DAYTONA STATE COLLEGE
SCIENTIA POTENTIA EST
FOUNDED 1957

College Catalog
2012-2013

2012 – 2013 Daytona State College Catalog Index

2012 – 2013 Daytona State College Catalog Index

Message from the President

Welcome to Daytona State College! You've made a smart choice. Whether choosing to work toward a college degree, develop a marketable skill, or take a class purely for personal enrichment, be confident that Daytona State's faculty and staff are ready to help you succeed. Daytona State offers one, two and four-year degree and certificate programs, as well as a wide range of non-credit courses and other learning opportunities. Through our ever increasing selection of online program and course offerings, a quality Daytona State College learning experience is conveniently available wherever you are - at home, on the road, or in the classroom. We are dedicated to being the institution of choice for higher education in our region. We continuously review our program offerings to make sure our students are provided the most up-to-date course content. We also focus on the future for opportunities to expand our program and degree offerings, to provide more choices for academic and skills training, and to ensure access to all who desire to improve their lives through higher education.

As you explore Daytona State College through this online catalog, I hope you find the information that will provide a starting point for you. Explore your possibilities. Visit a campus near you or give us a call. We are committed to you and are ready to help.

Dr. Carol Eaton, President
Daytona State College

Board of Trustees

Accreditation and Equity Statement

Accreditation Statement

Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and baccalaureate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Daytona State College.

Equity Statement

Daytona State College prohibits discrimination and provides equal access, equal educational opportunity and equal employment opportunity to all persons regardless of age, ancestry, belief, color, disability, ethnicity, genetic information, gender, marital status, national origin, political affiliation, race, religion, sex, and veteran status. Our pledge covers recruitment, admission, registration, financial help, counseling, advising, course offerings, extracurricular programs, facilities, health services, athletics, employment and its privileges and benefits. To obtain more information about the college's equal access and equal opportunity policies, procedures and practices, please telephone Lonnie Thompson, Director of Equity & Inclusion, at (386) 506-3973, or write to him at: 1200 W. International Speedway Blvd. Daytona Beach, FL 32114.

Lonnie Thompson
Director of Equity & Inclusion
Wetherell Center, Bldg 100, Room 316
(386) 506-3973

Sexual Assault and Misconduct

Instances of sexual misconduct occurring on college property or at college-related functions which involved the violation of any state statute or any federal or civil law will be reported to the appropriate law enforcement agency for investigation and prosecution. Campus Safety personnel will report such incidents and cooperate fully with law enforcement agencies. The college will not shelter faculty, staff or students from the state of Florida's sexual misconduct laws. (Legal Authority: F.S. 228-2001; 240.319, SBE 6A-19.08; 19.09: 6A-14.0247)

Sexual Harassment

Sexual harassment is conduct of a sexual nature or with sexual implications which interferes with a student's status or performance by creating an intimidating, hostile or offensive educational or working environment. This conduct may include, but is not limited to: inappropriate and unwanted touching; the display of sexually explicit or suggestive materials; use of sexually explicit or suggestive language or gestures; and subtle pressure for sexual activity, as well as demands for sexual favors, or physical assault. Complaints of sexual harassment by students should be promptly reported to a college official, the college equity & inclusion director, the senior
vice president of student development & institutional effectiveness or the dean of student development. Upon receipt of an alleged violation, an investigation will be conducted. The complaint may be resolved by intervention or corrective action taken by the college president, or by official disciplinary procedures. The complainant will be advised of the action taken by the college within 30 days of the complaint.

Advanced Technology College

Technology is changing the world. It's also changing education. Today many jobs require training in technology. That's why the Advanced Technology College (ATC) was created. The ATC provides local residents with advanced technological training that meets the current and future needs of industry in the area. How do we know? We asked! What businesses in Volusia and Flagler counties told us became the foundation for the programs being offered at the ATC.

What does this mean for you? It means that your training is driven by the real needs of local employers - in other words, you're getting the skills that get jobs now! When you graduate, you'll be prepared for a job where applicants are in high demand.

The ATC is located on Williamson Boulevard near LPGA Boulevard in Daytona Beach. The facility includes occupational classrooms and lab areas with brand new, state-of-the-art equipment, smart classrooms designed for each specific program. The newly constructed building also includes, wireless access throughout the building along with Internet access and network connections in all classrooms, science labs, a multi-purpose room, a media center and open computer labs. The two-story classroom area surrounds an enclosed atrium that is the site of exhibits and gatherings. The ATC is designed to serve a wide variety of students. College students who seek additional technological training or degrees should apply as well as high school juniors and seniors in Volusia and Flagler counties.

The ATC is a public/private partnership. Daytona State College, the Volusia County School System and the Flagler County School System represent the public side of the project and are joined by the ATC Board of Directors, which is composed of business and community leaders who represent the private side of the project. The ATC is a member of the Volusia Flagler Career Connection Consortium and is supported by the business communities of Volusia and Flagler counties.

Programs Offered at the ATC:

Engineering Technology Programs
Engineering Technology (BSET)
Engineering Technology - Electrical Engineering Technology Concentration (BSEET)
Engineering Technology - Information Systems Technology Concentration (BSIST)

Computer Science Programs
Cable Installation
Computer Information Technology
Computer Engineering Technology
Computer Engineering Technology Cisco (CCNA)
Computer Programming and Analysis
Computer Programming (Software Engineering Technology)
Computer Programming
Computer Specialist
Drafting and Design Technology
Electronics Engineering Technology
Information Technology Administration
Information Technology Analysis
Information Technology Management
Information Technology Support Specialist
Interior Design Technology
Information Technology Technician
Internet Services Technology
Microcomputer Repairer/Installer
Network Communications (LAN)
Network Communications (WAN)
Networking Services Technology
Network System Developer
Simulation and Robotics Technology
Web Development Specialist
Wireless Communications

Automotive Programs
Automotive Collision Repair & Refinishing
Automotive Service Technology

Advanced Automotive Technology (Performance Engine Specialization)

Construction, Manufacturing & Engineering Programs
Air Conditioning, Refrigeration and Heating Mechanic and Technology
Architectural and Building Design Technology
AutoCAD Foundations (Architectural)
AutoCAD Foundations (Engineering)
Drafting & Design Technology
Interior Design Technology
Kitchen and Bath Specialization
Machining

Apprenticeships
Electrical Non-Union
Electrical Union

Some programs will be held at the ATC as well as other Daytona State College campuses.
Location:
Advanced Technology College
1770 Technology Blvd.
Daytona Beach, FL 32117
(386) 506-4100

Alumni Affairs

Daytona State College Alumni and Friends is working toward developing and strengthening relationships between alumni, our students and our community.   To put it simply, our goal is to allow you to re-connect with your former classmates, teachers, mentors, professors – so that you can stay in touch, share ideas and take advantage of networking opportunities. The Daytona State College Foundation supports and houses the College's Alumni and Friends to keep alumni connected to Daytona State College.

Being part of Alumni & Friends demonstrates to current students of Daytona State College what it means to be a successful College graduate. We are developing our online community and look forward to seeing you in our virtual world.

Thank you for your support of Daytona State College and please continue to check our web site of www.daytonastate.edu/foundation for any new information and events throughout the year. For more information, you can also contact our office at 386-506-3441 or e-mail alumni@daytonastate.edu.

Crime Statistics

The Daytona State College Annual Security Report contains statistics for the previous three years concerning reported crimes that occurred on-campus; in certain off-campus buildings or property owned or controlled by Daytona State; and on public property within, or immediately adjacent to and accessible from, the campus.

The report also includes institutional policies concerning campus security, such as policies concerning sexual assault, and other matters. You can obtain a copy of this report by contacting the Campus Safety office on any campus or by accessing the following web site: http://www.daytonastate.edu/campus safety/

Daytona State College Foundation

The Daytona State College Foundation is a not-for-profit, Internal Revenue Code 501(c)(3) corporation chartered under Florida Statutes to serve as a direct support organization of the College. It was formed in 1974 and remains exclusively to benefit the educational endeavors of the College. Since its inception, the Foundation has provided financial assistance to students as well as funding for critical needs that are beyond the scope of the College's budget.

The Foundation embraces the concept of the College mission as adopted by the District Board of Trustees. Management of Foundation affairs is vested with a self-perpetuating Board of Directors from the community that the College serves. Directors receive no compensation for their services.

For additional information, please visit the Foundation Web site at donate.daytonastate.edu/ or call us at (386) 506-3195.

History of Daytona State College

Over the past 50-plus years, Daytona State College has evolved from a small campus into an academically superior multi-campus institution providing educational and cultural programs for the citizens of Volusia and Flagler counties. It began in 1957 when the Florida Legislature authorized Daytona Beach Junior College as one of the state's first comprehensive colleges. The college was divided into three divisions: college credit, adult education and the Mary Karl Vocational School. Although the three divisions were administered by one president, they essentially functioned as separate entities under the Volusia County School System.

Volusia County Community College, also a separate entity under the school system, merged with DBJC in 1965. The 1968 Legislature combined the divisions into a single administrative unit under a District Board of Trustees independent of the county school system. In 1971, the official name of the college was changed from Daytona Beach Junior College to Daytona Beach Community College. In 2008, the District Board of Trustees and the state of Florida approved the college's request for yet another name change - Daytona State College. This was done to reflect the institution's transition to a four-year institution offering workforce baccalaureate degrees.

Daytona State's status as a four-year college began in 2006, when it offered its first bachelor's degree - the Bachelor of Applied Science in Supervision and Management. In spring 2009, the college began offering Bachelor of Science in Education degrees and, in fall 2010, the Bachelor of Science in Engineering Technology. Additional baccalaureate level programs and articulation agreements are being planned for future implementation to support the region's economic development and workforce needs.

Over the years, the college has fostered a tradition of excellence in academics and service to a growing community. A leader in the area's workforce and economic development initiatives, Daytona State is continually developing new means to deliver educational services to the community. The college now serves more than 35,000 students annually.

Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and baccalaureate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Daytona State College.

Mission Statement

Vision

Daytona State College will be the destination of choice for education.

Mission

Daytona State College, a comprehensive public college, provides access to a range of flexible programs from community enrichment to the baccalaureate degree, emphasizing student success, embracing excellence and diversity, as well as fostering innovation to enhance teaching and learning.

Values

Community - The Daytona State College community encompasses our students, faculty, staff and the public we serve. Our community is built upon mutual respect, effective and open communication, and civic responsibility.
Integrity - Daytona State strives for the highest ethical standards in all areas of operation, including the fair and consistent treatment of all members of the Daytona State community. The college fully supports academic freedom and the right of intellectual pursuit.
Excellence - To achieve academic excellence, professionalism, and quality in all the programs and services we offer, Daytona State employs a system of continuous improvement based on assessment, accountability and engagement with the entire community.
Diversity - Diversity of people, thought and expression provides energy and vitality for the learning process. Daytona State celebrates both the originality and distinction of individuals and cultures, while at the same time valuing the common bonds that unite us as a global community.
Innovation - Innovation and creativity are the keys to our growth as an institution, as well as the growth and success of our students. Daytona State prides itself on its ability to adapt to a rapidly changing world, finding positive and creative solutions to the challenges it faces.
Student Success - There is no value more important than the success of our students. Our main goal is to provide students with the skills, knowledge and drive to succeed in the classroom, the workplace and in life. Beyond this success, we hope to instill in our students a lifelong love of learning.

Strategic Priorities

To fulfill its vision, carry out its mission, and live its values, Daytona State College pursues the following strategic priorities:

Provide Access

Implement best practices and resources for superior customer relationship management that will increase the quality, efficiency and accessibility of student services on all campuses.

Emphasize Student Success

Foster a sense of community and connection among students, faculty, and staff.

Embrace Excellence

Explore emerging technologies and adopt those that enhance teaching and learning, promote access, and foster student success.

Embrace Diversity

Provide faculty and staff with education, training and leadership development to increase awareness, understanding and effectiveness in meeting the needs of a diverse student population. Increase opportunities for students to gain an appreciation of diversity by learning about and experiencing different cultures.

Foster Innovation

Develop virtual resources that provide students access to all services and programs through an online environment.

Enhance Teaching and Learning

Enhance the quality of academic instruction through a continued focus on student learning outcomes assessment.
Identify baccalaureate level educational needs of the region and offer programs to address those needs.
Maximize the utility and function of land, facilities, information technology, and instructional systems to provide a positive and safe environment for effective learning at all College campuses.

Community Connections

Offer activities and programs that meet the needs of the community for cultural enrichment, community engagement and lifelong learning.
Take a leadership role in economic development and provide education and training that strengthens the region's economy and workforce competitiveness.

University of Central Florida

Serving Volusia and Flagler counties, UCF Daytona Beach is a state-supported, upper-level campus enrolling junior, senior and graduate students. UCF opened a local facility in 1968 specifically to serve students in East Central Florida who earn associate degrees from Daytona State and transfer students who complete two years (60 semester hours) at other approved public or private colleges and universities.

UCF is a member of the State University System and fully accredited by the Southern Association of Colleges and Schools. In addition to regional accreditation agencies, a number of scientific, academic and professional bodies confer special accreditation to various UCF programs. UCF serves more than 46,000 students throughout Central Florida.

UCF Daytona Beach partners with Daytona State in support of Florida's 2+2 program. With 2+2, you can complete an associate degree at Daytona State, then continue at UCF Daytona Beach for the completion of your bachelor's degree. Whether you are a first-year student or a student ready to enter your junior year, the partnership between Daytona State and UCF makes accredited public education accessible.

Programs at UCF Daytona Beach

UCF offers a variety of program offerings at the Daytona Beach Campus. Students can complete the following undergraduate degrees, undergraduate minors and graduate degrees at UCF Daytona Beach.

Undergraduate

Applied Science
Business Administration
Criminal Justice
Early Childhood Education
Health Services Administration
Interpersonal/Organizational Communication
Elementary Education
Interdisciplinary Studies
Legal Studies
Nursing
Photography
Political Science
Psychology
Social Sciences
Sociology
Technical Education and Industry Training

Minors

Anthropology in Multicultural Studies
Business
Criminal Justice
English Writing
Early Childhood Development and Education
Exception Education
Health Services Administration
History
Interpersonal/Organizational Communication
Legal Studies

Mass Communication
Political Science
Psychology
Sociology

Graduate

Career and Technical Education
Clinical Psychology
Criminal Justice
Health Sciences: Health Services Administration
Social Work

Spring 2012

Spring Semesters 2012	Spring - PM (2 week) Term	Spring - PS (15 week) Term	Spring A - PA (7 week) Term	Spring B - PB (7 week) term	Adult Education Classes
Advance Registration for Spring 2012 (currently enrolled students based on priority)	Nov 7	Nov 7	Nov 7	Nov 7	Nov 7
Open Registration for Spring 2012	Nov 10	Nov 10	Nov 10	Nov 10	Nov 10
Spring Planning	na	Jan 4-6	Jan 4-6	Jan 4-6	Jan 4-6
Martin Luther King Holiday	na	Jan 16	Jan 16	Jan 16	Jan 16
Spring Classes Begin	Jan 3	Jan 17	Jan 17	Mar 19	Jan 9
Last day to submit proof of FL residency	Jan 3	Jan 17	Jan 17	Mar 19	Jan 9
State Employee Registration	Jan 3	Jan 17-23	Jan 17-19	Mar 19-21	na
Last Day to Adjust Schedules/Last Day to Audit a Course /Refund Period Ends	Jan 3	Jan 23	Jan 19	Mar 21	na
Last Day to Change "I" Grade awarded in Fall Semester	na	Mar 2	Mar 2	Mar 2	na
Spring Break	na	Mar 12-16	Mar 12-16	na	Mar 12-16
Priority Deadline for Graduation Applications	na	Mar 23	Mar 23	Mar 23	na
Last Day to Withdraw from classes with no grade penalty	na	Apr 6	Feb 22	Apr 23	na
Advance Registration for Summer 2012/Fall 2012 (currently enrolled students based on priority)	na	Apr 2	Apr 2	Apr 2	na
Awards Convocation	na	Apr 11	Apr 11	Apr 11	na
Spring Classes End	Jan 13	May 11	Mar 9	May 11	May 11
Last Faculty Duty Day	Jan 13	May 11	Mar 9	May 11	May 11
Grades Due*	Jan 14	**	Mar 10	May 12	May 14
Commencement	May 14/15	May 14/15	May 14/15	May 14/15	May 14/15
Diplomas Mailed to Graduates	May 29	May 29	May 29	May 29	na
** Grades due by noon 48 hours after final exam (24 hrs for A/B terms)					

Summer 2012

Summer Semesters 2012	6 Week (A)	10 Week	6 Week (B)	Adult Education Classes
Advance Registration for Summer 2012/Fall 2012 (currently enrolled students based on priority)	Apr 2	Apr 2	Apr 2	N/A
Open Registration for Summer 2012	Apr 5	Apr 5	Apr 5	N/A
First Faculty Duty Day	May 21	May 21	Jul 2	May 16
Last day to submit proof of FL residency	May 21	May 21	Jul 2	May 16
Classes Begin	May 21	May 21	Jul 2	May 16
Last Day to Adjust schedules/Last Day to Audit/ Refund Period Ends	May 23	May 23	Jul 5	N/A
State Employee Registration	May 21-23	May 21-23	July 2-5	N/A
Memorial Day - COLLEGE IS CLOSED	May 28	May 28	na	May 28
Last Day to Withdraw 6 wkclasses starting 5/21	Jun 15	na	na	na
Last Day to Withdraw 10 wk classes starting 5/21	na	Jul 6		na
Last Day to Withdraw 6 wkclasses starting 7/2	na	na	Jul 27	na
Priority Deadline for Graduation Applications	Jul 2	Jul 2	Jul 2	Jul 2
Independence Day - COLLEGE IS CLOSED	na	Jul 4	Jul 4	Jul 4
Classes End	Jun 29	Jul 31	Aug 10	Aug 10
Last Faculty Duty Day	Jun 29	Jul 31	Aug 10	Aug 10
Grades Due*	Jun 30	Aug 1	Aug 11	Aug 11
Diplomas Mailed to Graduates	Aug 27	Aug 27	Aug 27	na

Fall 2012

Fall Semester 2012	Fall FF (16 week) Term	Fall FS (15 week) Term	Fall A - FA (7 week) term	Fall B - FB (7 week) Term	Adult Education Classes
Advance Registration for Summer 2012/Fall 2012 (currently enrolled students based on priority)	Apr 2	Apr 2	Apr 2	Apr 2	na
Fall Planning (Faculty Professional Development)	Aug 15-17	Aug 15-17	Aug 15-17	Aug 15-17	Aug 15-17
Last day to submit proof of Florida Residency	Aug 20	Aug 20	Aug 20	Oct 22	Aug 20
Fall Classes Begin	Aug 20	Aug 27	Aug 27	Oct 22	Aug 20
State Employee Registration	Aug 20-24	Aug 27-31	Aug 27- Aug 31	Oct 22-24	na
Last Day to Adjust Schedules/Last Day to Audit a Course/Refund Period Ends (Day Classes)	Aug 24	Aug 31	Aug 29	Oct 24	na
Labor Day Holiday	Sept 3	Sept 3	Sept 3	Sept 3	na
Last Day to Change "I" Grade awarded in Preceding Spring, Summer A, Summer B	Oct 19	Oct 19	Oct 19	Oct 19	na
Advising Week	Oct 10-Nov 2	Oct 10-Nov 2	Oct 10-Nov 2	Oct 10-Nov 2	na
Last Day to Apply and Pay Fees for Graduation	Nov 2	Nov 2	Nov 2	Nov 2	na
Advance Registration for Spring 2012 (currently enrolled students based on priority)	Nov 5	Nov 5	Nov 5	Nov 5	Nov 5
Open Registration for Spring	Nov 8	Nov 8	Nov 8	Nov 8	na
Last Day to Withdraw from classes with no grade penalty	Nov 9	Nov 2	Oct 3	Nov 26	na
Thanksgiving Holidays (Begins 5 p.m. Wed. 11/21)	Nov 22-24	Nov 22-24	Nov 22-24	Nov 22-24	Nov 22-24
Fall Classes End	Dec 14	Dec 14	Oct 18	Dec 14	Dec 14
Last Faculty Duty Day	Dec 14	Dec 14	Oct 18	Dec 14	Dec 14
Grades Due*	**	**	Oct 19	Dec 15	Dec 15
Holidays	Dec 17- Jan 1	Dec 17- Jan 1	Dec 17- Jan 1	Dec 17- Jan 1	Dec 17- Jan 1
Diplomas Mailed to Graduates	Jan 7	Jan 7	Jan 7	Jan 7	Jan 7
** Grades due by noon 48 hours after final exam (24 hrs for A/B terms)					

Spring 2013

Spring Semesters 2013	Spring - PS (15 week) Term	Spring A - PA (7 week) Term	Spring B - PB (7 week) term	Adult Education Classes
Advance Registration for Spring 2013 (currently enrolled students based on priority)	Nov 5	Nov 5	Nov 5	Nov 5
College Open	Jan 2	Jan 2	Jan 2	Jan 2
Mini-Term Begins	Jan 2	Jan 2	Jan 2	na
Spring Planning	Jan 7-9	Jan 7-9	Jan 7-9	Jan 7-9
Mini-Term Ends	Jan 11	Jan 11	Jan 11	na
Spring Classes Begin	Jan 14	Jan 14	Mar 18	Jan 14
Martin Luther King Holiday	Jan 21	Jan 21	Jan 21	Jan 21
Last day to submit proof of FL residency	Jan 14	Jan 14	Mar 18	Jan 14
State Employee Registration	Jan 14-18	Jan 14-18	Mar 18-20	na
Last Day to Adjust Schedules/Last Day to Audit a Course /Refund Period Ends	Jan 18	Jan 16	Mar 20	na
Last Day to Change "I" Grade awarded in Fall Semester	Mar 1	Mar 1	Mar 1	na
Spring Break	Mar 11-17	Mar 11-17	Mar 11-17	Mar 11-17
Last Day to Apply and Pay Fees for Graduation	Mar 22	Mar 22	Mar 22	Mar 22
Last Day to Withdraw from Classes	Mar 29	Feb 19	Apr 12	na
Advance Registration for Summer 2013/Fall 2013 (currently enrolled students based on priority)	Apr 1	Apr 1	Apr 1	Apr 1
Registration for Summer 2013/Fall 2013 (open)	Apr 4	Apr 4	Apr 4	na
Awards Convocation	Apr 10	Apr 10	Apr 10	na
Spring Classes End	May 10	Mar 8	May 10	May 10
Last Faculty Duty Day	May 10	Mar 8	May 10	May 10
Grades Due*	**	Mar 9	May 13	May-10
Commencement	May 13	May 13	May 13	May 13
Diplomas Mailed to Graduates	May 28	May 28	May 28	na
** Grades due by noon 48 hours after final exam (24 hrs for A/B terms)				

Summer 2013

Summer Semesters 2013	6 Week (A)	10 Week	6 Week (B)	Adult Education Classes
Advance Registration for Summer 2013/Fall 2013 (currently enrolled students based on priority)	Apr 1	2-Apr	2-Apr	N/A
First Faculty Duty Day	May 20	May 20	Jul 1	May 20
Last day to submit proof of FL residency	May 20	May 20	Jul 1	May 20
Classes Begin	May 20	May 20	Jul 1	May 20
Last Day to Adjust schedules/Last Day to Audit/ Refund Period Ends	May 22	May 22	Jul 3	N/A
State Employee Registration	May 20-22	May 20-22	July 1-3	N/A
Memorial Day	May 27	May 27	May 27	May 27
Last Day to Withdraw from Summer A Classes	Jun 14	na	na	na
Last Day to Withdraw from Summer 10 wk classes	na	Jun 28	na	na
Last Day to Withdraw from Summer B Classes	na	na	Jul 26	na
Independence Day	Jul 4	Jul 4	Jul 4	Jul 4
Last Day to Apply and Pay Fees for August Graduation	Jul 5	Jul 5	Jul 5	Jul 5
Classes End	Jun 28	Jul 26	Aug 9	Aug 9
Last Faculty Duty Day	Jun 28	Jul 26	Aug 9	Aug 9
Grades Due*	Jun 29	Jul 27	Aug 10	Aug 9
Diplomas Mailed to Graduates	Aug 26	Aug 26	Aug 26	Aug 26
* Grades due by noon 48 hours after final exam (24 hrs for 6 week terms)				

Adult Education

Daytona State College provides several options for students who need to earn a high school diploma, improve their basic skills or prepare for college. Students must be 16 years of age or older and not currently enrolled in a public school system. The courses are offered during the day, afternoon and evening on campus and at various locations throughout the county. Online courses are also available in some program areas for students who meet specified criteria. For more information regarding any of the programs call (386) 506-3059 or (386) 506-4471.

1. Adult Basic Education (ABE) classes are designed to prepare students for the academic requirements of the Adult High School, GED preparation classes and select vocational certificate programs.

2. English for Speakers of Other Languages (ESOL) classes are designed to prepare non-native English speakers to gain employment, increase work-related skills to obtain a better job, and prepare students to continue their education in degree or certificate programs. The program is designed to develop all components of language – speaking, listening comprehension, reading, writing, grammar, and pronunciation – in content.

3. General Educational Development (GED) classes are offered to prepare students for the GED examination. Students are responsible for the purchase of textbooks for this program. For specific test information, please see Assessment Services.

4. Daytona State Adult High School provides students the opportunity to earn a standard high school diploma. To obtain a standard adult high school credit diploma, a student must earn the required 24 credits, successfully complete all state required exit assessments (Florida Comprehensive Assessment Test or a recognized concordant score as specified in F.S. 1008.24 (10), and/or End of Course Assessments), and have a grade point average (GPA) in accordance with State of Florida guidelines. All Florida State Standards are required for high school completion. Students are responsible for the purchase of textbooks for this program.

5. Applied Academics for Adult Education prepares students to meet the academic requirements for vocational programs.

6. Citizenship courses prepare students for the U.S. Naturalization test and are offered at limited times and locations throughout Volusia County.

7. Adult Tutoring Services are provided in partnership with the Volusia Literacy Council, Inc. Trained tutors work with adults on an individual and/or group basis to improve literacy skills.

8. Adults with Disabilities Program classes provide academic, employment and social skill development to adults with documented disabilities. Locations include the ARC, Conklin Center and United Cerebral Palsy of East Central Florida

Apprenticeship Programs

Apprenticeship programs allow participants to learn while they earn. Motivated individuals have the opportunity to learn a trade as they work full-time under the supervision of skilled professionals of the trade. Apprentices attend related classroom training. Each apprentice receives a prescribed period of on-the-job training to learn applied skills while taking related academic classes. Apprenticeship programs vary in length depending on program of interest.

Daytona State provides instruction under the direction of industry apprenticeship committees which sponsor the programs. Students, who complete a program successfully, are awarded certificates. These programs are registered with the Apprenticeship Office of Workforce Education, Florida Department of Education.

Daytona State currently is associated with the Volusia County Child Care Apprenticeship Committee, GNJ; Mid-Florida Electrical Non-union Apprenticeship Committee, GNJ; Don Morgan Electrical Union Apprenticeship Academy/Committee, JATC.

Associate of Arts Transfer Degree Program

Daytona State College's Associate of Arts degree transfer program is as easy as 2+2. Two years at Daytona State followed by two years in Daytona State's Bachelor of Applied Science degree, Bachelor of Science in Education degree, or Bachelor of Science in Engineering Technology programs, or two years at a college or university that is part of our University Center or located elsewhere. You spend your first two years at Daytona State, taking the same courses you would take if you were a freshman or sophomore at a four-year institution. That means you plan your program of study around the major or career you want to pursue and the four-year institution you plan to attend. You graduate with your AA degree from Daytona State, transfer to the four-year program and earn your bachelor's degree.

Daytona State students perform better in the same courses as four-year college or university freshmen and sophomores. They have been doing so consistently for years. More than 90 percent of our AA degree graduates transfer to state four-year institutions. Our graduates usually earn better grades than their friends who started at the four-year schools.

Our courses are designed to meet standard four-year institution requirements; however, you should know the requirements of the four-year college or university you plan to attend. Different majors require a specific course of study during the first two years of college.

Colleges and universities periodically change their requirements for a major. Information about majors and the Florida colleges and universities that offer them are available in the Career Planning Center.

Associate of Science Degree Programs

Associate of Science Degree Programs The two-year AS degree programs prepare students for careers which require specialized college-level training. The programs are tailored for immediate entry into business, health, human services, engineering technology, nursing, computer science, technical and public services careers.

Bachelor's Degrees

Daytona State College offers seven (7) baccalaureate degree programs. The Bachelor of Applied Science (BAS) in Supervision and Management program, the Bachelor of Science in Engineering Technology, and five (5) Bachelor of Science in Education programs. These programs are an excellent option for students looking to remain in our local communities and earn an affordable bachelor's degree. *Please see the Excess Hours Advisory Statement below from the Division of Florida Colleges.*

Bachelor of Science in Education Programs

The Bachelor of Science in Education degree programs includes Elementary Education, Exceptional Student Education (ESE), Secondary Math Education, Secondary Biology Education and Secondary Earth/Space Science Education. The Elementary Education and Exceptional Education graduates also receive a full Reading and ESOL Endorsement.

The courses are designed in a half and half model with nearly all courses being offered in a seven-week mode and requiring a minimum of 15 hours of field experience in a public Volusia or Flagler County school. The senior internship is a full semester (16 weeks) and is the pre-service teacher's culminating learning experience. Click on the link to the BS in Education to the left to learn more about becoming a teacher and how to get started.

Bachelor of Applied Science in Supervision and Management Program

The BAS degree program is designed to provide the associate degree student with the management tools and skills to help move them to the next level in their career.

The BAS courses are offered in many formats to meet the needs of our students. Students can take our classes online, face-to-face or, half and half. To meet the needs of the working professional, classes are available in evenings and on weekends. Click on the link to the left to learn more about the BAS program and how to get started.

Bachelor of Science in Engineering Technology

The Bachelor of Science in Engineering Technology prepares individuals who already have skills in specific technical areas for supervisory and management roles and positions for the professional focuses primarily on analyzing, applying, implementing and improving existing technologies and is aimed at preparing graduates for the practice of engineering closest to the product improvement, manufacturing, and engineering operational functions.

Excess Hours Advisory Statement

This Division of Florida Colleges advisory statement for incoming students is intended to ensure that all students within The Florida College System understand the importance and potential consequences of their course selections.

Section 1009.286, Florida Statutes, establishes an "excess hour" surcharge for a student seeking a baccalaureate degree at the state university. It is critical that students,including those entering Florida colleges, are aware of the potential for additional course fees."Excess hours" are defined as hours that go beyond 115% of the hours required for a baccalaureate degree program. For example, it the length of the program is 120 credit hours, the student may be subject to an excess hour surcharge for any credits attempted beyond 138 credit hours (115 X 120%).

All students whose educational plan may include earning a bachelor's degree should make every effort to enroll in and successfully complete those courses that are required for their intended major on their first attempt. Florida college students intending to transfer for a state university should identify a major or "transfer program" early and be advised of admission requirements for that program, including the approved common prerequisites. Course withdrawals and/or repeats, as well as enrollment in courses nonessential to the intended major, may contribute to a potential excess hours surcharge.

College Preparatory Program

The College Preparatory Program at Daytona State helps students develop the skills essential for academic success. The curriculum emphasizes reading, communicating and learning through writing, basic mathematical concepts and effective life and study skills. The College Preparatory Program consists of non-college credit courses in reading, writing and mathematics and two college credit courses, Intermediate Algebra and Dynamics of Student Success, both of which can be used toward the A.A. degree. Students who place into REA0007/0007L or REA0017/0017L are required to take Dynamics of Student Success, SLS1122, during their first semester at Daytona State.

For students, whose first language is not English, Daytona State offers college preparatory courses through its ESOL program in the Department of Adult Education.

Occupational Certificate Programs

Daytona State's certificate programs prepare you for those jobs that require one year or less of training. Most certificate programs are offered for vocational credit. However, some college certificate programs provide credit toward AS degrees. College credit certificate programs are identified in the program guides listed in this catalog.

Bachelor of Science in Education Admission Requirements

Demonstrate proficiency of the College-Level Academic Skills (CLAS) set

Conferred Associate of Arts degree from a regionally accredited institution

Cumulative GPA of 2.5 in all higher education classes

Satisfactory completion of the General Knowledge (GK) Test portion of the Florida Teacher Certification Examination. Click here for more information or to register for the exam.

Volusia County Schools Volunteer clearance

Go to the Volusia County Schools Website

Click on "Volunteer and Partnership Programs" in the School Board box at the top of the page

In the left navigation bar, click on "Volunteers (VIPS)"

Under the Volunteers (VIPS) heading, click on the "Application to Volunteer"

Print the application and in the 3rd box, indicate "Daytona State College" as the College Name and "admissions@daytonastate.edu" as the Professor's Name

Submit the completed application to the address at the top of the page. Inaccurate or incomplete information may delay your results. For a list of disqualifying offenses view Florida Statute 1012.315.

Bachelor of Science in Education Program application

Grade of "C" or higher in the following pre-requisite classes:

Common Education Courses for all BSED Programs

EDF1005	3 sem. hrs.	AND
EDF2085 (formerly EDG2701)	3 sem. hrs.	AND
EME2040	3 sem. hrs.	
Secondary Mathematics Education		
MAC2311 with Lab	4 sem. hrs.	AND
MAC2312 with Lab	4 sem. hrs.	AND
MACXXXX	4 sem. hrs.	OR
MTGXXXX	4 sem. hrs.	OR
MASXXXX	4 sem. hrs.	
Secondary Biology Education		
MAC2311 with Lab	4 sem. hrs.	AND
BSC1010 with Lab	4 sem. hrs.	AND
BSC1011 with Lab	4 sem. hrs.	AND
CHM1045 with Lab	4 sem. hrs.	OR
PHY1053 with Lab	4 sem. hrs.	OR
PHY2048 with Lab	4 sem. hrs.	
Secondary Earth/Space Science Education		
MAC2311 with Lab	4 sem. hrs.	AND
GLY2010 with Lab	4 sem. hrs.	AND
OCE1001	3 sem. hrs.	AND
BSC1010 with Lab AND BSC1011 with Lab	8 sem. hrs.	OR
CHM1045 with Lab AND CHM1046 with Lab	8 sem. hrs.	OR
PHY2048 with Lab AND PHY2049 with Lab	8 sem. hrs.	

Additional Information:

Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355) in their first semester of enrollment.

Students who have not taken two years of the same foreign language in high school, will need to complete two semesters or 8 credit hours of the same foreign language at the college level to meet the state foreign language requirement to graduate.

Students must also complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Sciences - 6 hrs; Humanities, Cultural and Aesthetic - 3 hrs; Behavioral and Social Sciences - 3 hrs; Health and Wellness - 3 hrs; Political, Economic and Business - 3 hrs; Historical and Global - 3 hrs.

Information about the application process

BSED Completion Requirements

Complete all required courses in the program (60 hours) with a GPA of 2.5 or higher and a grade of "C" or higher in all courses
Complete a full fall or spring term/semester teaching senior internship at an approved K-12 public school in Flagler or Volusia County.
Pass all 3 of the FTCE (Florida Teacher Certification Exams):
      GKT (General Knowledge Test)
      PET (Professional Educators Test)
      and SAE (Subject Area Exam) aligned to the specific program
Demonstrate mastery of the FEAP/PEC (Florida Educators Accomplished Practices/Professional Education Competencies) within the Professional Portfolio in LiveText
Students must meet all other Daytona State College policies for graduation and deadlines

Educator Preparation Institute

The Educator Preparation Institute (EPI) is designed for people with a bachelor's degree (other than education) who are interested in becoming highly-qualified, certified teachers in Florida. The EPI is a program approved by the state of Florida that leads to a five year Professional Educator's Certificate.

Those who successfully complete the EPI courses, program requirements, and all portions of the Florida Teacher Certification Exam (FTCE) are eligible to receive a five-year Professional Educator's Certificate.

BSED Frequently Asked Questions

Can I attend either as a part-time or full-time student?
Yes. You can attend the BS in Education program as a part-time or full-time student.
Are online, half and half, or hybrid courses available?
The BS in Education program offers classes that are half and half. These Web-enhanced courses require 50 percent class time in a face-to-face traditional classroom setting and 50 percent of class time through the Internet.
Can I start working on my teaching degree before I finish my A.A. degree?
No, you must obtain an A.A. degree and successfully complete the entrance requirements before you can be admitted into the B.S. program.
Are classes offered during the day and evening?
Yes, classes are offered in the day and evening. However, not all of the classes are offered both day and evening.
Do I have to be proficient in technology in the B.S. program?
Many classes require internet knowledge as well as D2L, and LiveText skills, however, we offer training and help with computers and software.
Does the B.S. program satisfy Reading and ESOL endorsements?
Elementary Education and Exceptional Student Education majors will be fully endorsed in Reading and ESOL. Secondary Mathematics and Secondary Science majors will have completed ESOL infused course work in their content, which will qualify them to teach their content area with ESOL modifications and strategies to ESOL students. This is not a full ESOL endorsement, but it will satisfy the requirement that meets the Florida Consent Decree stipulations for content area teachers. Students in the college of education in Secondary Mathematics and Secondary Science Education majors will graduate with the first two reading endorsement competencies (Reading 1 and Reading 2).

BSED Program Overview

Degree Programs

Daytona State's bachelor of science degree programs in education will prepare you to design, and develop needed competencies for you to be successful in today's classrooms. While enrolled in our programs. you will spend many hours in college classrooms, in front of a computer, and in public K-12 schools in Volusia and Flagler counties.

Degree programs include:

BS in Elementary Education (K-6)/ESOL Endorsement/Reading Endorsement
BS in Exceptional Student Education (K-12)/ESOL Endorsement/Reading Endorsement
BS in Secondary Math Education (6-12)
BS in Secondary Biology Education (6-12)
BS in Secondary Earth/Space Science Education (6-12)

These are fully accredited, state-approved programs that fulfill the education courses, professional education competencies, and practical experience required to obtain a five-year Educator's Certificate in their respective disciplines. The programs include state endorsements in Reading and ESOL for students majoring in Elementary Education and Exceptional Student Education. Students in these programs are required to perform a field experience in public schools and complete one semester in a full-time student internship in a K-12 public school in Flagler or Volusia County.

For students majoring in Secondary Mathematics and Secondary Science:

ESOL - Secondary Mathematics and Secondary Science majors will have completed ESOL infused course work in their content, which will qualify them to teach their content area with ESOL modifications and strategies to ESOL students. This is not a full ESOL endorsement, but it will satisfy the requirement that meets the Florida Consent Decree stipulations for content area teachers.

Reading - Secondary Mathematics and Secondary Science Education majors will graduate with the first two reading endorsement competencies (Reading 1 and Reading 2).

BS in Engineering Technology

The Engineering Technology Program has three degree options; The Bachelors of Engineering Technology (BSET), the Bachelors of Science Engineering Technology concentration in Electrical Engineering Technology (BSET-EET), and the Bachelors of Science Engineering Technology concentration in Information Systems Technology (BSET-IST). Upper-level coursework in the Engineering Technology program broadens you knowledge in technical concepts and practices and prepares you for supervisory and management opportunities within your technical field.

For more information please visit The School of Engineering Technology Home Page.

Admission Requirements for the BAS Program

Applications are accepted year-round and students may start the program during any semester of the academic year. There is no application fee. Admission to the Bachelor of Applied Science (BAS) in Supervision and Management program is open to all applicants who meet the admission requirements.

Requirements for Admission to the BAS Program:

Applicants must complete a Bachelor of Applied Science Application for Admission. You may complete an application to the BAS degree program in the Admissions Office, the BAS program office, or online through http://www.daytonastate.edu/. All applicants must provide an official transcript from all previous institutions attended.

Applicants for the BAS program must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), or an Associate of Arts (AA) degree. AA graduates wishing to upgrade their career may be admitted to the program with the approval of the Chair of the BAS program. Those with AA degrees who have completed all core general education courses will be required to complete a total of 18 credits in an occupational/technical area (e.g., accounting technology, computer science, business, etc.). AS/AAS graduates must complete additional core general education courses. Associate degree applicants must have earned an overall grade point average of 2.0 in their associate degree program.

College or university transfer applicants must have at least 60 college credit hours. Applicants must have received a grade of "C" or better in all core general education courses that transfer into the BAS program. All applicants must provide an official transcript from all previous institutions attended.

Daytona State College welcomes transfer students from other regionally-accredited postsecondary institutions. Applicants should contact Bachelor of Applied Science program office (386-506-4227) for a review of their transcripts. This process will ensure that as many earned credit hours as possible will be applied toward their program of study at Daytona State College.

Official transcripts from all postsecondary institutions attended must be received for evaluation by the Records Office at Daytona State. International students must have their transcripts evaluated by a recognized international evaluator such as Josef Silny and Associates, Inc. or World Education Services.

All transferable applicants must have successfully completed the core general education courses that transfer into the BAS program, and must have earned an overall grade point average of 2.0 in the associate degree program courses. Students must complete at least 25 percent (30 credits) of their bachelor's degree courses at Daytona State.

Career Opportunities

Students graduating from Daytona State College's Bachelor of Applied Science in Supervision and Management program will be prepared to effectively lead and manage business operations within their technical field of interest. Specifically, the business community in Volusia and Flagler counties articulated the need for Daytona State College to produce individuals with bachelor's level supervisory and managerial skills to enhance the technical preparation provided by their associate degree programs. Earning your Daytona State College bachelor's degree will provide the access needed to advance your skills in the workplace for managerial career opportunities.

Completion Requirements for the BAS Program

Requirements for graduation from the Bachelor of Applied Science (BAS) program are:

Students must successfully complete 120 hours of college-level credit courses in the degree program, including the lower division associate degree, and the 42 hours of BAS in Supervision and Management coursework, which concludes with the Capstone course.

Students must successfully complete 36 hours of general education in the areas of communications core, mathematics core, sciences core, humanities, cultural and aesthetic core, behavioral and human (social) sciences core, health and wellness core, political, economic and business core, and historical and global core (according to the distribution or its equivalent, established by Daytona State College for its Associate of Arts degree program).

Students must maintain a cumulative GPA of at least a 2.0 on a 4.0 scale for all BAS in Supervision and Management courses, plus complete each BAS course with a grade of "C" or higher.

Students must have completed the Florida foreign language requirement prior to the completion of the bachelor's degree. The requirement may be met by taking two years of the same foreign language in high school or eight credits of the same foreign language in college.

Students must meet all other Daytona State graduation policies and deadlines.

BAS Course Descriptions

GEB 3213
Business Writing
3 sem. hrs.

This course emphasizes the basics of business writing while reviewing the various kinds of written business correspondence. Students are expected to integrate business decision making and analytical thinking skills into the content. Students must be able to determine solutions to problem-based exercises. PR: ENC 1101 or equivalent; junior level status or permission of the chair is required. (This course number was formerly GEB 3212). Business Writing is a prerequisite or co-requisite for BAS courses.

MAN 3353
Management Theory and Practices
3 sem. hrs.

This course examines management theory, relevant applications and cases, self-management, teamwork, global awareness, and communication for the development of management competencies. PR: Junior level status or permission of the chair is required.

MAN 3240
Organizational Behavior
3 sem. hrs.

This course is a study of individual and group behavior in organizations. Students will develop an understanding of how organizations can be managed more effectively. Course content includes motivation, group dynamics, conflict resolution, goal setting and rewards, job design, work stress, power/politics, and organizational change and development. PR: Junior level status or permission of the chair is required.

BUL 3130
Legal, Ethical, and Social Aspects of Business
3 sem. hrs.

This course explores the nature of legal, ethical, and societal environments of business. Emphasis is placed on business's social, legal, political, and ethical responsibilities to both external and internal groups in business. Topics include corporate social responsibility, legal, political and ethical aspects of business, state and federal laws, contracts, intellectual property, employment law, product liability, safety issues, and environmental regulation. PR: Junior level status or permission of the chair is required.

ACG 3024
Accounting for Non-financial Majors
3 sem. hrs.

This course addresses the use of accounting information by non-financial managers. Emphasis is placed on the interpretation of accounting information and the language of financial accounting to effectively participate in activities such as planning, investment, control, and managerial decision making. PR: MAC1105 or equivalent; junior level status or permission of the chair is required.

MAN 4162
Customer Relations for Managers
3 sem. hrs.

This course examines relationship building for all customers of an organization. The impact of culture and diversity on business relationships, successful negotiation strategies, and promotion of the organization through media relations are discussed. PR: Junior level status or permission of the chair is required.

MAN 4301
Human Resource Management
3 sem. hrs.

This course is a study of the functions of human resource management including recruitment, selection, benefits and compensation, performance evaluation, development of employees, and formulation of human resource procedures. The strategic role of human resources and current issues will be discussed. PR: Junior level status or permission of the chair is required.

ISM 4011
Introduction to Management Information Systems
4 sem. hrs.

This course provides an introduction to the use of information technology in the business environment. The language, concepts, structures and processes involved in the management of information systems will be discussed. The course will have an

applications component where software will be used to support managerial decision making. PR: ISM 2000 or CGS 2100 or equivalent. Senior level status or permission of the chair is required.

MAN 4120
Leadership Challenges and Supervision
3 sem. hrs.
Discussion and application of leadership theories include skill formation to develop leadership abilities. Team building skills are emphasized to enhance leadership effectiveness. Students learn the importance of visioning in their organizations. PR: Senior level status or permission of the chair is required.

GEB 4891
Strategic Management and Decision Making
4 sem. hrs.
This course emphasizes strategic planning and strategy implementation in an organization. Students learn how to perform internal and external audits, identify problems, formulate goals and objectives, develop action plans, and evaluate the effectiveness of the outcome of the plan. Case studies are used to promote decision-making abilities. PR: Senior level status or permission of the chair is required.

GEB 4930
Selected Topics in Management
3 sem. hrs.
Current topics, issues, and trends pertinent to supervisors and managers are discussed. PR: Senior level status or permission of the chair is required.

MAN 4504
Operational Decision Making
3 sem. hrs.
This course focuses on operational decision-making management techniques to improve the processes and productivity in organizations. Discussion of quality and outcomes, efficiency, forecasting, work-flow processes, inventory control, design of goods and services, waiting lines and critical path. Managing a project from beginning to end, including how to identify needs, and define, assign and track items, is addressed. PR: Senior level status or permission of the chair is required.

MAN 4900
Capstone Project in Supervision and Management
4 sem. hrs.
This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. PR: Senior level status or permission of the chair is required. To be taken during the last semester of the program.

BAS Frequently Asked Questions

What is the definition of a Bachelor of Applied Science degree?
The Bachelor of Applied Science (BAS) is the designated degree for flexible baccalaureate programs that are designed to accommodate the unique demands required for entry to and advancement in specific workforce sectors. BAS programs provide degree-completion opportunities for students from a variety of educational backgrounds, but primarily those with an associate degree or equivalent. BAS degree programs within the state of Florida conform to all articulation conventions (including common course prerequisites and common course numbering). BAS programs typically include capstone experiences that provide opportunities for students to demonstrate the application of acquired knowledge, skills and competencies.

What does the BAS program provide to associate degree graduates?
The BAS program builds on an occupational/technical program typically offered at community/state colleges. Associate degree programs traditionally consist of coursework specific to occupational or technical fields and may not transfer to conventional baccalaureate programs. However, general education course work (core courses) can be applied to the core requirements of many educational institutions. Associate degree graduates are invited to apply to the BAS program. Associate of Arts graduates who wish to upgrade their career also may apply. Additional coursework within an occupational/technical program of study (e.g., accounting technology, computer science, business, etc.) is required. This BAS degree allows for a seamless transition between the associate and bachelor's degrees.

What will the BAS degree provide for me in the workplace or on the job?
Many jobs today require a four-year degree; therefore, the bachelor's degree often can provide more employment opportunities and higher compensation for graduates. The BAS program concentrates on skills that are required to be an effective supervisor or manager. These skills include human resource management, leadership, organizational behavior, strategic management, customer relations and operational decision making.

Can I attend either as a part-time or full-time student?
Yes. To accommodate varying work schedules, BAS courses are offered online, during the evening and on weekends.

Are online and half and half courses available?
Yes. Please see the online schedule for available course offerings. Online courses require 100 percent of class time through the Internet. Half/Half Web-enhanced courses require 50 percent class time in a face-to-face traditional classroom setting and 50 percent of class time through the Internet. In addition, many of the BAS courses are offered in a six, seven, or eight-week format depending on the semester.

Will I need additional General Education courses?
All bachelor's degree programs at Florida public institutions require 36 hours of General Education credits. Students may need additional General Education courses to complete the 36 credit requirement, depending on their degree.

Will I be able to continue on to graduate school?
You can enter a master's degree program provided you meet the admission criteria of the program to which you apply.

How long will it take to complete the B.A.S. degree requirements?
Completion of this degree will depend upon your own timetable. Bachelor of Applied Science students need to complete a minimum of 42 semester hours of 3000-4000 Level courses and any remaining General Education, Foreign Language, required occupational/technical courses (depending on the type of associate's degree you have). Students must complete a total of 120 semester hours with a minimum of 30 semester hours taken at Daytona State College.

BAS Program of Study

Program of Study Code 6000

The Bachelor of Applied Science (BAS) program uses a 2+2 model requiring the completion of an associate degree for entry into the program. The degree components are below.

BAS in Supervision and Management Degree Components

Associate Degree Program of Study Credit (see admission requirements)	42 Sem. Hrs.
General Education Core Requirements Credit	36 Sem. Hrs.
BAS Program of Study Credit	42 Sem. Hrs.
Total	**120 Sem. Hrs.**

Supervision and Management Courses

GEB3213	Business Writing	3 Sem. Hrs.
MAN3240	Organizational Behavior	3 Sem. Hrs.
MAN3353	Management Theory and Practices	3 Sem. Hrs.
BUL3130	Legal, Ethical, and Social Aspects of Business	3 Sem. Hrs.
ACG3024	Accounting for Non-Financial Majors	3 Sem. Hrs.
MAN4162	Customer Relations for Managers	3 Sem. Hrs.
MAN4301	Human Resource Management	3 Sem. Hrs.
ISM4011	Introduction to Management Information Systems	4 Sem. Hrs.
MAN4120	Leadership Challenges and Supervision	3 Sem. Hrs.
GEB4891	Strategic Management and Decision Making	4 Sem. Hrs.
GEB4930	Selected Topics in Management	3 Sem. Hrs.
MAN4504	Operational Decision Making	3 Sem. Hrs.
MAN4900	Capstone Project in Supervision and Management	4 Sem. Hrs.

Sample Course Sequence Plan

First Semester		Sem Hrs.	Prerequisites
GEB3213	Business Writing	3	ENC1101 or equivalent, Junior status or permission of the chair
MAN3240	Organizational Behavior	3	Junior status or permission of the chair
MAN3353	Management Theory and Practices	3	Junior status or permission of the chair
XXXXXX	General Education Core	3	
XXXXXX	General Education Core	3	
	Semester Credit Hours	15	
Second Semester			
BUL3130	Legal, Ethical, and Social Aspects of Business	3	Junior status or permission of the chair
ACG3024	Accounting for Non-Financial Majors	3	MAC1105 or equivalent, Junior status or permission of the chair
XXXXXX	General Education Core	3	
XXXXXX	General Education Core	3	
	Semester Credit Hours	12	
Third Semester			
MAN4162	Customer Relations for Managers	3	Junior status or permission of the chair
MAN4301	Human Resource Management	3	Junior status or permission of the chair

ISM4011	Introduction to Mgmt Information Systems	4	ISM2000, CGS2100, or equivalent; Senior status or permission of the chair.
XXXXXX	General Education Core	3	
XXXXXX	General Education Core	3	
	Semester Credit Hours	16	

Fourth Semester

MAN4120	Leadership Challenges and Supervision	3	Senior status or permission of the chair
GEB4891	Strategic Management & Decision Making	4	Senior status or permission of the chair
GEB4930	Selected Topics in Management	3	Senior status or permission of the chair
MAN4504	Operational Decision Making	3	Senior status or permission of the chair
	Semester Credit Hours	13	

Fifth Semester

MAN4900	Capstone Project in Supervision & Mgmt	4	Senior status or permission of the chair
	Semester Credit Hours	4	
	Total Semester Credit Hours	**60**	

XXX-XXXX General Education Core - The state-mandated 36 hours of general education (Communications-9 sch; Math-6 sch; Science-6 sch; Humanities-3 sch; Behavioral and Human (Social) Science-3 sch; Health & Wellness-3 sch; Political, Economic & Business-3 sch; Historical and Global-3 sch.)

Typically, students from AS or AAS degree programs transfer 15-18 credits of General Education Core. AA graduates will typically transfer the total 36 general education core requirements into the BAS program. AA graduates will also require 18 hours of lower division credit in an occupational/technical area, e.g., accounting technology, computer science, business, etc., in lieu of the additional general education required of the AS/AAS student.

Supervision and Management Courses

The upper-division supervision and management courses provide students with a general, but comprehensive understanding of business enterprises and a command of practical management skills. The curriculum builds from the practitioner viewpoint to a thorough understanding of all facets of enterprise management as the student progresses. Many local businesses and industries were involved in developing curricula for workforce education programs. The results of curriculum development panels, composed of experts from a wide variety of occupations and professions, consistently indicate that supervisory and management skills are necessary for an increasingly broad spectrum of occupations. Students will discover that the BAS in supervision and management courses are balanced with a theoretical foundation and a practical, applied methodology to allow students to meet learning outcomes.

General Education Mission Statement

General Education

General Education at Daytona State College constitutes the academic preparation for participation in a diverse society and is the basis for lifelong learning. It is a framework for the acquisition and use of broad bodies of knowledge with an emphasis on:

Critical/Creative Thinking
Communication
Cultural Literacy
Information and Technical Literacy

General Education requirements comprise an important part of the hours necessary for the Associate of Arts and Associate of Science degrees.

General Education Competency Components

Competency	Component
Critical/Creative Thinking	Students will use systematic and creative thinking skills to analyze and evaluate issues and arguments, to solve problems, and/or to make decisions.
Communication	Students will be able to read, write, and exchange information, ideas, and concepts effectively.
Cultural Literacy	Students will understand the impact of the variations among and within cultures.
Information and Technical Literacy	Students will use appropriate technology to locate, evaluate, and effectively process information.

Requirements for Associate of Arts Degree

Students are required to complete 60 hours of transferable college-level credit to receive an associate of arts (AA) degree. Florida State Board of Education Administrative Rule 6A-10.024 (3a) requires 36 semester hours of general education courses, excluding college prep courses. The remaining 24 credit hours are elective credits. Graduates must also meet the requirements of the Gordon Rule and a state-mandated foreign language requirement. Students also must meet the Daytona State College residency requirements and have a cumulative 2.0 GPA and a Daytona State 2.0 GPA. (See Graduation Requirements and Procedures.)

Foreign Language Requirements
Completion of two years of the same foreign language in high school or eight college semester credits of the same foreign language, or in American Sign at the level of ASL 2140 or above. Foreign and sign language courses satisfy elective credits toward the AA degree.

Gordon Rule
In accordance with Florida Department of Education Administrative Rule Number 6A-10.030, all students are mandated to complete satisfactorily 12 semester hours of courses which include written assignments demonstrating college-level writing skills and also complete satisfactorily a minimum of six (6) semester hours of mathematics. This rule applies to all students prior to receipt of an AA degree from a public community college or university, or prior to entry into upper division of a public university. For the purpose of this rule, a grade of "C" or better shall be considered successful completion.

Students who do not complete all of the Gordon Rule courses within the 60 credits must complete additional courses to fulfill AA degree requirements.

Courses that satify the Gordon Rule are part of the General Education Core and are denoted with an *****. **Gordon Rule Writing Courses** consist of any course denoted as a Gordon Rule course EXCEPT those in the Mathematics Core.

Each course used to satisfy this rule and all General Education Core courses must be completed with a grade of "C" or higher.

Prior to enrollment in college-level English or math courses, some students may be required to complete college preparatory course work.

General Education Core
The state-mandated 36 hours of general education are distributed in the following areas:

Communications (English)	9 (Credits)
Mathematics	6
Sciences (Biological & Physical)	6
Humanities, Cultural & Aesthetic	3
Behavioral & Social Sciences	3
Health & Wellness	3
Political, Economic & Business	3
Historical & Global	3
TOTAL GENERAL EDUCATION	**36 credits**

Elective Core
The remaining 24 credit hours are elective and must be selected from the list of College Transfer Elective Courses. However, it is recommended that students know the requirements of the senior university they plan to attend and that they work with their faculty advisor or an academic advisor to select electives to fulfill the prerequisites for their major.

TOTAL ELECTIVE CREDITS	**24 credits**
TOTAL CREDIT HOURS FOR THE AA DEGREE	**60 credits**

GENERAL EDUCATION CORE COURSE SELECTION LISTINGS
36 Total Hours Required
Credit hours for each class are listed in parentheses after the course title. Those courses marked with an * are Gordon Rule courses and require a grade of "C" or better.

All General Education Core courses require a grade of "C" or better.

COMMUNICATIONS CORE (English)

Nine credit hours required - College preparatory courses (which do not fulfill core requirements) may be required.
* ENC 1101 College Composition (3) (Required)
* ENC 1102 Literature and Composition (3) (Required)
SPC 2608 Oral Communications/Research/Presentation Skills (3) **OR**
* RTV 2300 Broadcast Research/Newswriting/Presentation Skills (3)

MATHEMATICS CORE
Six credit hours required - College preparatory or prerequisite courses which do not fulfill core requirements may be required.
* MAC 1105 College Algebra (3)
* MAC 1114 College Trigonometry (3)
* MAC 1140 Pre-Calculus Algebra (3)
* MAC 2233 Calculus for Business and Nonphysical Sciences I (3)
* MAC 2311/2311L Calculus I and Lab (4)
* MAC 2312/2312L Calculus II and Lab (4)
* MAC 2313/2313L Calculus III and Lab (4)
* MAP 2302/ 2302L Differential Equations and Lab (3)
* MGF 2106 College Mathematics (3)
* MGF 2107 Mathematics for Liberal Arts (3)
* STA 2023 Elementary Statistics (3)

SCIENCES CORE
Six credit hours required: three credits from biological sciences and three credits from physical sciences. ALL science courses require ENC 1101 as a prerequisite.

Biological Sciences
BOT 1010/1010L General Botany and Lab (4)
BSC 1005 Survey of Biological Science (For Non-Science Majors) (3)
BSC 1010/1010L General Biology I (For Science Majors) and Lab (4)
BSC 1020 Human Biology (3)
BSC 2930 Biological Themes in Film (3)
OCB 2000/2000L Introduction to Marine Biology and Lab (4)
or both
BSC 1085/1085L Human Anatomy & Physiology I and Lab (4)
and
BSC 1086/1086L Human Anatomy & Physiology II and Lab (4)
Students who choose the BSC 1085/1086 option to fulfill the biological science core requirements can use remaining credits to fulfill elective hours as appropriate. Both courses must be successfully completed to satisfy the biological sciences core requirements.

BSC 1010/1010L requires MAT 1033 or higher as a prerequisite.

Physical Sciences
All of the following courses require MAT 1033 or higher as a prerequisite or corequisite.
AST 1002 Astronomy (3)
CHM 1025/1025L Introduction to Chemistry (4)
CHM 1045/1045L General College Chemistry I and Lab (4)
GLY 2010/2010L Physical Geology and Lab (4)
MET 2010 Meteorology (3)
OCE 1001 Introduction to Oceanography (3)
PHY 1053/1053L General Physics I and Lab (4)
PHY 2048/2048L Physics with Calculus I and Lab (5)
PSC 1121 Physical Science (3)
Note: For those students selecting a four hour science course, three hours are applied to the general education core area and one is applied to the appropriate elective hour.

HUMANITIES, CULTURAL & AESTHETIC CORE
Three credit hours required - Choose one course. Must have at least a "C" in all courses.
The following courses require College Composition (ENC 1101) as a prerequisite.
* AML 2050 Modern American Literature (3)
* AML 2060 Contemporary American Literature (3)
* AML 2600 Introduction to African American Literature (3)
* ENL 2931 Selected Topics in Shakespeare (3)
* LIT 2040 Dramatic Literature (3)

* LIT 2110 Masterpieces of World Literature I (3)
* LIT 2120 Masterpieces of World Literature II (3)
* LIT 2380 Literature by Women (3)
* LIT 2602 Maritime Literature (3)
The following courses require College Composition (ENC 1101) as a prerequisite or corequisite.
* ARH 1000 Art Appreciation (3)
* DAN 1100 Dance Appreciation (3)
* HUM 2210 Prehistory to Medieval Humanities (3)
* HUM 2230 Renaissance to Postmodern Humanities (3)
* MUH 2110 Introduction to Music History and Literature (3)
* MUL 1010 Music Appreciation (3)
* MUL 2380 Popular Music in America (3)
* THE 1000 Dramatic Appreciation (3)

BEHAVIORAL & SOCIAL SCIENCES CORE
Three credit hours required - Choose one course. All courses require College Composition (ENC 1101) as prerequisite or corequisite. See course descriptions.
DEP 2004 Developmental Psychology (3)
PSY 1012 General Psychology (3)
* SYG 2000 Introduction to Sociology (3)

HEALTH & WELLNESS CORE
Three Credit hours required - Choose one course.
HLP 1081 Fitness Assessment and Improvement (3)
HSC 2400 First Aid, Responding to Emergencies (3)
HUN 1201 Human Nutrition (3)
HUN 1270 Sports Nutrition (3)
PET 2084 Personal Health and Wellness (3)
SLS 2505 Critical Thinking (3)

POLITICAL, ECONOMIC & BUSINESS CORE
Three credit hours required - Choose one course. All courses require College Composition (ENC 1101) as prerequisite or corequisite. See course descriptions.
* CPO 2001 Comparative Government (3)
* ECO 2013 Principles of Macro Economics (3)
* ECO 2023 Principles of Micro Economics (3)
* GEB 2430 Business Ethics (3)
INR 2002 International Relations (3)
* PLA 2880 Constitutional Law (3)
POS 2001 Introduction to Political Science (3)
POS 2041 American Federal Government (3)
POS 2112 State and Local Government (3)

HISTORICAL & GLOBAL CORE
Three credit hours required - Choose one course. All courses require College Composition (ENC 1101) as prerequisite or corequisite. See course descriptions.
* AMH 2010 United States History to 1877 (3)
* AMH 2020 United States History 1865 to Present (3)
* AMH 2042 American Social History 1860 to Present (3)
* AMH 2045 American Maritime History (3)
* AHM 2059 The Vietnam War (3)
AMH 2091 Survey of African American History (3)
* EUH 2000 History of Western Civilization to 1648 (3)
* EUH 2001 History of Western Civilization 1648 to Present (3)
GEO 2000 World Geography (3)
GEO 2420 Cultural Geography (3)
* PHI 2001 Introduction to Philosophy I (3)
* PHI 2600 Introduction to Ethics (3)
* REL 2300 World Religion (3)
* WOH 2012 World History Before 1500 (3)
* WOH 2022 World History After 1500 (3)

Associate of Arts - Transfer Advising Track Codes

0100 Undecided
7150 Liberal Arts

7200 Behavioral and Social Sciences - General
7210 Psychology
7211 Marriage and Family (Relational)
7212 Social Psychology
7213 Clinical/Counseling
7214 Developmental Psychology
7215 Sociology

7220 Education - Transfer, General
7221 Elementary Education
7222 Exceptional Education
7223 Secondary Math Education
7224 Secondary Biology Education
7227 Secondary Earth/Space Science Education

7300 Economics and Business - General
   Accounting
   Economics
   Finance
   General Business
   Management
   Marketing

7400 Communications - General
7405 Advertising/Public Relations
7410 English
7415 Foreign Languages
7420 Journalism
7425 Television/Radio Broadcasting

7500 Historical, Political and Global - General
7505 Geography
7510 History
7515 International Relations
7520 Political Science
7525 Pre-Law

7600 Humanities and Arts - General
7605 Performing Arts
   Acting/Theatre
   Dance
   Music
7610 Art
   Fine Arts
7615 Philosophy
7620 Photography
7625 Religion

7700 Mathematics and Technology - General
7705 Architecture (Pre-)
7710 Computer Science
7715 Digital Media
   Animation
7720 Engineering
7721 Engineering Technology
7725 Library and Information Science
7730 Math/Statistics

7800 Public Service - General

7805 Criminal Justice
  Criminology
7810 Legal Studies
7815 Social Work

7900 Science - General
7905 Agriculture
7910 Astronomy
7915 Athletic Training/Sports Medicine
7920 Biology
  Botany
  Microbiology
  Zoology
7921 Marine Biology
7922 Marine Science
7925 Chemistry
7930 Dietetics/Nutrition
7935 Environmental Science
7940 Forestry and Conservation
7945 Forensic Science
7950 Meteorology
7951 Ocean Engineering
7955 Pre-Bachelor of Science Nursing (BSN)
7960 Pharmacy (Pre-)
7965 Pre-Professional
  Chiropractic (Pre-)
  Dentist (Pre-)
  Medicine (Pre-)
  Physical Therapy (Pre-)
  Veterinarian (Pre-)
7970 Radiology (Pre-)
7971 Veterinary Technology (Distance Education)

Students should know the requirements of the senior university they plan to attend and work with their Daytona State College faculty advisor or an academic advisor to select electives to fulfill the prerequisites for their major. ***Please see the Excess Hours Advisory Statement below from the Division of Florida Colleges.***

BEHAVIORAL & SOCIAL SCIENCES

AFR 1101 The Air Force Today I (General Military Course) - AF101 (1)
AFR 1111 The Air Force Today II (General Military Course) - AF102 (1)
AFR 2130 The Development of Air Power I (General Military Course) - AF201 (1)
AFR 2131 The Development of Air Power II (General Military Course) - AF202 (1)
ANT 2000 Introduction to Anthropology (3)
CLP 2140 Abnormal Psychology (3)
DEP 2001 Infant, Child and Adolescent Psychology (3)
DEP 2004 Developmental Psychology (3)
DEP 2402 Psychology of Adulthood and Aging (3)
DEP 2481 Death and Dying: Life and Living (3)
EXP 2420 Animal Learning (3)
HUS 1001 Introduction to Human Services (3)
HUS 1332 Advanced Counseling/Interview Skills (3)
HUS 1530 The Disabled Experience (3)
HUS 1550 Human Services and the Disenfranchised (3)
HUS 2008 Survey of Counseling Theory and Practice (3)
HUS 2200 Group Dynamics (3)
HUS 2424 Addictions and Treatment (3)
HUS 2441 Addictions, Families and Communities (3)
HUS 2500 Issues and Ethics in Human Services (3)
IDS 2191 The 1960's - The Era of Metamorphosis (3)
INP 1390 Human Relations in the Workplace (3)
MSL 1001 Foundations of Officership - MSL101 (1)
MSL 1002 Basic Leadership - MSL102 (1)

MSL 2101 Individual Leadership - MSL201 (1)
MSL 2102 Leadership and Teamwork - MSL202 (1)
PCO 2202 Counseling Techniques (3)
PPE 2001 Survey of Personality (3)
PSB 2442 Addictions I - Psychology of Addictions (3)
PSY 1012 General Psychology (3)
PSY 2931 Special Topics in Intimate Relationships (3)
PSY 2932 Special Topics in Research Methods in Psychology (3)
PSY 2933 Special Topics in Clinical Psychology (3)
PSY 2934 Special Topics in Forensic Psychology (3)
PSY 2935 Special Topics in Parenting and Family Dynamics (3)
PSY 2936 Special Topics in Comparative Psychology (3)
PSY 2937 Special Topics in Persuasion and Prejudice (3)
SLS 1122 Dynamics of Student Success (3)
SLS 1225 Human Potential Seminar (3)
SLS 1261 Dynamics of Student Leadership Development (3)
SLS 2301 Career Planning (3)
SLS 2304 Career Exploration (1)
SLS 2505 Critical Thinking (3)
SOP 2002 Introduction to Social Psychology (3)
SOP 2772 Psychology of Human Sexuality (3)
SYG 2000 Introduction to Sociology (3)
SYG 2010 Social Problems and Deviance (3)
SYG 2430 The American Family (3)

EDUCATION

EDF 1005 Introduction to the Teaching Profession (3)
EDF 2030 Effective Classroom Management (3)
EDF 2060 History of Education in the USA (3)
EDF 2085 Introduction to Diversity for Education (3)
EDP 2002 Educational Psychology (3)
EEX 2010 Introduction to Special Education (3)
EME 2040 Introduction to Educational Technology (3)
MAE 2801 Elementary School Mathematics (3)

ECONOMIC & BUSINESS

ACG 2022 Principles of Financial Accounting (4)
ACG 2071 Principles of Managerial Accounting (4)
ACG 2100 Intermediate Accounting I (3)
BUL 2241 Business Law I (3)
BUL 2242 Business Law II (3)
ECO 2013 Principles of Macro Economics (3)
ECO 2023 Principles of Micro Economics (3)
GEB 1011 Introduction to Business (3)
GEB 2430 Business Ethics (3)
HFT 1000 Introduction to Hospitality Industry (3)
ISM 2000 Introduction to Business Information Processing (3)
MAN 2021 Principles of Management (3)
MAR 2011 Principles of Global Marketing (3)
MAR 2101 Social Media Marketing (3)
MAR 2321 Advertising (3)
MAR 2720 Introduction to E-Commerce (3)
MKA 2021 Sales Fundamentals (3)
MNA 2345 Supervision of Personnel (3)
OST 1330 Business English (3)
OST 2828 Business Presentation Software (1)
OST 2852 Excel for the Office (1)

COMMUNICATIONS

ASL 2140 American Sign Language I (4)

ASL 2150 American Sign Language II (4)
ASL 2160 American Sign Language III (4)
ASL 2200 American Sign Language IV (4)
EAP 1501 Accent Reduction (3)
ENC 2210 Report Writing (3)
ENG 2100 Introduction to Film (3)
ENL 2931 Selected Topics in Shakespeare (3)
FRE 1120 Elementary French I Concentrated (4)
FRE 1121 Elementary French II Concentrated (4)
FRE 2220 Intermediate French Reading and Conversation I (4)
FRE 2221 Intermediate French Reading and Conversation II (4)
GER 1120 Elementary German I Concentrated (4)
GER 1121 Elementary German II Concentrated (4)
GER 2220 Intermediate German Reading and Conversation I (4)
GER 2221 Intermediate German Reading and Conversation II (4)
ITA 1120 Elementary Italian I Concentrated (4)
ITA 1121 Elementary Italian II Concentrated (4)
ITA 2220 Intermediate Italian Reading and Conversation I (4)
ITA 2221 Intermediate Italian Reading and Conversation II (4)
JOU 1100 Introduction to Journalism (3)
LIS 2004 Introduction to Internet Research (1)
LIT 2030 Understanding Poetry (3)
LIT 2040 Dramatic Literature (3)
LIT 2110 Masterpieces of World Literature I (3)
LIT 2120 Masterpieces of World Literature II (3)
LIT 2380 Literature by Women (3)
LIT 2602 Maritime Literature (3)
MMC 1000 Introduction to Mass Communication (3)
ORI 2000 Fundamentals of Oral Interpretation (3)
POR 1120 Elementary Portuguese I Concentrated (4)
POR 1121 Elementary Portuguese II Concentrated (4)
POR 2220 Intermediate Portuguese I (4)
POR 2221 Intermediate Portuguese II (4)
RTV 1000/1000L Fundamentals of Broadcast Production and Lab (4)
RTV 1201/1201L Studio Television Production and Lab (4)
RTV 2102 Writing for Radio and Television (Broadcast Writing) (3)
RTV 2222/2222L Team Media Production and Lab (4)
RTV 2300 Broadcast Research/Newswriting/Presentation Skills (3)
SPC 2511 Argumentation and Debate (3)
SPC 2608 Oral Communications/Research/Presentation Skills (3)
SPN 1120 Elementary Spanish I Concentrated (4)
SPN 1121 Elementary Spanish II Concentrated (4)
SPN 2220 Intermediate Spanish Reading and Conversation I (4)
SPN 2221 Intermediate Spanish Reading and Conversation II (4)

HISTORICAL, POLITICAL & GLOBAL

AMH 2010 United States History to 1877 (3)
AMH 2020 United States History 1865 to Present (3)
AMH 2042 American Social History 1860 to Present (3)
AMH 2045 American Maritime History (3)
AMH 2047 Survey of US Military History (3)
AMH 2057 The American Civil War (3)
AMH 2058 World War II (3)
AMH 2059 The Vietnam War (3)
AMH 2091 Survey of African American History (3)
CPO 2001 Comparative Government (3)
EUH 2000 History of Western Civilization to 1648 (3)
EUH 2001 History of Western Civilization 1648 to Present (3)
GEO 2000 World Geography (3)
GEO 2420 Cultural Geography (3)
INR 2002 International Relations (3)
PHI 2001 Introduction to Philosophy I (3)
PHI 2100 Philosophy of Reasoning, Argument and Critical Thinking (3)

PHI 2600 Introduction to Ethics (3)
PLA 2880 Constitutional Law (3)
POS 2001 Introduction to Political Science (3)
POS 2041 American Federal Government (3)
POS 2112 State and Local Government (3)
POS 2930 Russian Politics and Foreign Policy (3)
REL 2300 World Religion (3)
WOH 2012 World History Before 1500 (3)
WOH 2022 World History After 1500 (3)

HUMANITIES & ARTS

AML 2050 Modern American Literature (3)
AML 2060 Contemporary American Literature (3)
AML 2600 Introduction to African American Literature (3)
ARH 1000 Art Appreciation (3)
ARH 2050 Introduction to the History and Criticism of Art I (3)
ARH 2051 Introduction to the History and Criticism of Art II (3)
ART 1201/1201L Design I and Lab (3)
ART 1203/1203L Design II and Lab (3)
ART 1300/1300L Drawing I and Lab (3)
ART 1301/1301L Drawing II and Lab (3)
ART 1331/1331L Drawing III and Lab (3)
ART 1500/1500L Painting I and Lab (3)
ART 1501/1501L Painting II and Lab (3)
ART 1754/1754L Pottery Handbuilding I and Lab (3)
ART 1772/1772L Raku Pottery I and Lab (3)
ART 2400/2400L Printmaking I and Lab (3)
ART 2540/2540L Watercolor I and Lab (3)
ART 2551/2551L Airbrush Techniques (3)
ART 2701/2701L Sculpture I and Lab (3)
ART 2702/2702L Sculpture II and Lab (3)
ART 2722/2722L Stone Carving and Lab (3)
ART 2752/2752L Pottery Wheelthrowing I and Lab (3)
ART 2759 Ceramic Studio I (1)
ART 2834/2834L Museum and Gallery Practices and Lab (3)
Applied Music - Principal Level Courses (1)
Applied Music - Secondary Level Courses (1)
Chamber Music Ensemble Courses (1)
CRW 2100 Fiction Writing (3)
CRW 2300 Poetry Writing (3)
DAA 1100 Modern Dance I (3)
DAA 1104 Modern Dance I for Pre-Majors (3)
DAA 1105 Modern Dance II for Pre-Majors (3)
DAA 1200 Classical Ballet I (3)
DAA 1204 Ballet I for Pre-Majors (3)
DAA 1205 Ballet II for Pre-Majors (3)
DAA 1500 Beginning Jazz Dance (3)
DAA 1520 Beginning Tap Dance (3)
DAA 2101 Modern Dance II (3)
DAA 2106 Intermediate Modern Dance I for Pre-Majors (3)
DAA 2107 Intermediate Modern Dance II for Pre-Majors (3)
DAA 2201 Classical Ballet II (3)
DAA 2206 Intermediate Ballet I for Pre-Makors (3)
DAA 2207 Intermediate Ballet II for Pre-Majors (3)
DAA 2501 Intermediate Jazz Dance (3)
DAA 2540 Musical Theater Dance (3)
DAA 2610 Dance Composition (3)
DAA 2640/2640L Choreography and Dance Ensemble and Lab (3)
DAN 1100 Dance Appreciation (3)
DAN 2740 Stretch and Placement (3)
DIG 1109 Digital Imaging Fundamentals (3)
HUM 2210 Prehistory to Medieval Humanities (3)
HUM 2230 Renaissance to Postmodern Humanities (3)

HUM 2740 Humanities Overseas Study Program (3-6)
MUC 2601 Introduction to Songwriting (3)
MUH 1021 History of Country Music (3)
MUH 2110 Introduction to Music History and Literature (3)
MUL 1010 Music Appreciation (3)
MUL 2380 Popular Music in America (3)
MUM 1610 Survey of Recording Technology (3)
MUM 1622 Sound Reinforcement (3)
MUM 2600 Audio Engineering I (3)
MUM 2600L Audio Engineering I Lab (2)
MUM 2601 Audio Engineering II (3)
MUM 2601L Audio Engineering II Lab (2)
MUM 2603 Studio Maintenance (3)
MUM 2607 Soundtrack Development (3)
MUM 2609 Studio Production (3)
MUM 2611 Live Recording Techniques (3)
MUM 2640 Post Production Sound (3)
MUM 2700 Survey of Music Business (3)
MUM 2720 Music Publishing, Copyright and Intellectual Property (3)
MUM 2722 Artist Management (3)
MUM 2728 Concert Production and Event Management (3)
MUM 2730 Public Relations and Marketing for Music (3)
MUN 1031 Contemporary Music Ensemble I (1)
MUN 1032 Contemporary Music Ensemble II (1)
MUN 1120/1120L College Band and Lab (3)
MUN 1210/1210L Orchestra and Lab (3)
MUN 1340/1340L Concert Choir and Lab (3)
MUN 1362 Madrigal Dinner Rehearsal and Performance (3)
MUN 1710/1710L Jazz Ensemble and Lab (2)
MUN 1711 Jazz Combo (1)
MUN 1720/1720L Contemporary Vocal Ensemble and Lab (3)
MUS 1621 Acoustics and Psychoacoustics (3)
MUS 1622 Sound Reinforcement (3)
MUS 2360 Learning Basic Music Using the Computer (3)
MUT 1001 Fundamentals of Music (3)
MUT 1121/1121L Music Theory I and Lab (4)
MUT 1122/1122L Music Theory II and Lab (4)
MUT 2126/2126L Music Theory III and Lab (4)
MUT 2127/2127L Music Theory IV and Lab (4)
MVK 1111 Applied Music - Group (Piano) I & II (1)
MVK 2121 Applied Music - Group (Piano) III & IV (1)
MVS 1116 Beginning Class Guitar (1)
MVS 2126 Intermediate Class Guitar (1)
MVV 1111 Beginning Class Voice (1)
PGY 1100 Photography I (3)
PGY 1403 Fundamentals of Photography (4)
PGY 2000 History and Aesthetics of Photography (3)
PGY 2210 Professional Studio Portraiture (4)
PGY 2216 Location Photography (4)
PGY 2226 Commercial/Illustration Photography (4)
PGY 2470 Advanced Photo Workshop (4)
PGY 2650 Editorial Photography (4)
PGY 2750 Introduction to Video Production (4)
PGY 2801 Digital Photography (4)
PGY 2806 Fine Arts Digital Photography (4)
PGY 2935 Portfolio Workshop (1-4)
THE 1000 Dramatic Appreciation (3)
THE 1035 Dramatics I (Acting) (3)
THE 1036 Dramatics II (Acting) (3)
THE 2037 Dramatics III (Theatre Production) (3)
THE 2038 Dramatics IV (Theatre Production) (3)
TPA 2200 Stagecraft (3)
TPP 2190/2190L Theatre Rehearsal and Performance and Lab (3)
TPP 2300 Beginning Directing (3)

MATHEMATICS AND TECHNOLOGY

CGS 1060/1060L Basic Computer Concepts and Lab (3)
CGS 2100 Microcomputer Applications (3)
COP 1000 Principles of Computer Programming (3)
COP 2001/2001L Computer Programming "C++" and Lab (3)
COP 2220 Computer Programming "C" (3)
COP 2800 Computer Programming "Java" (3)
COP 2805 Advanced Computer Programming "Java" (3)
COP 2842 Web Scripting (PHP) (3)
COP 2850 Web Programming Project (3)
EET 1141/1141L Analog Devices and Circuits and Lab (4)
EET 2142/2142L Analog Circuits and Basic Analog Communication and Lab (4)
MAC 1105 College Algebra (3)
MAC 1114 College Trigonometry (3)
MAC 1140 Pre-Calculus Algebra (3)
MAC 2233 Calculus for Business and Nonphysical Sciences I (3)
MAC 2311/2311L Calculus I and Lab (4)
MAC 2312/2312L Calculus II and Lab (4)
MAC 2313/2313L Calculus III and Lab (4)
MAD 2104 Discrete Mathematics (3)
MAP 2302/2302L Differential Equations and Lab (3)
MAT 1033 Intermediate Algebra (4)
MGF 2106 College Mathematics (3)
MGF 2107 Mathematics for Liberal Arts (3)
STA 2023 Elementary Statistics (3)

PUBLIC SERVICE

CCJ 1010 Introduction to Criminology (3)
CCJ 1020 Introduction to Criminal Justice (3)
CCJ 2647 Organized Crime (3)
CJC 1000 Introduction to Corrections (3)
CJE 1670 Crime Scene Investigation (3)
CJJ 2002 Juvenile Delinquency (3)
CJT 2100 Criminal Investigation (3)

SCIENCE

AST 1002 Astronomy (3)
BOT 1010/1010L General Botany and Lab (4)
BSC 1005 Survey of Biological Science (For Non-Science Majors) (3)
BSC 1005L Survey of Biological Science Lab (For Non-Science Majors) (1)
BSC 1010/1010L General Biology I (For Science Majors) and Lab (4)
BSC 1011/1011L General Biology II (For Science Majors) and Lab (4)
BSC 1020 Human Biology (3)
BSC 1085/1085L Human Anatomy and Physiology I and Lab (4)
BSC 1086/1086L Human Anatomy and Physiology II and Lab (4)
BSC 2930 Biological Themes in Film (3)
CHM 1025/1025L Introduction to Chemistry and Lab (4)
CHM 1045/1045L General College Chemistry I and Lab (4)
CHM 1046/1046L General College Chemistry II and Lab (4)
CHM 2210/2210L Organic Chemistry I and Lab (4)
CHM 2211/2211L Organic Chemistry II and Lab (4)
EVR 2001/2001L Environmental Science and Lab (4)
EVR 2861 Environmental Policy (3)
EVR 2933 Environmental Seminar (1)
EVR 2943 Environmental Internship (3)
GIS 2040/2040L Geographic Information Systems and Lab (3)
GLY 2010/2010L Physical Geology and Lab (4)
GLY 2100 Historical Geology (3)
HLP 1081 Fitness Assessment and Improvement (3)
HSC 1531 Medical Terminology (4)

HSC 2400 First Aid, Responding to Emergencies (3)
HUN 1201 Human Nutrition (3)
HUN 1270 Sports Nutrition (3)
MCB 1010/1010L Microbiology and Lab (4)
MET 2010 Meteorology (3)
OCB 2000/2000L Introduction to Marine Biology and Lab (4)
OCE 1001 Introduction to Oceanography (3)
OCE 2013/2013L Aquatic Environmental Science and Lab (4)
PCB 2033/2033L Introduction to Ecology and Lab (4)
PCB 2510/2510L Human Genetics and Lab (4)
PET 2084 Personal Health and Wellness (3)
PET 2621 Principles of Athletic Training (3)
PET 2622 Care and Prevention of Athletic Injuries (3)
PHY 1020 Energy and its Environmental Effects (3)
PHY 1053/1053L General Physics I and Lab (4)
PHY 1054/1054L General Physics II and Lab (4)
PHY 2048/2048L Physics with Calculus I and Lab (5)
PHY 2049/2049L Physics with Calculus II and Lab (5)
PSC 1121 Physical Science (3)

Note: All courses are listed in the most recent Transfer Student Counseling Manual. These courses will either be duplicated in our catalog or brought in as transfer courses.

Courses transferred from other institutions are decided on an individual basis.

EXCESS HOURS ADVISORY STATEMENT

This Division of Florida Colleges advisory statement for incoming students is intended to ensure that all students within The Florida College System understand the importance and potential consequences of their course selections.

Section 1009.286, Florida Statutes, establishes an "excess hour" surcharge for students seeking baccalaureate degrees at state universities. It is critical that students, including those entering Florida College System Institutions, are aware of the potential for additional course fees. For the 2012-13 academic year and thereafter, "excess hours" are defined as hours that go beyond 110% of the hours required for a baccalaureate degree program. For example, if the length of the program is 120 credit hours, the student may be subject to an excess hour surcharge for any credits attempted beyond 132 credit hours (110% X 120).

All students whose educational plan may include earning a bachelor's degree should make every effort to enroll in and successfully complete those courses that are required for their intended major on their first attempt. Florida College System students intending to transfer to state universities should identify a major or "transfer program" early and, by the time the student earns 30 semester hours of college credit, be advised of admission requirements for that program, including the approved common prerequisites. Course withdrawals and/or repeats, as well as enrollment in courses nonessential to the intended major, may contribute to a potential excess hours surcharge.

General Education Requirements for Associate of Science Degree

A minimum of 15 credits in specific general education courses is required to complete the AS degree. The 15 credits include at least one course from each of the following general education core areas: Communications; Humanities, Cultural & Aesthetics; Behavioral & Social Sciences; and Natural Sciences/Mathematics. The Gordon Rule requirements apply. Appropriate competencies in oral communications and/or basic use of computers have been included in program specific courses for those programs not requiring general education courses in these areas.

Complete program descriptions and requirements are listed in this catalog. For information about the AS degree or certificate programs, contact an academic advisor, the School's chairperson or assistant chair, or the specific College Associate Vice President.

College Your Way

Daytona State College offers a variety of courses that provide flexible delivery methods and formats, and convenient meeting times. These non-traditional approaches to traditional education are designed for individuals with busy lives. Students can choose more convenient schedules such as those offered by the seven-week courses, Half and Half classes, Online Programs at Daytona State College, Web-Enhanced, and Weekend College courses.

Seven-Week Courses

Daytona State's seven-week courses are designed for students who want to earn their degrees as quickly as possible. These courses are the same college credit courses that are offered during our traditional 15-week semesters, only they are condensed into seven weeks. Course start dates vary. Search for these courses and select Subsession A or B.

Online (Totally)

Courses that are delivered 100 percent online. Students access the course through the Internet via Daytona State's learning management system. Students are charged an additional fee of $25 per credit hour. Students may obtain degrees/certificates with limited or no visitation to campus. Currently, students may obtain an AA or BAS degree online. Students may also work toward many AS degree options. For course access and computer requirements, go to http://online.daytonastate.edu. To search for Online (Totally) courses, select Online (Totally) for Instructional Method, and please read "View Comments".

OnLine (Partially)

Courses that have some seat time and some online delivery. Seat time may vary from 25 to 75 percent of the hours needed to complete the course. The remaining hours devoted to the course are delivered through the Internet via Daytona State's learning management system. Depending on the percentage of online activity, students are charged an additional fee of $20.00 per course. For course access and computer requirements, go to http://online.daytonastate.edu. To search for Online (Partially) courses, select Online (Partially) for Instructional Method, and please read "View Comments".

Other Technology

Your instructor will explain what the requirements for these courses are.

Weekend Courses

Daytona State's weekend courses are designed for those who only want to earn their degrees on Friday, Saturday or Sunday. To search for weekend courses, select 'Weekend' for class type.

Cooperative Education/Internships

Cooperative Education empowers you to get a head start in meaningful professional employment.

Students in Co-op will learn through hands-on experience in their chosen field of study.

Internship experience is a great way to gain work experience in a new profession. This experience will be valuable, not only during your enrollment at Daytona State, but also after graduation as you build your professional resume.

To be eligible, you must be admitted to an AAS, AS, or certificate program. Your Department Chair will work with faculty and staff to help you to arrange a field placement related to your major. Whether you are paid or unpaid is left to the discretion of the employer.

Co-op and internships will give you a competitive edge when applying for employment after graduation. Many co-op jobs are posted on the on-line job listing through Career Services Online (CSO): https://myinterfase.com/daytonastate/student/ .

For additional information, contact the Chairperson of your Department, or Career Services.

Associate of Arts: Psychology Areas of Specialization Certification

Daytona State College offers students who have declared Psychology as their major program code the opportunity to complete a General Psychology Track. The General Psychology Track requires students to successfully complete 9 semester hours of Psychology courses which include General Psychology (PSY1012), Human Development (DEP2004), and Survey of Personality (PPE2001). Additionally, students can further their studies in Psychology by completing a Specialized Psychology Track in one of four different applied areas. Students can complete a Specialized Psychology Track in Marriage & Family (Relational) Psychology, Social Psychology, Clinical & Counseling Psychology, or Developmental Psychology. Students who plan to major in Psychology at the baccalaureate level will be better prepared for the baccalaureate curriculum by completing one of these tracks. Students who wish to complete a Specialized Psychology Track must successfully complete an additional 6 – 9 hours of specialized courses beyond the General Psychology Track. Students who are interested in a Psychology Track should meet with an academic advisor early in their tenure at Daytona State College to establish an academic plan that will ensure that all program requirements will be met. For more information on this program, students should contact the department chair, Dr. Ron Morrison at (386) 506-3918, or the department assistant chair, Mr. Nick Petropouleas at (386) 506-3409.

Athletic Training Education Program (ATEP)

Daytona State College offers a unique opportunity for students to prepare to successfully transfer into an accredited athletic training program at a four-year college or university. Students may complete their first two years of prerequisite courses at Daytona State while gaining valuable experience under the direct supervision of NATABOC-certified athletic trainers (ATC's). Athletic training students work with Daytona State's Division I sports program at both practices and intercollegiate competitions to assist in providing care for athletic injuries.

More information can be found on the ATEP website at http://www.daytonastate.edu/athletic_training/index.html. Follow the links to Health/Wellness Academics. You may also contact Kim Csabi, ATC, Director of Sports Medicine, at 386-506-3989.

Center for Interactive Media/WDSC-TV 15

Daytona State College Public Broadcasting is a non-commercial, educational, public broadcasting television station. It reaches more than 1.6 million people throughout Volusia, Flagler, and seven other counties throughout Central Florida. WDSC-TV offers a variety of locally produced programs intended to inform, educate and entertain viewers, and put Central Floridians in the spotlight.

The Florida Virtual Entrepreneur Center

The Florida Virtual Entrepreneur Center (flvec.com) is a free one-stop shop for entrepreneurs you are looking for resources on starting, growing or relocating a business. Entrepreneurs can find the latest business resources on the flvec.com site specific to their county, region or state. The FLVEC is an initiative of the Florida High Tech Corridor Council in partnership with the College and local economic development organizations.

Honors College

The Honors College at Daytona State College offers students with proven academic ability an assortment of challenging courses to satisfy their intellectual curiosity and quest for knowledge. Most students enrolled in the Honors College intend to earn their bachelor's degree upon graduation from Daytona State College. That is why we place an emphasis on the arts and sciences, and tailor instruction toward preparing students for university transfer and success. Honors classes are small and offer instruction that is more individualized. Other features include:

Opportunities for outstanding achievement
Highly motivated fellow students
Emphasis on critical thinking and leadership skills
Lively exchange of ideas with other students and faculty
Thought-provoking curriculum
A formal research program
Scholarship advice and recommendations
Presidential Ambassador Program
Individual academic counseling
10% tuition reimbursement for each semester the student qualifies
Special recognition at commencement
A competitive advantage upon transfer

Honors College courses also encourage students to pursue their own special interests through independent study. For those who are up to the challenge, the Honors College at Daytona State can help students along the road of self-discovery and to prepare for college after Daytona State.

For further information, please email or call Dr. Andrea Reese, chair of the Honors College. Telephone: (386) 506-3337. Email: reesea@DaytonaState.edu.

Entrance Requirements

Students may apply for admission to the Honors College if they meet the following criteria:

Minimum PERT Scores:
Reading 104
Writing 99
Math 123

Minimum SAT Scores:
Critical Reading 600
Math - 500

Minimum ACT Scores:
Reading - 25
English 23
Math - 20

Graduation Requirements

Students who wish to graduate from the Honors College must complete the following:

The Honors College Orientation & Training during the first semester of Honors College, as scheduled

Establish during the first semester of Honors College an Honors College Committee, which consists of "2" Honors College faculty members - one of which will be identified as the "Student's Committee Chairperson & Honors Advisor"

The Honors College section of Introduction to Statistics (STA2023), and Introduction to Research Methodology (PSY2932), both with a grade of "B" or better, by the end of the Freshman year (e.g., 30 credits), or before taking more than 6 semester hours of Honors Courses

Modern American Literature (AML2050), and one of the Honors College offerings in Science (e.g., Science, Fiction, and Films - BSC2930, or Physical Science Honors - PSC1121), both with a grade of "B" or better

An approved 2-year Research Project and Thesis

A minimum total of 18 hours of Honors College credit with a grade of "B" or better

A cumulative GPA of 3.25 or better

Other requirements as determined by the Honors College

Quanta/Learning Communities

Daytona State's Learning Communities offer an alternative to traditional college classes. These courses are integrated with a common theme and emphasize collaborative teaching and learning.

The QUANTA Learning Community: An Integrated Freshman Experience

QUANTA is a nationally-recognized Learning Community where students and faculty work together to share their learning experiences.

As a QUANTA student, you'll work with three faculty members who collaborate in teaching critical thinking, cultural arts and English courses. You will participate in groups with other students to share your ideas, thereby gaining different perspectives on the topic you are studying. You'll develop your critical thinking, reading and writing skills, group and leadership skills and will benefit from a flexible learning environment. Through this experience of community, you'll develop a greater sense of involvement with the other students and faculty.

QUANTA integrates traditional college courses with a common theme and offers students the challenge of seeing and exploring the relationships between subjects and ideas within those subjects. QUANTA courses satisfy general education requirements for all majors in AA degree programs. All students who qualify for ENC 1101 and need the AA classes are welcome to register for QUANTA.

The Florida Board of Community Colleges has recognized the QUANTA Learning Community as one of the outstanding academic programs in Florida in higher education.

For detailed program information contact Dr. Casey Blanton, Chair of Learning Communities, at (386) 506-3802 or through email at: blantoc@daytonastate.edu.

Linked Classes

One of the advantages of college is learning how to see the world from different perspectives. Linked classes--separate courses joined by a theme--are an excellent way for you to do just that. In a linked class, you will work closely with other students and faculty to discover relationships between different subjects. Also, you will experience the excitement and challenge of active learning as you work together to solve problems and think critically.

What are the benefits of linked classes?

> Students understand how subjects and issues are interrelated and can cross subject matter boundaries.
> Learning Communities provide an academic community for students who attend commuter schools.
> Students become active and responsible participants in their own education. High-level critical thinking is encouraged.
> Students and faculty find intellectual interaction and connection with each other.
> The exposure to diverse populations and the opportunities to explore and understand diverse perspectives are great.

For detailed program information call (386) 506-3802 and talk to Dr. Casey Blanton, Chair of Learning Communities, or e-mail her at blantoc@daytonastate.edu.

Recognition of Academic Excellence

Daytona State students who have pursued and achieved academic excellence during their course of study may be eligible for one or more of the following honors.

President's List - Students are eligible if they earn at least six semester hours of credit and have a 3.8-4.0 semester GPA. The names of students achieving this honor are published on the Daytona State College Web site for the Fall and Spring semesters. (Developmental courses that do not count in the GPA calculation are excluded.)

Dean's List - Students are eligible if they earn at least six semester hours of credit and have a 3.2-3.79 semester GPA. (Developmental courses that do not count in the GPA calculation are excluded.)

Honors Recognition - Students who graduate with high cumulative GPAs are recognized at graduation as follows: High honors (3.8-4.0 GPA) and honors (3.2-3.79 GPA) and a statement will appear on transcript. (Developmental courses that do not count in the GPA calculation are excluded.)

Hall of Fame - Daytona State's highest honor in scholarship, leadership and citizenship is presented at the annual awards ceremony.

Outstanding Student Awards - Each department presents these at the annual awards ceremony to students in BAS, AA, AAS and AS degree and certificate programs. Students involved in extracurricular activities are also recognized.

Florida Blue Key - The University of Florida awards its community college leadership honor to one outstanding female and male from each of Florida's 28 community colleges.

Phi Theta Kappa - This is the only nationally accredited honors organization for two year colleges. Daytona State 's chapter is Mu Rho. The Mu Rho office is in Building 130, Room 107 on the Daytona Beach Campus. For information about membership and activities, call the Daytona Beach Campus office at (386) 506-3330. This is an international honors society that is open to AA, AS, and AAS students who meet certain academic criteria.

Who's Who is awarded annually by the National Organization of Who's Who in American Community and Junior Colleges.

Sigma Beta Delta - This is an international honor society that is open to students in the BAS program who meet certain academic criteria.

Small Business Development Center

The Daytona State College Small Business Development Center is a partnership with the University of Central Florida and the US Small Business Administration. The Daytona State College SBDC is a team of certified professionals who are dedicated to providing management advice and training to potential and existing entrepreneurs. The Center's services include individual counseling, training workshops, a business resource center, specialized assistance as well as online classes. For more information please call (386) 506-4723 or visit our website at www.sbdcdaytona.com.

Summer Study Abroad at Cambridge University

Daytona State offers several different opportunities for students to study abroad. These include a program of study at Cambridge University in England during the summer. Students register for academic credit through Daytona State or choose to audit the Cambridge courses while attending one of the world's oldest (established 1209) and most prestigious universities.

Students also have the opportunity to study in other countries such as Italy.

For more information regarding study at Cambridge University, contact Samuel Goldstein at (386) 506-3617; for information on study in Italy, contact Vincent Piazza at (386) 785-2079; and for information on study in Spain and Brazil, contact Elias Lorenzo-Lorenzo at (386) 506-3541.

Veterinary Technology (Distance Education)

Veterinary Technology (Distance Education Program through St. Petersburg College)

Daytona State College offers students this specialized program in partnership with St. Petersburg College. Students will enroll at Daytona State College to complete their general education/core courses, and then enroll in a totally distant learning program at St. Petersburg College. The Veterinary Technology courses are taught online. All program specific courses and general education/core courses must be completed with a grade of 'C' or better.

The Veterinary Technology Program at St. Petersburg College has been accredited by the American Veterinary Medical Association since 1978.

Graduates have a variety of career opportunities in veterinary clinics, hospitals, universities and college facilities, research laboratories, zoological gardens and reserves, animal shelters, and pounds.

Daytona State College - General Education/Core Course Requirements

The Veterinary Technology Track (AA Advising Track Code: 7971) requires students to successfully complete 22 semester hours of General Education/Core courses at Daytona State College, which include:

College Composition (ENC1101)

Oral Communications/Research/Presentation Skills (SPC2608)

College Algebra (MAC1105) or College Mathematics (MGF2106) or Mathematics for Liberal Arts (MGF2107) or STA 2023 Elementary Statistics (STA2023)

General Biology I (For Science Majors) and Lab (BSC1010/1010L) or BSC1005/1005L Survey of Biological Sciences (For Non-Science Majors) and Lab

Introduction to Ethics (PHI2600)

Behavioral & Social Sciences Core Selection

Humanities, Cultural & Aesthetic Core Selection

St. Petersburg College - Program Specific Online Course Requirements*

Students will complete 51 semester hours of Program Specific Online courses at St. Petersburg College, which include:

Animal Anatomy and Lab (ATE1110/1110L)

Animal Physiology (ATE1211)

Veterinary Office Procedures (ATE1311L)

Large Animal Clinical and Nursing Skills (ATE1636)

Veterinary Clinical Practice I (ATE1650L)

Veterinary Clinical Practice II (ATE1654L)

Laboratory Animal Medicine (ATE1671L)

Veterinary Medical Terminology (ATE1741)

Veterinary Work Experience I (ATE1943)

Veterinary Work Experience II (ATE1944)

Small Animal Breeds and Behavior (ATE2050C)

Professional Development Seminar (ATE2501C)

Animal Medicine I (ATE2611)

Animal Medicine II (ATE2612)

Animal Nursing (ATE2631)

Animal Pharmacology (ATE2634)

Animal Laboratory Procedures I and Lab (ATE2638/2638L)

Animal Laboratory Procedures II and Lab (ATE2639/2639L)

Animal Nursing and Medicine Laboratory I (ATE2651L)

Animal Nursing and Medicine Laboratory II (ATE2653L)

Large Animal Clinical and Nursing Lab (ATE2656L)

Large Animal Diseases (ATE2661)

Animal Emergency Medicine (ATE2710)

Avian and Exotic Pet Medicine (ATE2722)

Veterinary Work Experience III (ATE2945)

Veterinary Work Experience IV (ATE2949)

Students who are interested in this track should contact the Academic Advisor in the College of Health, Human and Public Services, Melissa Brown at (386) 506-3052, or the department chair, Geraldine Rimstidt at 386-506-3823.

For more information about the St. Petersburg College selection process, program specific online courses and laboratory requirements, please contact St. Petersburg College at 727-302-6712 or visit their website at http://www.spcollege.edu/program/VETTC-AS

General Admission Requirements

Admission Requirements for Associate Degrees and Certificate Programs:

Daytona State College has an open-door policy, which gives all students the opportunity to pursue an education beyond high school. Admission to the college is granted to applicants who have a Florida standard high school diploma, a GED diploma or to home school graduates. Applicants from private schools and high schools from states other than Florida will be considered in accordance with current state statute if their diploma is recognized as equivalent to a Florida standard high school diploma. Students who have previously demonstrated competency in post-secondary level course work (through successful completion of 12 transferable college credits, not including Developmental course work) will be eligible for acceptance to the college. Applications are accepted year-round.

For any questions regarding admission to the college, please call (386) 506-3059. Admissions applications are available online at http://www.daytonastate.edu.

Students with a Certificate of Completion or Special Diploma, or without a high school diploma may be admitted to the following certificate programs:

Advanced Automotive Technology (Performance Engine Specialization)
Air Conditioning, Refrigeration and Heating Mechanic
Air Conditioning, Refrigeration and Heating Technology
Automotive Collision Repair and Refinishing
Automotive Service Technology
Cosmetology
Culinary Operations – Baking and Pastry Specialization
Machining
Patient Care Assistant
Welding Technology (Applied)

Students who have received a Certificate of Completion-CPT Eligible from their high school can pursue any available degree offering with the exception of limited access programs.   However, students who do not have a standard high school diploma or GED will not be able to receive financial aid.

Admission Requirements for the Bachelor of Applied Science in Supervision and Management Program:

Applications are accepted year-round and students may start the program during any semester of the academic year. There is no application fee. Admission to the Bachelor of Applied Science (BAS) in Supervision and Management program is open to all applicants who meet the admission requirements.

Applicants must complete an application to the BAS in Supervision and Management program. Applications are available in the admissions office, the program office and online at www.daytonastate.edu/admissions/index.html.
Applicants for the BAS program must have earned an associate degree. Students with an Associate of Arts (AA) degree may be admitted to the program with the approval of the Chair of the BAS program. Those with AA degrees who have completed all core general education credits are required to complete 18 credits in an occupational/technical area, e.g., accounting technology, computer science, business, etc. (i.e., 60 AA credits plus 18 occupational/technical credits) in place of the additional general education core credits required of the AS/AAS graduate.
Applicants must have at least 60 college credit hours, including a minimum of 15 credit hours of transferable general education courses. Applicants must have received a grade of "C" or better in all core general education courses that transfer into the BAS program, and must have earned an overall grade point average of 2.0 in the associate degree program courses. In addition, students must have completed all Developmental coursework prior to being accepted to the BAS program.

Admission Requirements for the Bachelor of Science in Education Program:

Applicants to any of the Bachelor of Science in Education degrees must have:

Conferred Associate of Arts degree from a regionally accredited institution

Cumulative GPA of 2.5 in all higher education classes

Satisfactory completion of the General Knowledge (GK) Test portion of the Florida Teacher Certification Examination. Click here for more information or to register for the exam: http://www.fl.nesinc.com

Volusia County Schools Volunteer clearance. Go to http://www.daytonastate.edu/education under the Admissions Requirements Section to obtain the Volusia County Schools Application to Volunteer. Follow the steps on our website for completion and submission instructions. For a list of disqualifying offenses view Florida Statute 1012.315.

Bachelor of Science in Education Program application

Grade of "C" or higher in the following pre-requisite classes: EDF1005, EDF2085 formerly EDG2071), EME2040 in addition to the following program specific pre-requisites:

Elementary Education and Exceptional Student Education: no additional pre-requisites.

Secondary Mathematics Education Program: MAC2311C/L (4 credits), MAC2312C/L (4 credits) and an additional 4 credit math elective (MAS, MTG, or MAC)

Secondary Biology Education: MAC2311C/L (4 credits), BSC1010C/L (4 credits, BSC1011C/L (4 credits) and one of the following: CHM1045 C/L (4 credits), PHY1053C/L (4 credits) or PHY2048C/L (4 credits)

Secondary Earth/Space Science Education: MAC2311C/L (4 credits), OCE1001, GLY2010C/L (4 credits) and one of the following combinations: BSC1010C/L and BSC1011C/L, or CHM1045C/L and CHM1046C/L, or PHY2048C/L and PHY2049C/L.

Notes:

Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355) in their first semester of enrollment.

Students who have not successfully completed two years of the same foreign language in high school, must complete two semesters or 8 credit hours of the same foreign language at the college level to meet the state foreign language requirement to graduate.

Students must also complete the state-mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Sciences - 6 hrs; Humanities, Cultural and Aesthetic - 3 hrs; Behavioral and Social Sciences - 3 hrs; Health and Wellness - 3 hrs; Political, Economic and Business - 3 hrs; Historical and Global - 3 hrs.

Admission Requirements for the Bachelor of Science in Engineering Technology

Applicants for the BSET program must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), or an Associate of Arts (AA) degree with an overall grade point average of 2.5. Students with a grade point average of between 2.0 and 2.49 may be admitted conditionally. AA graduates may be admitted to the program with the approval of the Chair of the BSET program. Those with AA degrees who have completed all core general education courses will be required to complete a total of 18 credits in appropriate technical prerequisite courses. AS/AAS graduates must complete additional core general education courses.

Applicants who have not earned an associate degree may be admitted to the BSET program if they have earned at least 60 BSET transferrable credits with a grade of "C" or better in all core general education courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval of the Chair. In addition, students must have completed all Developmental coursework prior to being accepted to the BS in Engineering Technology program.

Admission Requirements for Adult Education:

Daytona State College offers the following programs under its Adult Education Department:

Adult Basic Education (ABE)

Adult High School

English as a Second Language (ESL)

General Education Development (GED)

Adult Education applicants must be 16 years of age. Applications are accepted year round at all Daytona State College campuses. Additional documentation required may include:

> Picture identification from Florida State Department of Motor Vehicles or Student ID
> Official transcripts from last high school attended (For Adult High School only.)
> For students under 18:
>> Official withdrawal form (Volusia County only)
>> GED consent form
>> Parent signature

Transcripts

Acceptance to Daytona State College is contingent upon the receipt of final, official copies of your high school transcripts, documenting a standard high school diploma, or GED scores, and if applicable, final, official transcripts from all colleges and educational institutions previously attended. Transcript request cards are available at all Daytona State campuses. Home school students are required to submit a home school verification statement. Students who completed high school in another country or who attended a college or university outside the U.S. and wish to have course work evaluated for transfer to Daytona State must have a NACES-recognized evaluation service complete a course-by-course evaluation of these transcripts. NACES members can be viewed at http://www.naces.org. Also, submit translated syllabi for all post-secondary courses you wish to have considered for transfer. Additional documentation may also be required. Please contact the Records Office for more information.

With the exception of international students, all certificate and degree-seeking students are given a one-semester grace period to submit official documents mentioned above. A "Hold" is placed on the student's record preventing future registration until transcripts are received. For additional information, please call (386) 506-3059.

Application Dates

Admission to Daytona State College may be granted during any semester; however, specific programs may restrict entry to certain times. Applications are processed year round. Due to limited space in some classes and programs, we strongly encourage you to complete the admission process as soon as possible. Registration begins in April for fall semester classes, November for spring semester classes, and March for summer classes. International students should contact the Admissions Office at least three to six months in advance of their initial enrollment.

Enrollment Process Checklist

Associate Degree and Certificate Program Enrollment Checklist:

Submit an Admission Application - You can apply online or by downloading our application from http://www.daytonastate.edu and submitting it by mail, fax, email, or in person at any campus. Submit final, official high school or GED transcript, including a graduation date. Students who graduated from a home school program are required to submit a home school affidavit. Submit final, official transcripts from all colleges or universities you have attended. An official transcript is one that arrives in a **sealed envelope**. If you graduated high school or have attended college in another country, please download the information sheet, Evaluating Credentials from Outside the U.S., and follow the instructions. Contact Admissions for more information about your transcript requirements. Please DO NOT submit your original documents to the college.

Complete a Financial Aid Application - Apply for financial aid as soon as possible. Financial aid is available to qualified students enrolled in an eligible program to assist in meeting educational expenses. Applicants should complete the FAFSA at http://www.fafsa.gov to determine eligibility. Daytona State's school code is 001475. Processing time is 4-6 weeks. Additional information about Financial Aid or Daytona State College scholarships is available from the Office of Financial Aid Services.

Complete Placement Requirements - Fulfill your placement requirements by taking the PERT for degree programs and TABE for certificate programs. If you have previous course work or have taken the SAT/ACT/CPT/AP, make sure to submit official copies to the Admissions Office and bring an unofficial copy with you to Academic Advising.

Meet with an Academic Advisor - Talk with an academic advisor to interpret your placement test scores and discuss program requirements. We recommend talking with an advisor prior to registering for the first time. Students are also encouraged to register with Career Services at this time.

Complete Online Orientation - Complete the Orientation requirement online at http://www.daytonastate.edu- under FalconNet Online Services (requires College ID # and College PIN number).

Register for Classes - Search for your classes by using the Search Courses link at http://www.daytonastate.edu. You have the option of registering online - under FalconNet Online Services (requires College ID # and College PIN number) - or registering on campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering.

Pay for Classes - Pay for your classes either in person at the Office of Student Accounts or online. REMEMBER - you are not officially registered until you have paid in full. You have the option of paying online - under FalconNet Online Services (requires College ID # and College PIN number).

Obtain Your Student I.D., Parking Decal and Books- Get your student ID card and parking decal at the Campus Safety Office on any campus. You can also get your books in person or online at http://www.efollett.com.

Bachelor of Applied Science Enrollment Checklist:

Submit an Admission Application. You can apply online or by downloading our application from http://www.daytonastate.edu and submitting it by mail, fax, email, or in person at any campus. Continuing Daytona State students are still required to submit a new application for the BAS program in order to change levels. Submit final, official high school or GED transcript including a graduation date. Students who graduated from a home school program are required to submit a

home school affidavit. Submit final, official transcripts from all colleges or universities you have attended. An official transcript is one that arrives in a **sealed envelope**. If you graduated high school or have attended college in another country, please download the information sheet, Evaluating Credentials from Outside the U.S., and follow the instructions. Contact Admissions for more information about your transcript requirements. Please DO NOT submit your original documents to the college.

Complete a Financial Aid Application - Apply for financial aid as soon as possible. Financial aid is available to qualified students enrolled in an eligible program to assist in meeting educational expenses. Applicants should complete the FAFSA at http://www.fafsa.gov to determine eligibility. Daytona State's school code is 001475. Processing time is 4-6 weeks. Additional information about Financial Aid or Daytona State College scholarships is available from the Office of Financial Aid Services.

Meet with an Academic Advisor - Contact Academic Advising at any campus. The advisor will assist you with choosing your first classes, requirements for program completion and graduation plans. Take copies of your college/university transcripts. More information is available from the Academic Advising office.

Complete Online Orientation - If you are a new or readmitting Daytona State student, complete the Orientation requirement online at http://www.daytonastate.edu- under FalconNet Online Services (requires College ID # and College PIN number).

Register for Classes - Search for your classes by using the Search Courses link at http://www.daytonastate.edu. You have the option of registering online - under FalconNet Online Services (requires College ID # and College PIN number) - or registering on campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering.

Pay for Classes - Pay for your classes either in person at the Office of Student Accounts or online. REMEMBER - you are not officially registered until you have paid in full. You have the option of paying online - under FalconNet Online Services (requires College ID # and College PIN number).

Obtain Your Student I.D., Parking Decal and Books- Get your student ID card and parking decal at the Campus Safety Office on any campus. You can also get your books in person or online at http://www.efollett.com.

Bachelor of Science in Education Enrollment Checklist

Submit an Admission Application. You can apply online or by downloading our application from http://www.daytonastate.edu and submitting it by mail, fax, email, or in person at any campus. Continuing Daytona State students are still required to submit a new application for the BSED program in order to change levels. Submit final, official high school or GED transcript including a graduation date. Students who graduated from a home school program are required to submit a home school affidavit. Submit final, official transcripts from all colleges or universities you have attended. An official transcript is one that arrives in a **sealed envelope**. If you graduated high school or have attended college in another country, please download the information sheet, Evaluating Credentials from Outside the U.S., and follow the instructions. Contact Admissions for more information about your transcript requirements. Please DO NOT submit your original documents to the college.

Complete a Financial Aid Application - Apply for financial aid as soon as possible. Financial aid is available to qualified students enrolled in an eligible program to assist in meeting educational expenses. Applicants should complete the FAFSA at http://www.fafsa.gov to determine eligibility. Daytona State's school code is 001475. Processing time is 4-6 weeks. Additional information about Financial Aid or Daytona State College scholarships is available from the Office of Financial Aid Services.

Meet with an Academic Advisor - Contact Academic Advising at any campus. The advisor will assist you with choosing your first classes, requirements for program completion and graduation plans. Take copies of your college / university transcripts, if any. More information is available from the Academic Advising office.

Complete Online Orientation - If you are a new or readmitting Daytona State student, complete the Orientation requirement online at http://www.daytonastate.edu- under FalconNet Online Services (requires College ID # and College PIN number).

Register for Classes - Search for your classes by using the Search Courses link at http://www.daytonastate.edu. You have the option of registering online - under FalconNet Online Services (requires College ID # and College PIN number) - or registering on campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering. Once admitted to the program register for SLS 3355: Orientation to BS in Education Programs, along with your other classes. SLS 3355 is a four hour session that takes place prior to the beginning of the semester and must be completed to continue with the program. For assistance with selecting additional classes, please visit an Academic Advisor at any campus.

Pay for Classes - Pay for your classes either in person at the Office of Student Accounts or online. REMEMBER - you are not officially registered until you have paid in full. You have the option of paying online - under FalconNet Online Services (requires College ID # and College PIN number).

Obtain Your Student I.D., Parking Decal and Books- Get your student ID card and parking decal at the Campus Safety Office on any campus. You can also get your books in person or online at http://www.efollett.com.

Bachelor of Science in Engineering Technology Enrollment Checklist

Submit an Admission Application. You can apply online or by downloading our application from http://www.daytonastate.edu and submitting it by mail, fax, email, or in person at any campus. Continuing Daytona State students are still required to submit a new application for the BSET program in order to change levels. Submit final, official high school or GED transcript including a graduation date. Students who graduated from a home school program are required to submit a home school affidavit. Submit final, official transcripts from all colleges or universities you have attended. An official transcript is one that arrives in a **sealed envelope**. If you graduated high school or have attended college in another country, please download the information sheet, Evaluating Credentials from Outside the U.S., and follow the instructions. Contact Admissions for more information about your transcript requirements. Please DO NOT submit your original documents to the college.

Complete a Financial Aid Application - Apply for financial aid as soon as possible. Financial aid is available to qualified students enrolled in an eligible program to assist in meeting educational expenses. Applicants should complete the FAFSA at http://www.fafsa.gov to determine eligibility. Daytona State's school code is 001475. Processing time is 4-6 weeks. Additional information about Financial Aid or Daytona State College scholarships is available from the Office of Financial Aid Services.

Meet with an Academic Advisor - Contact Academic Advising at any campus. The advisor will assist you with choosing your first classes, requirements for program completion and graduation plans. Take copies of your college / university transcripts, if any. More information is available from the Academic Advising office.

Complete Online Orientation - If you are a new or readmitting Daytona State student, complete the Orientation requirement online at http://www.daytonastate.edu- under FalconNet Online Services (requires College ID # and College PIN number).

Register for Classes - Search for your classes by using the Search Courses link at http://www.daytonastate.edu. You have the option of registering online - under FalconNet Online

Services (requires College ID # and College PIN number) - or registering on campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering.

Pay for Classes - Pay for your classes either in person at the Office of Student Accounts or online. REMEMBER - you are not officially registered until you have paid in full. You have the option of paying online - under FalconNet Online Services (requires College ID # and College PIN number).

Obtain Your Student I.D., Parking Decal and Books- Get your student ID card and parking decal at the Campus Safety Office on any campus. You can also get your books in person or online at http://www.efollett.com.

Florida Residency for Tuition Purposes

Daytona State's fees and tuition are based upon your status as a legal permanent Florida resident. Daytona State is required to follow the Florida state guidelines regarding residency for tuition purposes. A student qualifies as a Florida resident for tuition purposes - or if a dependent child, his/her parent(s) - if the student has established and maintained a legal residence in the state of Florida for at least 12 consecutive months immediately prior to the first day of classes. The applicant must state that his/her length of residence, or if a dependent child, his/her parent(s) length of residence, was for the purpose of maintaining a bona fide domicile and not for the purpose of maintaining a temporary residence incident to enrollment. A dependent child whose parents are divorced or separated may qualify as a resident for tuition purposes if either parent is a legal resident of Florida regardless of which parent claims the child as a dependent for federal income tax purposes. A dependent child living with an adult relative other than his/her parent(s) may qualify as a Florida resident for tuition purposes if the adult relative and the student have maintained a legal residence in the state of Florida for 12 consecutive months prior to the first day of classes and the dependent child has lived with the relative for five years immediately preceding residency classification and has been claimed by that relative as a "dependent" under the Federal Income Tax Codes.

The following categories will be considered as Florida residents for tuition purposes, pending corresponding documentation:

Active duty members of the armed forces stationed in Florida, or whose home of record is in Florida, and their dependents
Full-time instructional and administrative personnel employed by a public educational institution and their dependents
Qualified beneficiaries under the Florida Pre-Paid Postsecondary Expense Program
Eligible non-immigrant categories: A, E, G, H-1B, I, K, L, N, O, R, and NATO I-7, S, T, U, V
Others as permitted by state statute or rule.

The documentation necessary to verify residency may be different for "dependent" and "independent" students. Dependent students normally use their parent/legal guardian's documentation for residency; whereas, independent students use their own documentation. For dependent students, the "claimant" is the parent/legal guardian; for independent students, the student is the "claimant." For more information regarding dependency, please see an Admissions Advisor.

A student will be granted Florida residency for tuition purposes when the claimant has a Florida permanent legal address and provides written or electronic verification that he or she has been issued two of the following three Tier 1 Florida documents that are dated at least 12 months prior to the first day of classes of the term for which the student is enrolling:

A Florida voter's registration
A Florida driver's license or identification card
A Florida vehicle registration

Documentation:

The claimant must provide the Admissions office with a completed Residency Affidavit and originals or legible copies of the documents used to document residency. If the claimant cannot provide two of the three items mentioned above, Florida residency may still be verified if at least two documents, one from Tier 1 and one from Tier 2, are provided.

Tier 1, in addition to the items above:

Proof of purchase of a permanent home in Florida that is occupied as a primary residence of the claimant
Proof of a homestead exemption in Florida
Transcripts from a Florida high school for multiple years (if Florida high school diploma or GED was earned within last 12 months)
Proof of permanent full-time employment in Florida (one or more jobs for at least 30 hours per week for a 12-month period)

Tier 2 (may be used in conjunction with one document from Tier 1):

A declaration of domicile in Florida (recorded by the Clerk of Court 12 months prior to the first day of classes)
A Florida professional or occupational license
Florida incorporation
Documents evidencing family ties in Florida
Proof of membership in a Florida-based charitable or professional organization
Any other documentation that supports the student's request for resident status

Examples of "other" documentation:

Utility bills and proof of 12 consecutive months of payments
Lease agreement and proof of 12 consecutive months of payments
Official state, federal, or court documents evidencing legal ties to Florida

Unacceptable documentation includes a hunting/fishing license, a library card, a shopping club/rental card and a birth certificate or passport.

Any student who seeks reclassification as a Florida resident must complete and submit the Residency Reclassification Affidavit. Continuous full-time enrollment at Daytona State College or any college during your qualifying period may make you ineligible for reclassification for in-state tuition. Please consult with an Admissions Advisor for possible exceptions. All residency reclassification documentation must be submitted no later than the first day of classes for the term in which reclassification is sought. Any question about this procedure or filing an appeal should be directed to the Admissions Office on the Daytona Beach Campus at (386) 506-3059.

Residency Appeals

Residency decisions must be appealed in writing. Submit the Residency Appeal form, available from the Admissions Office, with all supporting documentation to the Admissions Office on the Daytona Beach Campus, attention to Admissions Coordinator. The appeal will be reviewed and a response provided to the student's FalconMail email account.

International Students

Daytona State College welcomes international students. The Admissions Office should be contacted three to six months prior to your anticipated enrollment so you can obtain an international student admissions packet. The packet contains the required information for admission to Daytona State and should be submitted at least 90 days before the start of each term.

The following official records are required to support your application for admission to Daytona State College:

Application - Complete the International Student Application for Admission. You can apply online or by downloading our application and submitting it by mail, fax, email, or in person at any campus.

Transcripts - College transcript requirements can be viewed at http://www.daytonastate.edu/catalog/adm/transcripts.html. International students must submit all required transcripts prior to acceptance.

Verify Finances - Complete the Verification of Finances Form, which is available from the Admissions Office online at http://www.daytonastate.edu/admissions.html. Complete both sides. Submit supporting documentation such as bank letters, award letters, etc. All financial documents must be in English and U.S. dollars. Additional instructions are available from the Admissions Office.

English Language Proficiency - If you are a citizen of a country where the official language is not English, you must provide one of the following:

TOEFL Scores – 61 on the Internet Based Test (IBT); 173 on the Computerized / International version. You can schedule a test or request your scores at www.toefl.org. Daytona State's ETS school code is 5159. TOEFL scores are good for two years from the date of the test.

Proof of completion of the equivalent of ENC1101, College Composition

Proof of graduation from a United States high school

Students who are citizens of countries where the primary language is English, as identified by the Department of State, are not required to submit proof of English language proficiency.

Transfer Clearance - If you are already studying in the U.S. on a visa and wish to transfer to Daytona State or take classes as a transient student, you must submit the following:

Transfer / Transient Clearance Form – available from the Admissions Office; to be completed by your current / home institution prior to acceptance at Daytona State College

Copy of your I-94

Copy of your most recent I-20

Copy of your visa

Passport Copy - Please submit a clear copy of your passport. After you submit all required documents, Daytona State College will mail your SEVIS Form I-20 and Letter of Acceptance to you at the mailing address provided on your application. Overnight delivery services can be utilized at the student's expense. Contact the Admissions Office for more information.

After the admission requirements are met:

Daytona State College will mail you the I-20 eligibility form attached to your acceptance letter.

Pay the SEVIS fee at http://www.fmjfee.com prior to attending the U.S. Consulate.

Take the I-20 eligibility form to the U.S. Consulate in your native country and apply for a student visa.

Travel to Daytona State College at least three weeks before classes start to complete the registration process for the best selection of class availability.

Report to the International Student Advisor on the Daytona Beach Campus.
Take the placement test in Assessment Services.
Speak with an academic advisor and register for classes.
Show proof of health and accident insurance coverage to the Office of Student Accounts. Students who do not or cannot show proof will be covered through Daytona State College's group insurance and automatically billed in their fee statement.
Attend the International Student Orientation.

**International students must maintain full-time status (12 credits or greater) regardless of program requirements. Exceptions may apply to the last semester of enrollment or by permit only for special circumstances. For more information, please contact the International Student Advisor.

Medical insurance is mandatory for all international students. Daytona State offers insurance for international students through Bert Reams Insurance Services, Inc. That office can be reached at (386) 252-6699, ext. 338, or by emailing bcapeh60@aol.com. Please contact Global Education & Affairs at (386) 506-3837, email bradyj@daytonastate.edu, if you have any questions. All other students may contact Bert Reams Insurance Services or other preferred insurance providers for their insurance needs.

International Student Assistance

International students are required to meet with the international student advisor upon arrival at Daytona State College for immigration registration in the Student Exchange Visitor Information System (SEVIS).

U.S. Immigration and Customs Enforcement (ICE) requires all students on F-1 visas to be enrolled full-time for the fall and spring semesters. Daytona State College defines full-time status as 12 or more credit hours.

To remain in compliance with their I-20, students must maintain a 2.0 or better grade point average (GPA) each semester they are enrolled.

Students are required to comply with all Daytona State College rules and regulations. Academic Advising and Counseling services are available to assist you. International students are a vital part of our educational program. We will do all we can to help students have a successful and enjoyable educational experience at Daytona State. Please contact our Admissions Office at (386) 506-3059 or email admissions@daytonastate.edu if you have any questions or need assistance.

International Enrollment and Student Development

For other services such as health insurance, housing or community support, please contact the **Global Education and International Student Affairs Office at (386) 506-3141**.

Limited Access Programs

Admission to the following limited access programs is determined by demand, available classroom space, state licensure requirements and/or related criteria specified by each program. Certain limited access programs require additional tests for admission. Please see the Program Guide for your field of interest for details. Applicants to these programs must submit a Daytona State College application and be accepted according to general College admission requirements, in addition to a separate limited access application which is available from the program chairperson. Please check with the program chairperson for details and applications.

For more information about these program please visit the program guide

Correctional Officer Recruit Training
Criminal Justice Technology Bridge
Dental Assisting
Dental Hygiene
Emergency Medical Services
Emergency Medical Technician
Fire Fighter II
Health Information Management
Law Enforcement Recruit Training
Massage Therapy
Medical Assisting
Medical Information Coder / Biller
Nursing (Associate Degree)
Nursing (Transition Into Profession)
Occupational Therapy Assistant
Paramedic
Patient Care Assistant
Physical Therapist Assistant
Practical Nursing
Radiography
Respiratory Care
Surgical Technology

Maximum Course Load and Credit Overload

Students are typically limited to enrolling for no more than 18 credits during any semester (fall, spring, summer). Sub-sessions (e.g. A & B terms) within any semester have a maximum credit limit of nine hours.

Credit Overload

Students in good standing who desire to take more than 18 credit hours must obtain approval from the Director of Academic Advising. Determinations for approval are based on an individual basis, reviewing the combination of courses being requested, the student's previous course work attempted, number of credits attempted in previous semesters, grade point average earned (minimum 3.0 for both semester and cumulative is required) and commitments outside of courses (numbers of hours working, family obligations, etc.).

Readmission to Daytona State College

Students who previously attended Daytona State must:

Resubmit an admission application to the Admissions Office if you were not enrolled during the last two major semesters (fall, spring);

Contact the Admissions Office to update your application if you were admitted to the College for a given semester but did not register for courses. Applications for students who applied but did not register are maintained for one year. If you applied prior to that, a new application is required;

After reapplying to the College, students will follow all other steps for enrollment applicable to their program.

Special Credit Students

Students may take courses even if they do not intend to earn a college degree or certificate from Daytona State College. A special credit (non-matriculated) student is one who enrolls in courses to upgrade career skills, takes courses for personal enrichment, or enrolls in courses for the purpose of transferring to another institution. Special Credit students must meet all course placement and prerequisite requirements.

Special credit students are limited to a total of 15 credits, after which they must meet with an advisor to discuss career and educational plans and options. Taking additional credits will be approved with the understanding that the classes will not lead to a degree or certificate and that all placement and prerequisites need to be met. If a student has already received an associate of arts degree or a bachelor's (or higher) degree, the 15-credit limit is not applicable. Students are required to provide transcripts to document degrees earned and to have placement tests waived and prerequisites documented. Special credit students are not eligible to receive financial aid.

If a special credit student subsequently applies for admission to the college as a degree seeking student, the catalog requirements at the time of admission will need to be met.

Student Insurance

Medical insurance is mandatory for all international students. Daytona State offers insurance for international students, which may be waived if the student selected insurance is deemed acceptable. Please contact Global Education & Affairs at (386) 506-3141, email bradyj@daytonastate.edu or renaudv@daytonastate.edu if you have any questions.

Academic Advising

Academic Advising is an important part of getting started and staying on the right path as you move closer to your educational, career and personal goals. Advising provides you with specific details about your courses, programs and policies that affect you.

Professional Academic Advisors are available on each campus to:

> discuss your educational goals and the programs and courses available to help you meet those goals
> help you understand the College's rules, regulations and policies
> help you find information on transfer programs and how to best prepare to meet transfer requirements.

First Semester Advising

Each new student is required to meet with an Academic Advisor to get placement test results. During that meeting, you will have the opportunity to discuss placement requirements, required course work and policies governing allowable first-semester courses and program requirements. You are encouraged to meet with an Academic Advisor early and become familiar with registration dates and the academic calendar. You are responsible for selecting your course meeting days and times and to register for your courses via web registration or in the Falcon Center on the campus of your choice. More specific descriptions about services, contacting the department and information about the staff are available under Academic Advising at http://www.daytonastate.edu.

Continuing Student Advising

Both Professional Academic Advisors and Faculty Academic Advisors are available to advise you during continuing semesters.

> If you are enrolling in an A.S. or a Certificate program, you will be assigned to a faculty academic advisor during your first semester of coursework. The faculty advisor teaches in your program of study and can provide you with extensive background knowledge about program requirements for your major.
> If you are enrolled in developmental classes, you will be assigned an academic advisor to ensure you have someone to turn to for help if you need it. In addition, prior to registration for the next term an "Advising Hold" will be placed on your record if you are in developmental classes. All you must do to get this removed is see your advisor. National advising data shows that students in developmental classes are more successful when they have someone at the college they feel they can turn to for help. This hold enables your advisor to make contact with you and be sure you are getting the help you need to be successful.
> If you are enrolled in an A.A. degree program, you can see either a Professional Academic Advisor or a Faculty Academic Advisor. Either advisor can provide you with information about how to meet degree requirements and offer referrals for how to learn more about transfer information and requirements.

You are encouraged to contact an advisor each semester. You can find out who your advisor is and how to contact him/her using Online Services and selecting Your Student Information. If there is no advisor listed, you can either visit the Academic Advising Center located in Bldg. 100 on the Daytona Beach Campus or talk to a faculty member in your major.

You will receive email notifications throughout the semester regarding advising information. We encourage you to check your free Falconmail email account often.

Dual Enrollment

Dual Enrollment

Dual Enrollment is an acceleration mechanism that provides students attending a Florida public or private high school, or who are enrolled in a home school program, an option to simultaneously earn college credit toward the Associate of Arts degree, Associate of Science degree or Vocational Credit toward a certificate program while meeting the requirements for a high school diploma. Students are exempt from the payment of registration, tuition and laboratory fees while they are dual enrolled.

There are no age limits for a student to Dual Enroll. Students are required to be in the 10th – 12th grade and can be public, private, or home school students. Parents of home school students will be required to complete a notarized Home School Affidavit form (provided by the Office of Admissions) to verify that their child is registered with the District Home School office. Prospective Dual Enrollment students must have a minimum unweighted high school GPA of 3.0 for college courses and 2.0 for vocational courses as specified in Florida Statute (1007.271 F.S.). To Dual Enroll, prospective students must have minimum placement scores on PERT (Post-Secondary Education Readiness Test), SAT or ACT for college-level course work and TABE for vocational coursework.

Florida State Rule 6A-10.0315 was amended in December 2011 and now restricts high school students to two attempts at the PERT while they are in high school. Since Public School students are required to take the PERT for college readiness in the 11th grade if they score below a certain level on the 10th grade FCAT, they are restricted to one attempt at the PERT before the 11th grade. If their FCAT score is high enough for them to be exempt from taking the PERT for college readiness, their guidance counselor can send approval for them to take the PERT one more time for Dual Enrollment purposes. Students who attend private school or are home schooled must wait a minimum of one high school semester before they can have their second and final attempt at the PERT. Students who do not attain the necessary score on the PERT can provide SAT or ACT test scores for Dual Enrollment. Students get two more attempts at the PERT for college purposes after high school graduation.

Dual Enrollment courses are weighted the same as IB and AP courses in the high school record. Dual Enrollment students are held to the College's academic calendar and deadlines. Any schedule changes must be made by college published deadlines.

> If a student decides to drop a course, s/he must do so by the add/drop deadline (posted in the college academic calendar at www.DaytonaState.edu). If the student does not make the schedule changes by the deadline, s/he will need to withdraw, which will result in a "W" grade (withdrawal), which appears on the transcript and is counted as an attempted course.

> If a student registers for a course and then does not attend (without formally dropping or withdrawing from the course) s/he **will not** be dropped for non-attendance. The student will receive an "F" grade at the end of the semester and the grade will be sent to the high school and become part of their permanent record.

> Public school and private school students will need a drop/withdraw form signed by a high school guidance counselor before they will be permitted to drop or withdraw from a class.

> Home school students must have a parent signature to drop or withdraw from a class.

Students who wish to Dual Enroll should be working toward a degree or certificate at the college. The purpose of Dual Enrollment is to give students a head start on their college program while earning high school credit at the same time. Careful consideration should be taken when choosing courses to minimize the cost to the state and the possibility of the student incurring excess hours in the upper portion of their degree program. Students who plan to continue on to a bachelor's degree program should work toward completing requirements for their intended program, including common program prerequisite courses. Students should inform their Academic Advisor

of their intended major and ask for clarification about requirements for that major.

While appropriate for college-level study, course materials and class discussions may reflect topics not typically included in secondary courses which some parents may object to for minors. Courses will not be modified to accommodate variations in student age and/or maturity.

Students are not permitted to take more than 18 credit hours (college and high school combined) in the same semester.

Dual Enrollment students are not permitted to take upper level (3000 or 4000 level) courses while they are dual enrolled.

Dual Enrollment students can take one completely online course per semester. Dual Enrollment students can take hybrid and/or half and half courses.

Dual Enrollment students cannot take any course that is less than 3 credit hours or any private lesson course.

Dual Enrolled students who receive a "D" or an "F" in a course will be required to repeat that course in the next semester, and they will be limited to 2 courses during the next semester. If the student receives a "D" or "F" in the same course twice, s/he will not be permitted to Dual Enroll in future courses. If the student registers prior to grades being posted, s/he must see a high school guidance counselor about changing their schedule. If the student does not change their schedule the college will drop the student from all courses. This rule is in the Volusia and Flagler articulation agreements and applies to all Daytona State College Dual Enrolled students.

Students who take classes through the Dual Enrollment program are in actual college classes. They are not easier for Dual Enrollment students because the student is still in high school. The state of Florida and the College's accreditation agency require all students to be held to the same requirements (grading, class attendance, homework assignments, etc.).

The college falls under a different set of privacy laws than the high schools (see information about FERPA at http://www.daytonastate.edu/catalog/adm/records_student_info_svcs.html). Once the student is in our system as a college student, we cannot give any information to the parent about the student's records and faculty members cannot give information to the parent about how the student is doing in the class. This applies regardless of the student's age. In addition, the student must be present for all enrollment processes: admissions, registration and all schedule changes. Parents cannot process forms without the student being present.

Students are permitted to Dual Enroll for a maximum of three calendar years or until any of the following conditions occur:

    The student turns 19 years of age

    The student is no longer eligible to register with their county school district office as a home education student

    The student completes his/her high school course work

    The student completes the requirements for an associate of arts degree

Students who complete the requirements for an associate degree will be auto-graduated and will no longer be permitted to dual enroll.

Tuition and fees are free for Dual Enrollment students. Public school students get free books from the school district which they borrow for the semester. Students who do not return their books will be charged the full cost for the books. Home school and private school students are required to purchase their own text books. All students are required to purchase any other materials needed for their class (example: culinary uniforms and knives, art supplies, musical instruments, cosmetology kits, etc.).

State Regulations and local articulation agreements sometimes change without notice. You can find the most current information on the Dual Enrollment link on our website at www.daytonastate.edu/advising.

Public and private school students who wish to Dual Enroll should start the process with their high school counselor. Home school students should start the process in the Admissions Office of Daytona State College.

Orientation

Orientation is an important step in getting started. Our Orientation program is geared toward awareness and student success. We provide you with a general overview of the various departments available to assist you during your time at Daytona State College. Orientation does not, however, provide detailed instructions about how to select and register for classes. For this, you should speak with an academic advisor.

All new and readmitted students pursuing a degree or certificate program are required to complete Orientation. The following programs/majors are excluded from the Orientation requirement (*):

> Apprenticeships including 1020 Child Care Specialist, 1071 Electrical Non-Union, 1072 Electrical Union, 1070 Plumbing Union
> Special Credit including 0001 Non-Degree, 0002 Employment, 0004 and 0007
> Transient 0003
> Dual Enrollment including 0005 Daytona State HS, 0008 Dual Vol./Flagler, 0009 Private
> 1056 Fire Fighter II (1156)
> 1051 Law Enforcement Training (1151)
> 0960 Emergency Medical Technician (1960)
> 0957 Paramedic (1957)
> 2208 Emergency Medical Services (2108)
> 1050 Correctional Officer Recruit Training (1150)

(*) If you are in one of these majors and attempt online orientation, you will get an error message indicating that you are not required to complete. You can check to verify that your major classification is correct by going to Online Services and selecting Your Student Information under the Records and Registration option.

Students who change majors (from a non-Orientation required program to an Orientation-required program) must complete the Orientation requirement, even if they have been attending Daytona State for a semester or more. Registration will be prevented until the Orientation program is completed. You can access the online version of the Orientation once you have completed an admissions application and a student number has been created for you (approximately one business day after your application has been received). The online version is available in FalconNet. You will be required to enter your college identification number and your College PIN number. Your College PIN will be your birth date in the format of (mmddyy). Once you have logged into the system you can change your College PIN. After you are logged into the Portal just click on the tab that says "Falconnet" and you will find the link to orientation on the menu on the left side of the page. Online Enrollment and Student Development, including Orientation, can be accessed from any computer with Internet access (home, work, public library or Daytona State computer labs).

Online Orientation

If you have any questions about Orientation, contact Academic Advising at (386) 506-3661 or advising@daytonastate.edu.

Assessment and Placement

Please note that assessment may be required for first-semester students.

All students entering Daytona State must take the Florida Post Secondary Education Test (P.E.R.T.) or submit a State of Florida standard high school diploma indicating appropriate coursework, and acceptable Advanced Placement, SAT or ACT scores that exempt them from the college preparatory program or they must submit college transcripts that show the completion of Freshman English I or Intermediate Algebra.

Students who score below the minimum scores on one or more of the three sections of the P.E.R.T. must complete college preparatory requirements prior to enrolling in college-level courses. Students have the following options at Daytona State:

> Complete Daytona State College Preparatory courses (ENC 0015/L, ENC 0025/L, REA 0007/L, REA 0017/L, MAT 0018/L, MAT 0028/L) as placed by the assessment instrument. Students who place into the College Prep program for mathematics must complete Intermediate Algebra (MAT1033) following successful completion of MAT0028. Students who place into REA0017 will be required to take Dynamics of Student Success (SLS1122). MAT 1033 and SLS 1122 are college credit courses that can only be used as elective credit towards the AA degree. Upon the successful completion of the College Prep program, students may enroll in college level courses for which the co-requisites or pre-requisites are met.
> The School of Adult Education offers CTE preparatory instruction for the TABE exam for those student who have not met the basic entry / exit level test requirements.
> Improve scores on the P.E.R.T. by enrolling in courses offered by the School of Adult Education program. Students exercising this option must retake and pass the appropriate sections of P.E.R.T. prior to enrolling in college level courses.

Writing and Reading:

> **ENC0015: Writing I (4 credits)**: Students who score below 90 in writing on the P.E.R.T.
> **ENC0025: Writing II (4 credits)**: Students who score 90-98 in writing on the P.E.R.T.
> **REA0007: Reading I (4 credits)**: Students who score below 84 in reading on the P.E.R.T.
> **REA0017: Reading II (4 credits)**: Students who score 84-103 in reading on the P.E.R.T.

Those who place in the 0015 or 0007 sections are particularly weak and should build their schedules around their developmental work. Students are encouraged enroll in A Term sections that will allow them to complete both levels (ENC0015 & ENC0025) in a single semester so that they can be caught up and prepared for college level work by their second semester at the college.

Mathematics:
MAT0018 : Math I (Pre-Algebra) and Lab **(4 credits)** : Students who score less than 96 on the Math portion of the P.E.R.T.
MAT0028 : Math II (Elementary Algebra) and Lab) **(4 credits)** : Students who score 96-112 on the Math portion of the P.E.R.T.

Students who place into the college preparatory courses will be required to begin those courses in their first semester and will be provided a program of study by an Academic Advisor using the following guidelines:

> Reading, writing and math courses require weekly attendance at the Learning Center in addition to regular class sessions.
> Students must continue to enroll in the college prep courses until they complete the program and demonstrate mastery of the required developmental education competencies.

Assessment of Prior Learning Experience (APLE)

Daytona State recognizes that students come to the institution from a variety of backgrounds. We value the training and knowledge you may have gained through experience. The Assessment of Prior Learning Experience (APLE) program, which includes APLE exams and portfolios, is designed to allow you to turn your skills and knowledge into college credit. Credit earned through the APLE program can only be awarded in courses offered at Daytona State. Credit will not be awarded for courses in which you have already received credit. All methods of earning credit must meet equivalent classroom standards per. State rule 6E-2.0041

To earn credit through the APLE program you must meet the following requirements:

Be enrolled in a degree or certificate program at Daytona State College and the credit earned must be appropriately related to your degree or certificate program

Be registered for and attending classes during the current semester

Meet with Academic Advising to identify courses that match your prior experience and may qualify for the APLE credit program.

Meet with Assessment Services staff member to understand the requirements and limitations associated with earning credit through APLE and complete eligibility and registration forms.

Make payment of all fees prior to sitting for exam or portfolio review.

Portfolios must be able to provide documentation which satisfies all major learning outcomes for a selected course.

Be aware credit awarded for prior experiential learning shall not exceed 25% of the units required for completion of the program.

Be aware the maximum number of credits that can be earned through the combined total of transfer, examination, or experiential learning is 75% of the degree or certificate program.

Active U.S. military members are excluded from the above limitations.

Assessment Services

Assessment Services provides information, registration and administration of a wide range of tests, as well as the Assessment of Prior Learning Experience (APLE) program. Please note that assessment may be required for first-semester students. Students can register for and take the following assessments at Daytona State College:

Daytona State placement tests - P.E.R.T., ACCUPLACER (CPT), TABE, CASAS, MAPP
Daytona State entrance exams - CJBAT, TEAS
APLE (Assessment of Prior Learning Experience) exams
CLEP (College Level Exam Program) exams
FCAT (Florida Comprehensive Assessment Test)
Certification Exams - IT-VUE, MSSC, FTCE
GED (General Education Development) exam

All placement test score results, and test scores used for exemption to the placement test, are valid for 2 years. There is an exception for Adult Education placement testing.

Per Florida state rule 6A-10.0315, a degree seeking student has a maximum of two (2) attempts on the approved placement test. Eligibility to retest is verified by Academic Advising. Also, prior to retesting alternative remediation must occur. The retest fee is $10.

New Student Assessment:

All students entering Daytona State must take the a state approved placement test or submit a State of Florida standard high school diploma indicating appropriate coursework, or acceptable Advanced Placement, SAT or ACT scores that exempt them from the college preparatory program or they must submit college transcripts that show the completion of Freshman English I or Intermediate Algebra.

New students admitted to a degree or certificate program are required to take a placement test unless you meet one of the exemptions listed below. The results will help with your placement into appropriate courses to ensure your academic success. Placement instruments are not used for admission to the college; although, they may be used as a guide for admission to certain limited access programs.

There a several assessment instruments approved for general admission to the college. The Postsecondary Education Readiness Test (P.E.R.T.), the ACCUPLACER (CPT) and the Test of Adult Basic Education (TABE). Each measure reading, math and language skills. The placement test for degree programs (AA, AS and BAS) and business or computer related college credit certificates is the P.E.R.T.

The placement test for vocational certificate programs and the EMT, Office Support and Paramedic certificate programs is the TABE. All placement tests and tests used for exemption to the placement tests are valid for two years.

Exemptions to the Placement Tests:

Postsecondary Education Readiness (P.E.R.T.) - You are not required to take the related portions of the test if the following conditions are met:

SAT scores of 440 or above on critical reading or 440 or above on math for placement into Intermediate Algebra (MAT 1033), or 500 or above on math for placement into College Algebra (MAC 1105)
ACT scores of 18 or above on the reading or 17 or above on English or 19 or above on math for placement into Intermediate Algebra (MAT 1033), or 21 or above on math for placement into College Algebra (MAC 1105)
Proof of successful completion of the equivalent of ENC 1101 (College Composition) or MAT 1033 (Intermediate Algebra) at another college

Accuplacer (CPT) scores of 83 or above on both the reading and language or for math 85 or above on arithmetic and 72 or above on the elementary algebra.

Test of Adult Basic Education (TABE) - You are not required to take the related portions of the test if the following conditions are met:

SAT scores of 440 or above on critical reading, or 440 or above on math
ACT scores of 18 or above on the reading, or 17 or above on English or 19 or above on math
PERT scores of 104 or above on the reading, or 99 or above on the writing, or 113 or above on the math.
Accuplacer (CPT) scores of 83 or above on the reading, or 83 or above on the sentence skills or 72 or above on the elementary algebra
You already have an Associate in Applied Science degree or higher.

Please note that assessment may be required for first-semester students.

Students who score below the minimum scores on one or more sections of the placement test must complete college preparatory requirements prior to enrolling in college-level courses. Students have the following options at Daytona State:

Effective Fall 2011 the developmental courses numbers have been updated. The equivalencies are:

ENC0015 = ENC0001
ENC0025 = ENC0002
REA0007 = REA0001
REA0017 = REA0002
MAT0018 = MAT0002
MAT0028 = MAT0024

Complete Daytona State College Preparatory courses (ENC 0015/L, ENC 0025/L, REA 0007/L, REA 0017/L. MAT 0018/L, MAT 0028/L) as placed by the assessment instrument. Students who place into the College Prep program for mathematics must complete Intermediate Algebra (MAT1033) following successful completion of MAT0028. Students who place into either of the REA classes must complete Dynamics of Student Success (SLS1122).
MAT 1033 and SLS 1122 are college credit courses; however, they can only be used as elective credit toward the AA degree. Upon the successful completion of the College Prep program, students may enroll in college level courses for which the co-requisites or pre-requisites are met.
The Academic Support Center offers Vocational Preparatory Instruction (VPI) for the TABE exam for those students who have not met the basic entry / exit level test requirements.
Improve scores on the placement test by enrolling in courses offered by the Daytona State Adult Education Program. Students exercising this option must retake and pass the appropriate sections of the placement test prior to enrolling in college level courses.

Writing and Reading:

ENC0015: Writing I (4 credits): Students who score 0-89 or below in writing on the P.E.R.T.
ENC0017: Writing II (4 credits): Students who score 90-98 in writing on the P.E.R.T.
REA0007: Reading I (4 credits): Students who score 0-83 in reading on the P.E.R.T.
REA0017: Reading II (4 credits): Students who score 84-103 in reading on the P.E.R.T.

Those who place in the lower levels need additional skill development and should build their schedules around their developmental work. Students are encouraged enroll in a A Term sections that will allow them to complete both level in a single semester so that they can be caught up and prepared for college level work by their second semester at the college.

Mathematics:

MAT 0018: Math I (Pre-Algebra) and Lab (**4 credits**): Students who score less than 96 on the math portion of the P.E.R.T.

MAT 0028: Math II (Elementary Algebra) and Lab) (**4 credits**) Students who score from 96-112 on the math portion of the P.E.R.T.

Students who place into the college prep program and who elect to enroll in Daytona State College preparatory courses will be provided a program of study by a counselor or advisor using the following guidelines:

Reading, writing and math courses require weekly attendance at the Learning Center in addition to regular class sessions.
Students must continue to enroll in the college prep courses until they complete the program and pass the College Prep Exit Exam.

Graduation Requirements and Procedures

All students seeking an associate of arts or a bachelor's degree must satisfy the following degree requirements as established by the Florida Board of Education. You are required to complete a minimum of 60 hours of transferable college level credit to receive an AA degree. Florida State Board of Education Administrative Rule 6A-10.024 (3a) requires 36 semester hours of general education courses, excluding college prep courses. The remaining 24 credit hours are elective credits. Graduates must also meet the requirements of the Gordon Rule and a state mandated foreign language requirement. You also must meet the Daytona State College residency requirements (see below).

Students seeking a bachelor's degree, associate of science, associate of applied science, or certificate must have a cumulative 2.0 GPA, a Daytona State 2.0 GPA and meet the Daytona State College residency requirements (see below).

Students graduating from a vocational certificate program must have earned a 2.0 GPA in their program specific classes and meet the Daytona State College residency requirements (see below).

Grade forgiveness applies when students repeat the same course in which they earned a "D" or "F" grade. The earned grade from the most recent attempt will be used in the calculation of GPA and graduation requirements. (A subsequent "W" grade will not replace an earned grade.) Students may not repeat the same course to improve a "C" grade or better.

Courses in Residency

The Daytona State College residency requirements are an overall 25 percent of degree requirements, 25 percent of program specific classes, a cumulative 2.0 GPA, and a Daytona State 2.0 of GPA. For bachelor's degree students, in addition to meeting the 25 percent overall residency requirement, a minimum of 25 percent of the upper level program-specific credits must be completed at Daytona State College.

For instance, if your bachelor's degree program requires 42 upper level program specific credits, at least 10.5 of these must be completed at Daytona State, or if your bachelor's program requires 60 upper level program specific credits, at least 15 of these must be completed at Daytona State.

In addition, students can only earn a maximum of 25 percent of degree requirements through experiential learning, i.e. APLE Credits earned by active US military members are excluded from this requirement.

Transfer Students - General Education Requirements:

Once the student's transfer credit evaluation is completed, an email is sent to the FalconMail address and the transfer credit summary report will be available online at the Records section of their FalconNet account. The college will include on the Daytona State College transcript all courses and grades that were attempted at a prior college except for the following:

courses that meet the Academic Second Chance provisions
courses that were taken at an upper (junior, senior etc.) level for which there is no comparable Daytona State College courses
courses completed at a non-accredited college for which instructor qualifications and syllabus are not received.

The regional accreditation agencies are:

New England Association of Schools and Colleges, Commission on Institutions of Higher Learning;
Middle States Association of Colleges and Secondary Schools, Commission on Higher Education;
North Central Association of Colleges and Schools;
Northwest Commission on Colleges and Universities;
Southern Association of Colleges and Schools, Commission on Colleges;
Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Accrediting Commission for Junior Colleges

Grades received at prior colleges will be included in the cumulative grade point average, except for developmental courses.

Students transferring to Daytona State College who have earned an associate of arts degree from a Florida public college or a baccalaureate degree or higher from regionally accredited U.S. institution at the time the degree was earned are deemed to have met the General Education requirements for degree programs at Daytona State College, and also qualify for an exemption from the college placement tests. Specific majors may still require the completion of specified course requirements or prerequisites. Transfer students, however, must meet prerequisite requirements for all courses in which they are enrolled.

Second Associate of Arts Degree

Students who transfer to Daytona State College, or who have previously earned an associate of arts or baccalaureate degree from another college, are not normally allowed acceptance to the AA program. The only exception to this policy would be for a student whose transcript evaluation indicates that at least 15 credits (including the foreign language requirement) are needed to meet our AA degree requirements, indicating that the prior education is not comparable. Students transferring with a prior degree, AA or higher, are not allowed enrollment in the AA program to rehabilitate their GPA or to meet university prerequisites. Students with a prior AA degree or higher are encouraged to enroll as non-matriculated students and take courses that meet their personal and career goals. Normally, a non-matriculated student is not eligible for student financial assistance, but non-matriculated students who are taking specific prerequisite courses for a Daytona State College limited access program will be eligible for student loans.

Transfer Credits from Non-Regionally Accredited Institutions

Credits from non-regionally accredited institutions, including all foreign colleges, are evaluated on a course-by-course basis by departmental review. Supporting documentation is required to validate the transfer of courses to insure they are academically equivalent to courses offered at Daytona State College, including equivalency of faculty credentials. Students must submit official transcripts to the Admissions Office and the documentation for credit to be considered. Contact the Records Office for further information.

Foreign Language Requirements

Completion of two years of the same foreign language in high school or eight college semester credits of the same foreign language or in American Sign Language at the level of ASL 2140/2140L or above. Foreign and sign language courses satisfy elective credits toward the AA degree. All AA and bachelor's degree recipients must meet the foreign language requirement.

Graduation Application

Submit an application for graduation. The graduation application is completed online in FalconNet under Records. This will entitle the graduate to a diploma, if qualified, and to participate in the commencement ceremonies. Daytona State reserves the right to certify students as graduates/completers once they have completed all requirements for the degree or certificate, regardless if they have completed an application for graduation. Students who do not complete the graduation application process will not receive a diploma or have the degree or certificate earned statement on their official transcript. Completers are no longer eligible to receive student financial assistance.

Graduation applications can be filed at any time, but certain deadlines will apply for inclusion in the commencement booklet.

Students who complete all degree requirements are no longer eligible to receive student financial assistance for their current degree program.

Students not meeting graduation requirements must reapply for the new term/ semester for which they are applying.

Fulfill all financial and other obligations to the college before receiving their degree or certificate.

Commencement ceremonies for degree, certificate and adult education candidates are held in May. Students who complete graduation requirements in the fall and/or spring semester, or who have applied for graduation at the end of the summer semester, are encouraged to participate in commencement ceremonies in May. The Records Office will inform students of the date and time for the ceremony for their degree level.

Students are responsible for determining if they have fulfilled graduation requirements. A Degree Audit is available on FalconNet online student services. We encourage all students to run a degree audit before applying for graduation. Assistance can be obtained from the Academic Advising Office for AA graduates, and from the academic department for career/occupational programs. Students may be permitted to substitute requirements upon completion of a substitution form signed by the appropriate program manager/program chairperson and Dean/AVP if it is determined that the substitution does not substantially alter the program and is in the student's best interest.

Students typically follow the degree requirements as listed in the catalog for the year in which they began enrollment as a degree seeking student. If a student misses two or more consecutive major semesters (fall or spring) a student must be readmitted to the college and their catalog year will be updated for advising purposes. However, students may request to use the graduation

requirements in effect the year they entered the college as a degree seeking student, or any year in which they were enrolled if the requirements have changed.

Limited Access Programs Placement Tests

Certain limited access programs require additional tests for admission. These include:

Test of Essential Academic Skills (TEAS) - The Nursing Associate Degree and the Practical Nursing Vocational Certificate programs require successful completion of the Test of Essential Academic Skills (TEAS) prior to admission to the program. TEAS scores are valid for three years. Contact Assessment Services on any campus for testing schedules and test fee information.

Basic Abilities Tests - The Law Enforcement Recruit Training and Correctional Officer Recruit Training programs require successful completion of a Basic Abilities Test prior to admission to the program. The state of Florida has approved the Criminal Justice Basic Abilities Test (CJ-BAT), and Daytona State College offers the CJ-BAT for entry into the Law Enforcement and Correctional Officer Recruit Training programs. CJBAT scores are valid for two years. Contact Assessment Services on the Daytona Beach Campus for testing schedules and fee information.

Placement Tests and Exemptions

If you are a new student admitted to a degree or certificate program, you are required to take a placement test unless you meet one of the exemptions listed below. The results will help with your placement into appropriate courses to ensure your academic success. Placement instruments are not used for admission to the college; although, they may be used as a guide for admission to certain limited access programs. There are two types of assessment instruments for general admission to the college: the Postsecondary Education Readiness Test (P.E.R.T.) and the Test of Adult Basic Education (TABE). Both measure reading, math and language skills. The placement test for degree programs (AA, AS and BAS) and business or computer related college credit certificates is the P.E.R.T. The placement test for vocational certificate programs and the EMT and Paramedic certificate programs is the TABE. All placement tests and tests used for exemption to the placement tests are valid for two years.

Exemptions to the Placement Tests:
Postsecondary Education Readiness (P.E.R.T.) - You are not required to take the related portions of the test if the following conditions are met:

> SAT scores of 440 or above on critical reading or 440 or above on math for placement into Intermediate Algebra (MAT 1033), or 500 or above on math for placement into College Algebra (MAC 1105)
> ACT scores of 18 or above on the reading or 17 or above on English or 19 or above on math for placement into Intermediate Algebra (MAT 1033), or 21 or above on math for placement into College Algebra (MAC 1105)
> Accuplacer (CPT) scores of 83 or above on both the reading and language or for math 85 or above on arithmetic and 72 or above on the elementary algebra.
> Proof of successful completion of the equivalent of ENC 1101 (College Composition) or MAT 1033 (Intermediate Algebra) at another college

Test of Adult Basic Education - You are not required to take the related portions of the test if the following conditions are met:

> SAT scores of 440 or above on critical reading, or 440 or above on math
> ACT scores of 18 or above on the reading, or 17 or above on English or 19 or above on math
> P.E.R.T. scores of 104 or above on the reading, or 99 or above on the writing, or 113 or above on the math.
> Accuplacer(CPT) scores of 83 or above on the reading, or 83 or above on the sentence skills or 72 or above on the elementary algebra
> You already have an Associate in Applied Science degree or higher.

Daytona State College Foundation Scholarships

Since 1974, the Daytona State College Foundation has provided financial assistance to students as well as funding for faculty and program support. It helps to fill the critical needs that are beyond the scope of the College's budget.

Each year the Foundation awards hundreds of scholarships to Daytona State College students. Scholarships may be awarded based on need, academic merit or other criteria. In addition to scholarships, the Foundation assists students with emergency grants, emergency loans, book and equipment purchase assistance, and funds to cover professional examination fees.

The Foundation embraces the concept of the college mission as adopted by the District Board of Trustees. Management of Foundation affairs is vested with a self-perpetuating Board of Directors from the community that the College serves.

Daytona State College Foundation scholarships are usually announced at the beginning of the fall, spring, and summer semesters. When available, the scholarship list and online application process can be obtained at www.daytonastate.edu/scholarships or at the Financial Aid Services Office located on the Daytona Beach Campus in Bldg. 100, Rm. 104. Additionally, information regarding Foundation Scholarships is available in the Question & Answer Centers located on all Daytona State campuses.

For additional scholarship information, please call (386) 506-4422.

Financial Aid Eligibility Requirements

In general, to be considered eligible to apply for financial aid a student must:

Be a United States citizen or an eligible non-citizen

Be enrolled as at least a half-time student. (Half-time enrollment is a minimum of six credits in coursework leading to a degree or certificate, and therefore excludes audited classes.) Fall or spring semester enrollment in a program of study abroad which has been approved by Daytona State College will be considered enrolled at Daytona State for the purpose of applying for federal aid

Be accepted at Daytona State as a "regular" student, defined as one who is pursuing an AA, AAS, AS, BAS, or BS degree, or an approved vocational certificate

Be enrolled in an eligible program of study, and be enrolled in courses required by that program. Eligible programs are post-secondary programs which lead to an AA, AAS, AS, BAS, or BS degree or an approved vocational certificate

Be making progress toward completion of courses of study in compliance with Financial Aid Satisfactory Academic Progress Standards

Not be in default on a loan or owe a repayment on any previous financial aid received

Be registered with the Selective Service if required to do so

Have a standard high school diploma or GED. (The transcript must be submitted to the Admissions Office.) Some vocational certificate programs may accept passing scores achieved on a federally approved test administered by the College in lieu of the high school diploma or GED requirements. This test measures the student's ability to benefit from the instruction offered

Have a valid Social Security number.

Emergency Loans

An Emergency Loan (advance of student financial assistance) may be available in a crisis situation for a student who is approved for and awarded financial aid funds that exceed the total cost (tuition, books, fees, etc.) to enroll in classes at Daytona State College. However, it must be determined that the student is eligible to receive the funds, based on enrollment status and class start date. The advance request will be considered if there has been an unforeseen delay in the student's disbursement based upon normal award and disbursement guidelines having been met. An emergency loan can be requested only once during enrollment at the college.

To be considered for an emergency loan, the student must be experiencing an unexpected financial hardship that has a direct impact on the student's ability to function in the classroom. Such financial hardships may include foreclosures, documented disconnection of utility services or residential evictions. In all cases, the advance will be made to the third party. An emergency loan may be requested to purchase required equipment and supplies for classes that are not obtainable in the Daytona State College bookstore. Likewise, an emergency loan may be requested to cover a student's licensure examination fee, which must be scheduled prior to the student's graduation from Daytona State.

Emergency loans are not approved automatically and are reviewed on an individual student-by-student basis. Students requesting an emergency loan should visit the Financial Aid Services office located on the Daytona Beach campus in Building 100, Room 104 to begin the application process. For additional information or questions, please contact 386-506-3013.

Full-Time College Credit Budget

Direct Educational Costs (Estimated)		
	In-State	**Out-of-State**
Tuition (24 college credits)	* $2,278	* $8,590
Indirect Educational Costs (Estimated)		
Books & Supplies	$900	$900
Room & Board	$2,128 (dependent)	$2,128 (dependent)
	$10,000 (independent)	$10,000 (independent)
Personal	$1,624 dependent	$1,624 dependent
	$1,600 independent	$1,600 independent
Transportation	$1,000 dependent	$1,000 dependent
	$1,800 independent	$1,800 independent
Total Budget	$7,930 (dependent)	$14,242 (dependent)
	$16,578 (independent)	$22,890 (independent)

Some programs of study have additional costs. Please refer to the Program Descriptions.

Please note: Daytona State College does not provide residence halls.

Please note: Tuition for in-state BAS Students: $2,525*; out-of-state BAS: $14,511*

*Based on 2010-2011 rates. The 2011-2012 rates may increase due to legislative action and/or District Board of Trustees action.

Full-time Vocational Credit Budget

Direct Educational Costs (Estimated)		
	In-State	**Out-of-State**
Tuition (24 vocational credits) *	$1,868*	$7,476*
Indirect Educational Costs (Estimated)		
Books & Supplies	$900	$900
Room & Board	$2,128 (dependent)	$2,128 (dependent)
	$10,000 (independent)	$10,000 (independent)
Personal	$1,624 dependent	$1,624 dependent
	$1,600 independent	$1,600 independent
Transportation	$1,000 dependent	$1,000 dependent
	$1,800 independent	$1,800 independent
Total Budget	$7,520 (dependent)	$13,128 (dependent)
	$16,168 (independent)	$21,776 (independent)

Some programs of study have additional costs. Please refer to the Program Descriptions.

Please note: Daytona State College does not provide residence halls.

*Based on 2010-2011 rates. The 2011-2012 rates may increase due to legislative action and/or District Board of Trustees action.

How are Awards Disbursed?

Eligible financial aid recipients may register for classes and charge tuition and fees against the scholarship or grant amount indicated on the financial aid award notice for the applicable semester. If the scholarship or grant is more than the total amount of tuition and fees, the remainder may be used for other educational expenses. A refund for the remainder of the award(s) will not be available until after the refund period has passed and enrollment verification has been completed each semester. If, after receiving a refund, a student's class is canceled or changed to an audit or the student is dropped from a class, the student will owe back a portion of the refund applicable to the change in enrollment.

Refunds are delivered to students by utilizing the Daytona State OneCard. Each registered Daytona State student will receive a Daytona State OneCard. The card will arrive in the mail at the student's primary address on file with the College. To receive the refund, the student must activate the Daytona State OneCard. During card activation, the student chooses how to receive the refund money.

The options for receiving financial aid refunds include: a direct deposit to the student's Daytona State OneCard, or a deposit to the student's bank of choice. For more information on the Daytona State OneCard go to www.daytonastate.edu/studentaccounts/onecard

Students activate the Daytona State OneCard and make the refund selection online at http://www.daytonastateone.com.

Refunds are applicable to scholarships, grants, Federal Direct Loans and Federal Direct Parent PLUS Loans.

Please Note: Institutional fee waivers are issued for tuition only and may not be used for other educational expenses. Any funds not used as tuition will not be refunded to the student. A Federal Work-Study award cannot be used to charge fees.

Federal Direct Loans and Federal Direct Parent PLUS Loans are disbursed electronically directly to the student's account. Please note, per federal regulations, the earliest date a loan may be disbursed to a student who has not completed a minimum of 30 credits in his or her current course of study at Daytona State is 30 days after the first day of classes. Additionally, all first-time borrowers at Daytona State must complete loan entrance counseling before their loan proceeds may be disbursed. Loan entrance counseling can be completed online at http://www.studentloans.gov

A student attending both fall and spring semesters will receive one disbursement of one-half of the total loan proceeds per semester (as long as a minimum of half-time [six credits] enrollment is maintained). A student attending one semester (fall or spring) will receive the loan proceeds of one-half of the total loan amount in two disbursements. Per Federal regulations, the second half of the loan may not be disbursed until a minimum of one-half of the semester has elapsed. A loan disbursement will not be made after a student ceases to be enrolled in at least six credit hours.

A student's eligibility for financial aid is partially based on enrollment status as well as the start date of classes. Students should be aware that certain courses may have staggered or irregular start dates that are not the same as the beginning of the standard semester. Students enrolled in these courses are not eligible to receive financial aid funds until the classes are in progress and enrollment can be verified

How Need is Determined

When a student applies for financial assistance by completing the Free Application for Federal Student Aid (FAFSA), the information the student reports is used in a formula established by the U.S. Congress. The formula determines the student's Expected Family Contribution (EFC). This EFC is an amount that the student (and spouse, if the student is married) or the student (and parents, if the student is dependent) is expected to contribute to the student's education. The EFC is subtracted from the student's cost of attendance. A student is considered to have financial need if the EFC is less than the cost of attendance.

The cost of attendance is determined by Daytona State College using rules established by the U.S. Congress. The cost of attendance includes the student's tuition and fees based upon the student's enrollment status. Please note that when determining enrollment status, audited courses are not taken into consideration since no credit toward a degree or certificate is received.

In determining a student's eligibility for aid from the federal student financial assistance programs and from state need-based assistance programs, Daytona State College must first consider other aid the student is expected to receive. If the student is eligible to receive financial aid, the student will be sent an official financial aid award letter, which lists the types of aid being offered for the academic year. This is the student's financial aid package. Students can also view their financial aid award through FalconNet.

How Does a Student Apply for Financial Aid

Applying for financial aid is not as complicated as you may think! The important thing to remember is to take it one step at a time. The process consists of completing the appropriate applications and submitting requested documentation to the Financial Aid Services Office. To be considered for financial aid at Daytona State College, a student must do the following:

Complete the Free Application for Federal Student Aid (FAFSA). Indicate that you are planning to attend Daytona State College on the FAFSA. Daytona State College's Title IV School Code is 001475. This application is required to determine eligibility for all sources of federal financial aid. (Please note, the accurate FAFSA results must be received by the Financial Aid Services Office prior to your last day of attendance at Daytona State.) The FAFSA is available on the Web at www.fafsa.gov. The FAFSA should be completed at least six weeks prior to the beginning of the semester.

In addition, a student will be required to supply further documentation if the student's financial aid application is selected for verification. Verification is the required federal process of checking the accuracy of the information supplied on the FASFA. Selection is based on the guidelines set up by the U.S. Department of Education. If selected for verification, the Financial Aid Services Office will send information regarding what additional information must be submitted (such as signed federal tax returns). This information is also available on the web through FalconNet. Verification must be completed within 120 days after a student's last day of attendance, but not later than August 31, 2012. Verification is completed when all required documents are received and when Daytona State College has received a valid processed FAFSA. The valid processed FAFSA must be received while the student is enrolled for the award year, but no later than August 31,2012.

Standards of Satisfactory Progress

Financial Aid Satisfactory Academic Progress Policy

The following policy will be in effect for all periods of enrollment following the Spring 2011 semester, and will update the current Financial Aid Satisfactory Academic Progress policy in order to meet recently approved U.S. Department of Education regulations. The new policy is more detailed and requires a semester by semester review, including summer. All current students, even those who may have been making satisfactory academic progress under the old policy, will be required to be reviewed using the new policy. The terms "warning" and "probation" are now for the first time defined in the federal regulations.

Good Standing

To be in good standing you must satisfy all of the following elements of the policy:

Successful Completion Ratio: Earn 67% or above of cumulative credits attempted, combining all Daytona State College attempted credits and all attempted transfer credits added to the Daytona State College transcript (including all developmental/remedial credits); v Cumulative Grade Point Average: Earn a cumulative grade point average (cum GPA) of a 2.0 or above (including developmental college credits and transfer credits added to the Daytona State College transcript), with the exception of the BS in Education degree. Students in the BS in Education degree must earn a cum GPA of a 2.5 or above (including developmental/remedial college credits and all transfer credits added to the Daytona State College transcript);

Maximum Time Frame: Graduate within 150% of the normal length for the student's program, including all Daytona State attempted credits and all transfer attempted credits added to the Daytona State College transcript. [For Associate degree programs, a maximum of 90 attempted credits; for Bachelor degree programs, a maximum of 180 attempted credits; for certificate programs, 150% of the published length of the certificate program. Students will also be suspended as soon as it is determined to be mathematically not possible to graduate within the 150% timeframe, not when the 150% timeframe is reached.]

Successful Completion Rate

This standard requires students to successfully complete (with letter grade of A, B+, B, C+, C, D+, D) a minimum of 67 percent of the total number of credits attempted. [For example, if you have attempted a total of 30 credits, you must successfully complete 20 credits with a cum 2.0 or above. (30 credits x .67 = 20 credits successfully completed)] Attempted credits include all credits in which you are registered at the end of the add/drop period. Letter grades of F, W, I , SP or IP will not be considered as credits successfully completed or earned. Students who repeat a course for any reason should be aware that each time you enroll in a course it counts as an attempt, but only one attempt is considered earned. Repeated courses will have an impact on your ability to complete your program within the required maximum time frame.

Cumulative Grade Point Average (cum GPA)

You are required to maintain a minimum cumulative grade point average of 2.0 (C grade). Students in the BS in Education degree must maintain a minimum cumulative grade point average of 2.5. Refer to the College catalog for more information regarding grading policies.

Maximum Credit Review/Pace

Under this standard, students must complete their degree or certificate within 150% of the program length, including all Daytona State attempted credits and all attempted transfer credits on the Daytona State College transcript. All attempted credits, including incomplete grades and repeats, are counted toward the 150 percent maximum time frame. The only exception to this is all ESL courses and non-credit courses.

If you exceed the maximum number of credits, students are no longer eligible to receive financial aid unless a one-time appeal is approved. The appeal for exceeding the maximum credit review must include a degree check-down from an advisor indicating the courses and credits required to complete your degree or certificate program.

If approved for an appeal for exceeding 150% of the program length, it will be a one-time only appeal for the degree or certificate

program for which the appeal was based. If the appeal is approved, the student would be eligible for a specific number of attempted credits, and cannot change majors. Students must successfully complete all classes attempted each semester, enrolling only in classes required for the approved major. Students who do not comply with these terms will be suspended. All attempted credits, including incomplete grades and repeats, are counted toward the 150% maximum time frame. Once the number of approved attempted credits is exceeded, the student will no longer be eligible for financial aid. If the student changes to another major, degree, or certificate program and has not completed the degree or certificate program for which the appeal was approved, the student will no longer be eligible for financial aid and will not be considered for another appeal for maximum credit.

Students who change their education program or graduate and reapply to a new program must still adhere to the maximum credit policy. In other words, all of your previous Daytona State attempted credits and all attempted transfer credits will count towards the 150% time frame. Consideration will be given to students completing a second degree or certificate.

Financial Aid Warning

A student will be placed on Warning the first time the first two Good Standing requirements are not met (a student who is not meeting the requirement to graduate within 150% of the program length will be suspended). Students can continue to receive financial aid while on Warning, even though they are not in Good Standing, with the understanding that all the Good Standing criteria must be met at the end of the Warning term or they will be suspended.

Financial Aid Suspension

A student who is not in Good Standing after the warning period will be ineligible for financial aid (suspended). Financial aid (which includes grants, loans, and work-study) cannot be received once suspension occurs. An appeal of suspension is allowed, and will be approved only in the cases of a documented exceptional personal circumstance beyond the control of the student. The first time a student is suspended and an appeal is approved for not meeting the overall completion rate and/or not earning the required cum GPA, the status will be changed to Probation. As part of the Probation process, the student is required to agree to, and sign, an Academic Plan. Students may also be required to obtain the signature of an Academic Advisor on their Academic Plan. If the terms of Probation and the Academic Plan are not met, this will result in a final suspension.

Financial Aid Probation/Academic Plan

If the student's appeal of suspension for not meeting the overall completion rate and/or not earning the required cum GPA is approved, the status of Probation is given for the next period of enrollment for a one final opportunity to demonstrate satisfactory academic progress. As part of the Probation process, the student is required to agree to an Academic Plan. Students can continue to receive financial aid while on probation and the academic plan, even though they are not in Good Standing. Students on Probation and an academic plan will be reviewed at the end of the Probation semester to determine if they have returned to Good Standing. If, at the end of the Probation semester, they have not returned to Good Standing, but have met the requirements of the Academic Plan, they will continue on Probation and the Academic Plan for the subsequent semester of enrollment.

As part of probation status, students will be required to agree to, and sign, an Academic Plan as designated by the college. The requirements of the Academic Plan will vary depending on your specific academic history:

In general, students who have attempted 36 or more credits towards an Associate degree, or 96 or more credits towards a Bachelor degree, and are approved for Probation may be required to successfully earn 100% of all future credits attempted and earn a 2.0 GPA in each subsequent semester of enrollment until they return to Good Standing.

In general, students who have attempted less than 36 credits towards and Associate degree, or less than 96 credits towards a Bachelor degree, and are approved for Probation may be required to successfully earn at least 67% of all credits attempted and earn a 2.0 GPA in the immediate next semester of enrollment, and then required to earn 100% of all future credits attempted and earn a 2.0 GPA in each subsequent semester of enrollment until they return to Good Standing. If at the time of Probation being awarded, students have not completed the Developmental Course sequence required by the College, they will be limited to 8 credits of enrollment in the immediate next semester and must enroll in at least one of the Developmental classes still outstanding. Students must successfully complete 100% of classes attempted and earn a 2.0 GPA during that semester. If all classes are successfully earned with a 2.0 GPA, then Probation will be continued and the student will be required to successfully earn 100% of all future credits attempted and earn a 2.0 GPA in each subsequent semester of enrollment until they return to Good Standing.

The Office of Financial Aid will assign the appropriate Probation and Academic Plan based upon a review of each student's specific academic history. Students enrolled in Certificate programs will be assigned an Academic Plan that meets the pace requirements required by the U.S. Department of Education.

The Academic Plan will have to be signed and returned by the student prior to the reinstatement of financial aid, and those students still needing to take Developmental classes will need to have an Academic Advisor also sign the Academic Plan.

Students will not be allowed to change majors while on an Academic Plan. Therefore, if a change of major is contemplated, it must be done in conjunction with the signing of the original Academic Plan.

The college reserves the right to conduct an Administrative Review on a case-by-case basis if an appeal is denied, or when a student fails to meet the requirements of Probation and the Academic Plan if there was a significant one-time unanticipated life changing event while on the Academic Plan causing the student to withdraw or fail classes during a probationary semester. Request for an Administrative Review should be sent to the Financial Aid Services Office.

Reinstatement from Suspension

Students who fail to maintain successful completion rate and/or cum GPA as outlined on their Academic Plan will be suspended from future financial aid and must return to Good Standing prior to being eligible to receive financial aid in a future semester. Based upon the number of credits attempted and grades received, this could mean a student suspended would have to pay for a year or two of classes before aid could be received again. (Please note: Reinstatement does not pertain to the suspension for exceeding the maximum credit review.)

Repeated Courses

When repeating a course, students may receive financial aid for a course if the previous grade was an F or W. (Please note: For vocational courses, a student may not receive a federal Pell Grant for repeated courses.) In addition, students may also receive financial aid for a repeated course if the initial grade earned does not meet the pre-requisite requirement for the next course in the sequence. Students may only receive financial aid for a repeated course once.

Developmental/Remedial Courses

A student may receive financial aid for a maximum of 30 attempted developmental credits. After the student has attempted 30 developmental/remedial credits, any additional developmental/remedial credits taken by the student will not be included in determining the enrollment status of the student for financial aid.

Non-Credit Courses

These courses are not eligible for Title IV assistance and do not satisfy requirements of any Title IV eligible academic program. As such they are not considered in the Standards of Satisfactory Academic Progress.

Prior Baccalaureate Degree

Students who have completed a baccalaureate or professional degree from an institution, regardless of whether the institution is unaccredited or a foreign school, are not eligible for federal or state grant funds. It does not matter whether the degree is accepted or recognized by Daytona State College.

Student Employment

The Financial Aid Services Office provides employment assistance to currently enrolled Daytona State College students and provides employment verifications. The Student Employment Coordinator collaborates with faculty, staff and employers in providing federal work-study, institutional work-study, community service and other eligible work-based programs. The Financial Aid Services Office is located on the Daytona Beach Campus in Bldg. 100, Rm. 104. The Student Employment Coordinator may be reached at (386) 506-3023.

Federal Work-Study (FWS) - The Federal Work-Study program is a federally-funded, need-based employment program available to Daytona State students. Eligibility is based on the student's financial need as determined by the Free Application for Federal Student Aid (FAFSA). For student employment opportunities...Click here!

Jobs are located at all of the college's campuses.

Community Service (FWS) - Community service Federal Work-Study is a federally-funded, need-based employment program available to Daytona State students. Eligibility is based on the student's financial need as determined by the FAFSA. These jobs can be located on or off-campus in a non-profit organization.

Community Service "Tutors" (FWS) - Community service is a federally-funded, need-based employment program available to Daytona State students. Students work as reading or math tutors. The tutors assist children to develop reading or mathematics skills. Such skills are necessary for the children's education and for future employment. Eligibility is based on the student's financial need as determined by the FAFSA. These jobs can be located on or off-campus.

Institutional Work-Study (IWS) - The Institutional Work-Study program is funded by Daytona State. Students do not have to apply for or be eligible for financial aid to secure a job. These jobs are located on campus. For student employment opportunities...Click here!

Florida Work Experience Program (FWEP) - The Florida Work Experience Program is a need-based program funded by the state of Florida. The purpose of the program is to introduce eligible students to work experience that will complement and reinforce their educational program and career goals, and provide a self-help student aid program. Eligibility is based on the student's financial need as determined by the FAFSA. Students must enroll for a minimum of six credit hours and meet Florida's residency requirement. Participating in the Florida Work Experience Program is an initial stepping-stone to building your employment history. These jobs can be located on or off-campus.

Rights and Responsibilities of Financial Aid Recipients

As consumers, students have a right to:

Be informed of the correct procedures for applying for aid, cost of attendance, types of aid available, how financial need is determined, criteria for awarding aid, how academic progress is determined, and what must be done to continue receiving aid
Be informed of the type and amount of assistance the student will receive, and how and when the student will receive the aid
View the contents of the student's financial aid file, in accordance with the Family Educational Rights and Privacy Act
Know the conditions of any loan.

It is the student's responsibility to:

Complete application materials correctly and submit them on time
Read all materials sent from the Financial Aid Office and all agencies awarding aid, read, understand and keep copies of all forms the student signs
Know and comply with the rules governing the aid received
Provide additional documentation, verification, corrections and/or any new information the Financial Aid Office requests
Comply with the provisions of any promissory note and all other agreements signed
Use financial aid only for expenses related to attending the College
Maintain satisfactory academic progress
Notify the Financial Aid Office of any resources not considered during the original need analysis and aid not listed on the award letter
Keep local and permanent addresses current at the Records Office.

Student Withdrawal and Federal Requirements

This policy applies only to students who receive Federal student financial assistance under Title IV of the Higher Education Act. Types of assistance are the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Teacher Education Assistance for College and Higher Education Grant (TEACH); Federal Direct Loan (subsidized and unsubsidized), and Federal Direct Parent PLUS Loan. A student who withdrawals from or stops attending all courses prior to completion of more than 60 percent of the semester will be required to repay all or a percentage of the federal aid received. This may result in the student owing a balance to the College and/or the federal government. Unpaid balances will result in a hold on the student's records, diplomas, transcripts, and future registration activity. Furthermore, these debts may be referred to an outside collection agency and to appropriate credit bureaus. Resulting collection costs will be added to the original debt and the student must pay these costs, as well as attorney's fees, if applicable. More detailed information is available upon request from the Financial Aid Services Office.

Types of Financial Aid

Financial aid is available in the form of grants, scholarships, work-study and loans. Grants are usually based on financial need and do not have to be repaid. Scholarships are usually awarded for academic merit or achievement and do not have to be repaid. Work-study positions are jobs that enable students to earn funds to assist with educational expenses. Loans usually must be repaid in cash. Student loan programs have varying rates and repayment provisions.

The Free Application for Federal Student Aid (FAFSA) must be completed to apply for all need-based federal, state and institutional sources of financial aid.

In general, students must be enrolled at least half-time to receive financial aid. However, some aid programs require students to enroll in and maintain full-time status. The following are the major financial aid programs that Daytona State's Financial Aid Services Office administers:

A. Grants

Federal Pell Grant - Funded by the federal government, this need-based grant is designated for undergraduate students working toward a first bachelor's degree. The amount of grant a student is eligible to receive is determined by the cost of attendance, the Expected Family Contribution (EFC), the length of the program of study and the student's enrollment status. The cost of attendance includes such items as tuition, fees, books and supplies. The EFC is derived from the information supplied by the student on the FAFSA. Eligible students enrolled in a program of study that is less than 30 weeks per academic year (fall and spring semesters) will receive a prorated Pell award. Eligible students enrolled in a program of study that is less than 24 college credits or less than 30 vocational credits (900 clock hours) per academic year (fall and spring semesters) will receive a prorated Pell award. For Pell Grant awarding purposes (applicable to college credits), 12 college credits per semester is considered full-time enrollment; 9-11 college credits per semester is considered three-quarter time enrollment; six to eight college credits per semester is considered half-time enrollment; and one to five college credits per semester is considered less than half-time enrollment. For Pell Grant awarding purposes (applicable to vocational credits), 15 vocational credits (450 clock hours) per semester is considered full-time enrollment. The full-time award is prorated for all vocational credits less than 450 clock hours.

Pell Grants range from $400-$5,500 for full-time attendance during an academic year. (For Pell Grant purposes, an academic year consists of 30 weeks during which a student may complete 24 college credits or 30 vocational credits [900 clock hours]).

Federal Supplemental Educational Opportunity Grant (FSEOG) - Funded by the federal government, this need-based grant is designated for undergraduate students working toward a first bachelor's degree. Eligibility is based on exceptional financial need. The maximum grant per semester at Daytona State may be $500. Funds are limited.

Florida Student Assistance Grant (FSAG) - Funded by the state, this need-based grant is designed for eligible Florida residents enrolled in college credit degree programs working toward a first bachelor degree. Award levels are based on state appropriations and vary each year. Specific renewal requirements must be met. Funds are limited.

Renewal Requirements for FSAG

> Must have a 2.0 cumulative GPA. (Only college credit courses are calculated in the GPA; remedial classes are excluded.)
> Full- time students must have successfully completed 12 credit hours for each semester for which an award was received;
> Three-quarter time students must have successfully completed nine credit hours for each semester for which an award was received;
> Half-time students must have successfully completed six credit hours for each semester for which an award was received;
> May receive an award of up to nine semesters within a period of six consecutive years after receipt of the first FSAG award

Daytona State Need Grant - Funded by the College, this need-based grant is designated for undergraduate students who have not previously completed a baccalaureate or professional degree and who are pursuing the AA, AAS, AS, BAS or BS degree or

eligible college credit certificate programs. Eligibility is based on financial need. The maximum grant per semester is $1,000. Funds are limited.

Daytona State Vocational Need Grant - Funded by the College, this need-based grant is designated for undergraduate students who have not previously completed a baccalaureate or professional degree and who are enrolled in an eligible post-secondary adult vocational certificate program. Eligibility is based on financial need. The maximum grant per semester is $1,000. Funds are limited.

Bureau of Indian Affairs (BIA) Higher Education Grants - Funded by the U.S. BIA. These funds are available to students pursuing the AA degree who demonstrate need. Eligible students must be members of, or at least one-quarter degree Indian Blood descendent of members of a federally recognized American Indian tribe that is served by BIA.

For more information contact BIA at (202) 208-3710 or visit the Web site at http://www.doi.gov/bureau-indian-affairs.html

B. Scholarships

Air Force Scholarships - ROTC - The USAF offers ROTC academic scholarships to students who meet specific requirements. These scholarships cover the cost of tuition and books, plus provide the student $250 tax free subsistence allowance per month. For more information contact AF ROTC, Embry-Riddle Aeronautical University, 600 S. Clyde Morris Boulevard, Daytona Beach, Florida 32114-3900 or call (386) 226- 6880.

Athletic Scholarships - Daytona State offers a limited number of scholarships to students who are participating in specified activities through the Athletic Department. Students must enroll full-time in a program leading to an AA, AAS, AS,BAS, or BS degree, and follow the Standards of Progress. Students must complete the FAFSA. The Athletic Department determines which students are eligible for the scholarship. The amount of the scholarship varies each year.

Performing Arts Scholarships - These fee waivers will pay a portion of a student's tuition for classes in the areas of music, drama or dance. Fee waivers are awarded on a semester-by-semester basis, pending availability of funds. The performing arts department determines which students are eligible. The amount varies each year.

SGA Scholarship - Daytona State offers a limited number of scholarships to students who are participating in the Student Government Association. Students must complete the FAFSA. The Assistant Dean of Student Activities determines which students are eligible for the scholarship. The scholarship amount varies with each position. Funds are limited.

Publication Scholarship - Daytona State offers a limited number of scholarships to students who are participating in student publications. Students must complete the FAFSA. The Assistant Dean of Student Activities determines which students are eligible for the scholarship. The scholarship amount varies with each position. Funds are limited.

Activities Scholarship - Daytona State offers a limited number of scholarships to students who are participating in cheerleading. The Assistant Dean of Student Activities determines which students are eligible for the scholarship. The scholarship amount varies. Funds are limited.

Florida Bright Futures Scholarship Program - Funded by the Florida Lottery, scholarships are awarded to Florida high school graduates who demonstrate high academic achievement. This scholarship program has three award levels - the Florida Academic Scholars Award, the Florida Medallion Scholars Award, and the Florida Gold Seal Vocational Scholars Award. Applications, application deadlines, eligibility criteria and award amounts are available from high school guidance counselors. Students must be enrolled in a minimum of six college credits for fall and/or spring. Specific renewal requirements must be met.

Daytona State College Foundation Scholarships - The Daytona State College Foundation provides scholarships, grants and loans to students who might otherwise not be able to afford a college education. The Foundation offers scholarships that have been established by outside donors. Listings of these scholarships, with their own specific criteria as established by the donors, are available each semester and are posted on the Daytona State Web site. (http://daytonastate.edu/finaid/). The Financial Aid Services Office is located in Bldg. 100, Rm. 104, on the Daytona Beach Campus. Foundation scholarship lists and online application process are available at the Financial Aid Services Office or at the Question and Answer Centers at each campus. Please contact the Supervisor of Foundation Scholarships at (386) 506-4422 for additional information.

Other State of Florida Programs - Additional scholarship programs such as Seminole/Miccosukee Indian Scholarship and Scholarships for Children of Deceased or Disabled Veterans are available. Students should contact their high school guidance counselors or the Florida Office of Student Financial Assistance for criteria, applications and deadlines.

C. Work

Federal Work-Study (FWS) - The FWS program provides part-time employment to students who have financial need. Students are paid an hourly rate and are placed in jobs on campus or in community service jobs off campus. Work schedules are arranged around the student's class schedule. Students work an average of 20 hours per week. Funds are limited.
For student employment opportunities...Click here!

Institutional Work-Study (IWS) - Daytona State's IWS program provides part-time employment to students. Students are paid an hourly rate and are placed in jobs working on campus. Work schedules are arranged around the student's class schedule. Students work an average of 20 hours per week. Eligibility is not based on need. Funds are limited.
For student employment opportunities...Click here!

Florida Work Experience Program (FWEP) - The Florida Work Experience Program provides eligible Florida students the opportunity to secure part-time work experiences, which are complementary to and reinforce their educational program and career goals. Specific GPA and earned credit hour requirements must be met. FWEP is awarded to students demonstrating need. Funds are limited. Specific renewal requirements must be met.

D. Loans

Loans usually must be repaid in cash. It is important that students budget their money effectively and borrow responsibly. Student loan programs have varying rates and repayment provisions. Loan payments to students are made in two disbursements. A student attending one semester (fall, spring, summer) will receive the loan proceeds of one-half of the total loan amount in two disbursements. A student attending one semester (fall or spring) will receive the loan proceeds of one-half of the total loan amount in two disbursements. Per Federal regulations, the second half of the loan may not be disbursed until a minimum of one-half of the semester has elapsed. A loan disbursement will not be made after a student ceases to be enrolled in at least six credit hours.

The loans available at Daytona State are listed below:

Federal Subsidized Stafford Loan - Federal Subsidized Stafford Loans are made by a lender such as a bank or credit union. Eligibility is based on financial need. The loan's interest rate is 5.6 percent for loans disbursed after July 1, 2009. Students must be enrolled in an eligible program at least half-time. First-year students may be eligible to borrow up to an annual maximum of $3,500. Students who have successfully completed their first year (30 credits) may borrow up to an annual maximum of $4,500.* The maximum loan amount will be reduced utilizing a proportional pro-ration for those academic programs less than 24 college credits or 30 vocational credits (900 clock hours) and/or 30 weeks per academic year (fall and spring semesters). The lender will charge a .5 percent origination fee. The Guarantee Agency may charge a maximum 1 percent loan default fee. Loan repayments generally begin six months after the student graduates, leaves school or drops below half-time enrollment.

*BAS or BS students admitted at the junior or senior status to the program may borrow up to the annual maximum of $5,500.

Federal Unsubsidized Stafford Loans - Federal Unsubsidized Stafford Loans are available for students who do not qualify, in whole or in part, for Subsidized Federal Loans. Students must be enrolled in an eligible program at least half-time. The loan has a fixed interest rate of 6.8 percent. Dependent students may be eligible to borrow an additional $2,000 unsubsidized Stafford Loan per year. Independent students may be eligible to borrow up to an annual maximum of $6,000* in additional Federal Unsubsidized Stafford Loans if remaining eligibility exists. The maximum loan amount will be reduced utilizing a proportional pro-ration for those academic programs less than 24 college credits or 30 vocational credits (900 clock hours) and/or 30 weeks per academic year (fall and spring semester). With few exceptions, the Unsubsidized Loan's terms and conditions are the same as Subsidized Stafford Loans. However, the government does not pay the interest during in-school and deferment periods. The student is responsible for paying the interest. The lender will charge a .5 percent origination fee. The Guarantee Agency may charge a maximum 1 percent loan default fee.

*BAS or BS students admitted at the junior or senior status to the program and determined to be independent may borrow up to the annual maximum of $7,000.

Federal Parent PLUS Loans - Federal Parent PLUS Loans enable parents with good credit histories to borrow for educational expenses of their dependent children. Students must be enrolled in an eligible program at least half time. The loans are made by lenders such as banks or credit unions who charge a 3 percent origination fee. The Guarantee Agency also may collect a loan default fee of 1 percent. The interest rate is fixed at 8.5 percent. Parent PLUS borrowers may borrow up to the cost of education minus any estimated financial assistance the student has been, or will be, awarded for the period of enrollment. Borrowers generally must begin repayment on the loans within 60 days after the funds are disbursed. The borrower may request a deferment

of repayment if the student is enrolled at least half time.

Please Note: When a student accepts a loan as part of his/her award, the student must understand that he/she is incurring a serious financial obligation. The student must repay the loan in full, along with all interest and additional fees (collection, legal, etc.). It is very important that the student realize that loan payments must be made in the future to satisfy this obligation. Students who accept a Stafford Loan while at Daytona State College will be required to complete loan entrance counseling and loan exit counseling to review repayment obligations.

To apply for a federal Stafford Loan, the student must first complete a FAFSA. The student will be notified via the award letter of loan eligibility and must complete a Federal Stafford Master Promissory Note (MPN) each year. Allow approximately four to six weeks from the initial date of the loan application for processing to be completed.

Before borrowing under one or more of the Federal Family Education Loan Programs, investigate the possibility of grant and/or scholarship assistance available from the state of permanent residency. Award amounts and program availability may be subject to change after this information is printed based on federal and state appropriations.

Emergency Loans - Emergency loans are provided by Daytona State to assist students who are experiencing extreme financial hardships that have a direct impact on their ability to function in the classroom. This financial hardship, if not addressed, usually reduces the student's quality of life and that of dependent family members.

Emergency loans are handled by the Financial Aid Services Office. A student may apply for an emergency loan to purchase required course equipment and other supplies that are not available in the Daytona State College bookstore. Also, emergency loans, by referral, are available to pay for a student's licensure examination.

Students requesting emergency loans are asked to complete an application in the Financial Aid Services Office located on the Daytona Campus in Bldg. 100, Rm. 104, or the student may contact the Coordinator of Emergency Loans at (386) 506-3013 for additional information.

Typical Costs Associated with Attending Daytona State College

Most individuals calculate the cost of a college education by the amount of tuition and fees charged plus the cost of books and supplies. These are direct educational expenses. There are, however, indirect educational expenses, such as personal and transportation expenses, for which students will need to budget. Below lead are charts illustrating examples of both in-state and out-of-state budgets for full-time college credit and vocational credit students for one academic year (Fall and Spring Semesters).

Example vocational credit budget

Direct Educational Costs (Estimated)		
	In-State	Out-of-State
Tuition (24 vocational credits) *	$1,868*	$7,476*
Indirect Educational Costs (Estimated)		
Books & Supplies	$900	$900
Room & Board	$2,128 (dependent)	$2,128 (dependent)
	$10,000 (independent)	$10,000 (independent)
Personal	$1,624 dependent	$1,624 dependent
	$1,600 independent	$1,600 independent
Transportation	$1,000 dependent	$1,000 dependent
	$1,800 independent	$1,800 independent
Total Budget	$7,520 (dependent)	$13,128 (dependent)
	$16,168 (independent)	$21,776 (independent)

Some programs of study have additional costs. Please refer to the Program Descriptions.

Please note: Daytona State College does not provide residence halls.

*Based on 2010-2011 rates. The 2011-2012 rates may increase due to legislative action and/or District Board of Trustees action.

Example college credit budget

Direct Educational Costs (Estimated)		
	In-State	Out-of-State
Tuition (24 college credits)	* $2,110	* $7,954
Indirect Educational Costs (Estimated)		
Books & Supplies	$900	$900
Room & Board	$2,128 (dependent)	$2,128 (dependent)
	$10,000 (independent)	$10,000 (independent)
Personal	$1,624 dependent	$1,624 dependent
	$1,600 independent	$1,600 independent
Transportation	$1,000 dependent	$1,000 dependent
	$1,800 independent	$1,800 independent

Total Budget	$7,762 (dependent)	$13,606 (dependent)
	$16,410 (independent)	$22,254 (independent)

Some programs of study have additional costs. Please refer to the Program Descriptions.

Please note: Daytona State College does not provide residence halls.

Please note: Tuition for in-state BAS students: * $2,339; out-of state BAS: * $14,145

*Based on 2010-2011 rates. The 2011-2012 rates may increase due to legislative action and/or District Board of Trustees action.

Veterans and Others Applying for Veterans Administration Educational Assistance

Daytona State College is an approved institution for veterans training. Veterans eligible for Veterans Administration (VA) benefits must be certified through the College's Veterans' Services office to receive educational benefits. Eligible veterans must also meet Daytona State admission requirements. Application for VA benefits should be started as soon as possible as approval of benefits can take as long as 90 days. Course approval and certification is required each semester through the Daytona State Veterans' Services office. Veterans eligible for benefits must also adhere to the following standards:

Program Length and Course Approval

All degree programs are approved for a specific number of credit hours. Eligible veterans will not be certified to the VA or paid by the VA for courses past the approved length. The VA will pay only for required courses in an approved program. This also applies to vocational certificate programs which are measured in either semester hours or vocational/clock hours. You will be required to pay out-of-pocket for courses not required by your program.

Satisfactory Progress - Standards of Progress

Students must maintain satisfactory academic progress and conduct to continue to receive VA educational benefits.

Educational benefits will be suspended for unsatisfactory progress following any semester when an eligible person receives all grades of "I", "F", or a combination.

An eligible person is placed on academic warning if a semester's GPA falls below 2.0 Educational benefits are suspended for failure to achieve satisfactory progress IF an eligible person's GPA falls below 2.0 for two consecutive semesters.

If an eligible person is not making satisfactory progress, VA educational benefits are suspended until the student completes one semester at their own expense and attains a minimum of a 2.0 GPA for that semester. In extreme cases, benefits may be suspended until the cause of the lack of progress has been eliminated, and/or it has been determined that the educational program being pursued is suited to the person's aptitudes, interests, and abilities.

Academic Standards - Grade Notification

The VA regional office is notified immediately when an eligible person receives a grade, or grades, of "X", "S", or "W". Credit hours for benefit purposes will be adjusted accordingly. Unless extenuating circumstances exist, the eligible person will be in overpayment for benefits paid for the course or courses from the first day of the term to the day the grade was issued.

Attendance Standards

Vocational Certification and Adult Education Programs- VA regulations require attendance records be kept on all eligible persons enrolled in programs not leading to a standard college degree.

Eligible persons will have their VA benefits suspended if they accumulate three or more unexcused absences during any calendar month. Three tardy days count as one absence; two partial days count as one absence.

An eligible person whose benefits are suspended for excessive absences may be reinstated once during a semester upon written permission of the program chairperson or instructor. Additional instances are considered unsatisfactory progress.

Short-Term VA Benefits Programs - VA benefit certification will be terminated if a student is absent 10% or more of the total hours in a given enrollment period (or cumulative absences exceeding 10% of the total number of hours in a program).Students enrolled in short-term programs must also adhere to current Veteran Administration regulations and standards of progress. Students who fail to maintain satisfactory progress are not permitted to continue enrollment in their program and will not be

eligible to receive benefits.

VA Contacts

The Office of Veterans' Services is located on the Daytona campus, Bldg. 100, Room 104. Office hours are: Monday-Thursday, 9 a.m.-6 p.m., Friday, 8 a.m.-5 p.m. To contact Daytona state's Veterans' Service Coordinator, call (386) 506-3065.

For additional information or questions, contact the Department of Veterans Affairs Regional Office at 1-888-442-4551 or e-mail http://www.gibill.va.gov/.

What Determines Dependency

When a student applies for federal student aid, the answers to certain questions will determine whether the student is considered dependent on their parents or whether the student is considered independent. A dependent student must report the parents' income and assets as well as the student's income and assets. An independent student must report only the student's own income and assets (and those of the student's spouse, if married).

A student is considered independent if at least one of the following applies to the student:

the student was born before January 1, 1988;
the student is married;
the student has children or legal dependent(s) (other than a spouse) who receive more than half of their support from the student;
at any time since the student turned age 13, both of the student's parents are deceased, the student was in foster care, or the student was a ward of the court ;
the student is currently serving on active duty in the U.S. Armed Forces for purposes other than training;
the student is a veteran of the U.S. Armed Forces;
the student is an emancipated minor as determined by a court in the student's state of legal residence;
the student is in legal guardianship as determined by a court in the student's state of legal residence;
at any time on or after July 1, 2010, the student's high school or school district homeless liaison, or director of an emergency shelter or transitional housing program funded by the U.S. Department of Housing and Urban Development determined that the student was an unaccompanied youth who was homeless; or
at any time on or after July 1, 2010, the director of a runaway or homeless youth basic center or transitional living program determined that the student was an unaccompanied youth who was homeless or was self-supporting and at risk of being homeless.

If a student cannot answer "yes" to one of the above questions, the student is dependent and parental information must be reported.

What is Financial Aid?

Financial aid is the assistance available to help a student meet educational expenses. This assistance is provided by federal, state, institutional or private sources and may consist of grants, scholarships, loans or work. Qualified students may be offered combinations of the various types of aid or aid from a single source. Most forms of aid are based on an individual's financial need, college costs, enrollment status and the availability of funds.

Academic Standards of Progress

Standards of Academic Progress have been established to help students stay on track and maintain a satisfactory GPA for graduation. The Records Office administers the policy by tracking student progress and notifying the students and their respective departments of the student's status.

All Daytona State College courses, including developmental courses, will be evaluated, even though the "official" college cumulative grade point average (CGPA) does not include Developmental class grades. Transfer course grades will not be included in the satisfactory progress determination, but are included in the "official" college CGPA. For associate and bachelor's degree candidates, academic progress will be monitored once a year at the end of the spring semester, except for those on probation who have their progress monitored each semester. For certificate candidates, academic progress will be monitored at the end of each fall and spring semester.

Student will be sent an email to their FalconMail account if they are placed on Warning, Probation, or Suspension approximately 2-3 weeks after the end of each review period.

To remain in good standing and be making satisfactory academic progress, a student must meet the following criteria:

Associate Degree Students: Progress monitored at the end of each spring term.

Earned Credits	Minimum CGPA
0-29	1.7
30-59	1.9
60+	2.0

Bachelor's Degree Students (not including Bachelor of Education students who must maintain a 2.5 GPA): Progress monitored at the end of each spring term.

Earned Credits	Minimum CGPA
Less than 89	1.7
90-119	1.9
120+	2.0

Certificate Students: Progress monitored at the end of each semester.

Earned Credits	Minimum CGPA
0-15	1.7
16-23	1.9
24+	2.0

Good Standing

Students are considered to be "in good standing" if they have met or exceeded these criteria.

Warning

When students fail to meet these minimum standards, they will be put on "warning" for the following year/semester. Students on warning will be advised to see an Academic Advisor, who will recommend that the student take advantage of our many support services, including the Academic Support Center, to help improve their performance and fulfill their academic goals.

Students will be taken off "warning" if they have returned to good standing by bringing their CGPA's up to an acceptable level.

Students will continue for a second year/semester on warning if they have successfully completed all courses attempted with a 2.0 GPA during the warning period, but have not yet brought their overall CGPA's up to the required minimum. Students will be placed on probation for the next semester if they have not returned to good standing and have not successfully completed all courses earning a 2.0 for the year/semester while on warning.

Probation

When put on probation the student will be monitored every semester and will be required to consult with an Academic Advisor to develop a mandatory prescriptive program each semester. This program may require the student to take a 50 percent reduction in course load from prior semesters, to repeat certain courses, or to take advantage of student support services such as those offered in the Academic Support Center.

Students will be taken off probation if they have returned to good standing by bringing their CGPA's up to an acceptable level at the end of the semester. Students will continue for a second semester on probation if they have successfully completed all courses and earned a 2.0 during the probation period but have not yet brought their overall CGPA's up to the required minimum.

Students will be placed on "Suspension" for the next semester if they have not returned to good standing and have not successfully completed all courses earning a 2.0 for the semester on probation.

Suspension

Students placed on suspension will be required to stop enrollment for one major semester. They will be allowed to appeal a suspension based upon extraordinary, one-time events during their probationary semester that should not affect academic success in the future. Performance in developmental courses can be considered as part of the appeal process.

If a suspended student wishes to return, he/she may submit an appeal to the Records Office requesting reinstatement to the Records. The appeal should explain what factors prevented the student from succeeding earlier and how those factors will no longer interfere with the student's progress. If the appeal is granted, the student also is required to meet with the advisor who initially approved the student's probation status to review and once again develop a prescriptive program before the student is allowed to register. The returning student will still be on probation and his/her status will be reviewed again at the end of the semester.

Academic Second Chance Policy

The Academic Second Chance program is an "amnesty" program that provides a benefit to students who are returning to the college, or transferring to Daytona State, when their prior educational experience has not been totally satisfactory.

The Second Chance Program does not apply once a certificate or a degree (associate or bachelor's) has been earned. The program will only apply to additional courses taken toward a subsequent degree. The Academic Second Chance Program can only be used once in a lifetime.

All courses remain on the transcript. Students planning to transfer to another college or university are cautioned that the receiving institution may use all original grades earned when computing a GPA for admissions eligibility or for other purposes.

If a student has earned a certificate and subsequently takes additional courses toward an associate degree, only the new courses taken would be applicable to this policy. The same applies to students who return for a second associate degree. Grades for courses that qualify for this amnesty program will be changed to "AM" to indicate the amnesty was applied. The following statement will be added to the student's transcript when the petition is approved: "Academic Second Chance Policy has been applied." The transcript legend will indicate the "AM" grade replaced an "F" grade.

All courses remain on the transcript, except from new transfer students. Students planning to transfer to another college or university are cautioned that the receiving institution may use all original grades earned when computing a GPA for admissions eligibility or for other purposes.

Courses that receive amnesty will still count for the Financial Aid Satisfactory Progress Policy with regard to attempted/earned credits. Academic Second Chance has no effect on the student's financial aid award history. It also has no effect on the calculation of course attempts related to the multiple course attempts surcharge.

A. Academic Second Chance Policy – Daytona State College Returning Students
The Academic Second Chance Program allows former students of Daytona State College who return to college after a three calendar year break in higher education enrollment to have coursework with a grade of "F" be excluded from Daytona State College GPA calculations once their appeal is approved.

Requirements:

> Return to Daytona State after a minimum of a three-year break in higher education enrollment.
> Complete 12 credits, completing all courses attempted (college preparatory courses are not counted).
> Earn a "C" or higher in all courses attempted.
> Submit a petition to the Records Office for review. (If a student petitions after completing more than 12 credits, all credits attempted must have been completed with a 2.0 GPA to be considered for amnesty.).

Students who are repeating courses that had a prior grade of "F" will still use the current grade forgiveness policy that uses the most recent grade when calculating GPA.

B. Academic Second Chance Policy – Daytona State College Current Students
Many times students are unsure of their career goals, or may attempt courses and programs not suited to their academic skills. For students who are successful after a career/program change, the Academic Second Chance Policy permits a student to select up to three grades of "F" earned previously in **required courses** (not electives or General Education courses) in the prior major, to be changed to a grade of "AM" and not counted in the GPA. To take advantage of this provision the student must have earned 50% of the credits toward their new program.
For example

> AA students changing to AS where the amnesty courses are not **required** in the new program.
> AS students changing to AA where the amnesty courses are not **required** in the new program.
> AS students changing to another AS where the courses are not **required** in the new program.

C. Academic Second Chance Policy – Daytona State College Transfer Students
New students transferring to Daytona State College will automatically take advantage of the Academic Second Chance Policy for Transfer Students. The college will not transfer grades of "F" and "W" onto the Daytona State College transcript. This policy does not apply to students who were enrolled at the college prior to fall 2009. The college will continue to require the receipt of all prior college transcripts, even if no credits are to be awarded in transfer.

Student Caution:
Students must clearly understand that other colleges may not use the Daytona State College GPA for transfer purposes if any type of grade amnesty has been applied.

Graduation Requirements

Students typically follow the degree requirements as listed in the catalog for the year in which they began enrollment as a degree seeking student. If a student misses two or more consecutive major semesters (fall or spring) a student must be readmitted to the college and their catalog year will be updated for advising and graduation purposes. However, students may request to use the graduation requirements in effect the year they originally entered the college as a degree seeking student, or any year in which they were enrolled if the requirements have changed.

Records Maintenance and Privacy Guidelines

The Records Office maintains permanent educational records for all students who have ever enrolled at Daytona State College. The student educational record may contain an application for admission, high school and/or college transcripts, the Daytona State College academic record or transcript, authorized changes to the record and other documentation appropriate to a student's enrollment at the college.

Family Educational Rights and Privacy Act (FERPA)

FERPA is a federal law that applies to educational agencies and institutions that receive funding under a program administered by the U.S. Department of Education. The statute is found at 20 U.S.C. 1232g and the Department's regulations are found at 34 CFR Part 99.

Under FERPA, schools must generally afford students attending a postsecondary institution access to their educational information, an opportunity to seek and have their records amended, and some control over the disclosure of information from the records.

FERPA requires the college to protect the privacy of student record information. This includes restricting access to these records, the release of records and the opportunity to challenge records should they be inaccurate, misleading or inappropriate. A peer-graded test or paper becomes an educational record when and if the grade received is used in the calculation of the final grade for the course. Educational records exclude records that are created or received by the college after the student is no longer a student in attendance and are not directly related to the student's attendance.

No information other than the data determined to be "directory information" can be provided to a custodial parent, non-custodial parent, or other third party without the permission of the student unless very specific criteria have been met.

FERPA requires the college to establish a policy with regard to the data items that can be released to third parties upon request, and to establish the procedures for the release of such information. Students have the option of making their "file" and "data" confidential. Students choosing to have their data marked as confidential are identified in the student information system and their information is excluded from the college's directory information.

Disclosure of Education Records

A school must:

> Have a student's written consent prior to the disclosure of education records
> Ensure that the consent is signed and dated and states the purpose of the disclosure

A school may disclose education records without prior consent when:

> The disclosure is to school officials who have been determined to have a legitimate educational interest. For these purposes a school official is defined to include contractors, consultants and other third parties providing services and functions acting under contract with and on behalf of the college.
> To another college when the student is seeking or intending to enroll in another college. This disclosure, upon request, could include disciplinary and health records.
> The disclosure is to state or local education authorities auditing or enforcing federal or state supported education programs or enforcing federal laws which relate to those programs.
> The disclosure is to the parents of a student who is a dependent for income tax purposes.
> The disclosure is in connection with determining eligibility, amounts and terms for financial aid or enforcing the terms and conditions of financial aid.
> The disclosure is pursuant to a lawfully issued court order or subpoena.
> The information disclosed has been appropriately designated as directory information by the school.

The disclosure without consent is allowed when the school is returning records to the apparent creator (e.g. of a transcript) to verify authenticity.

Disclosure can be made to organizations conducting educational studies for or on behalf of the college for purposes of testing, student aid and improvement of instruction; this disclosure can also be made even in cases where the college is not a party to the research project.

Disclosures allowed under amendments to the federal regulations.

Parent Access to Records

Student records may be released to a parent (either custodial or non-custodial) of the student without the student's prior approval only when a Daytona State College parent information request form has been completed. This form requires the requesting party to attach documentation that verifies the student was claimed as a dependent on the most recently filed IRS tax return. (Copies already supplied to the Financial Aid Office can be used.) Once this form and documentation are received, the student will be notified of the request 10 days prior to the release of the information. Student information is subject to the FERPA guidelines even if the student is under age 18.

FERPA permits institutions to disclose information to a parent if a health or safety emergency involves their son or daughter. Schools are also allowed to inform parents if the a student under age 21 has violated any law or college policy concerning the use or possession of alcohol or a controlled substance. A school official may generally share with a parent information that is based on that official's personal knowledge or observation of the student. Students may choose to have their records provided to a parent, or other third party, on a one-time or one-year basis by completing the student Release of Academic Information form.

Health or Safety Emergency

In addition, the school is allowed to disclose without the student consent education records, including personally identifiable information from those records if the college determines that there is a articulable and significant threat to the health or safety of a student or other individuals, but only to those persons whose knowledge of the information is necessary to protect the health or safety of the student or other individuals. A record of the threat and the information disclosed will become part of the student's record. At such times, records and information may be released to appropriate parties such as law enforcement officials, public health officials, parents and trained medical personnel. This exception to FERPA's general consent rule is limited to the period of the emergency, and generally does not allow for a blanket release of personally identifiable information.

Disciplinary Records

While student disciplinary records are protected as education records under FERPA, there are certain circumstances in which disciplinary records may be disclosed without the student's consent. A postsecondary institution may disclose to an alleged victim of any crime of violence or non-forcible sex offense the final results of a disciplinary proceeding conducted by the institution against the alleged perpetrator of that crime. An institution may disclose to anyone the final results of a disciplinary hearing if it determines that the student is an alleged perpetrator of violence or non-forcible sex offense and with respect to the allegation made against him or her, the student has committed a violation of the institution's rules or policies.

Law Enforcement Unit Records

Investigative reports and other records created and maintained by the law enforcement units are not considered to be education records subject to FERPA. Accordingly, institutions may disclose information from law enforcement unit records to anyone, including outside law enforcement authorities, without student consent. The Daytona State Campus Safety Office is responsible for referring potential or alleged violations of law to local police authorities.

The college may not require the accuser to execute a non-disclosure agreement or otherwise interfere with re-disclosure of information about alleged sex offenses released under the Clery Act.

The college may disclose information received under a community notification program about a student who is required to register as a sex offender.

Directory Information

Directory information can be released to the public without the student's consent following specific request procedures. Directory information will not be released if the student had requested in writing to keep their information confidential. At any time the

student can complete a form in the Records Office to mark their records as confidential.

The Daytona State College directory information includes:

Student name and city of residence
Student college sponsored email address
Date of birth
Enrollment status
Major and fields of study
Participation in college recognized activities and athletics
Dates of attendance
Degrees and awards received
Most recent educational institution attended
Photograph and height/weight of athletic team members

The college reserves the right to provide additional information, such as street address and telephone number, where there is a signed articulation agreement with another postsecondary institution for purposes of recruiting students, and in cases that are superseded by the Solomon Amendment giving military recruiters access to student recruiting information. Any other information is considered to be personally identifiable information and cannot be released to a third party, including parents, without the student's written consent.

Directory Requests

The procedure to request Daytona State College directory information is indicated below. Directory information requests are not recorded in individual student records.

The college participates with the National Student Clearinghouse to provide electronic requests for confirmation of individual academic degrees, academic awards/honors, dates of attendance by employers and colleges, and confirmation of enrollment status. The website is www.degreeverify.com; email is service@studentclearinghouse.org; phone is 703-742-4200; and the fax is 703-742-4239.
Requests for additional information or for other purposes must be made in writing on the letterhead of the company, agency or school requesting the information.
If the request is being made by an individual, it must indicate the name, address and phone number of the requestor and the reason for the request.
Requests for the entire student directory, requests from any military sources under the Solomon Amendment, or requests for a "class" of students, such as all students in any one major, should be directed to the Records Office.

Student Access to Educational Records

Schools are required by FERPA to:

Provide a student with an opportunity to inspect and review his or her education records within 45 days of the receipt of the request.
Provide the student copies of education records or otherwise make records available to the student if the student, for instance, lives outside of commuting distance of the school.
Redact the names and other personally identifiable information about other students that may be included in the student's education records.

Amendment of Education Records

Under FERPA a school must:

Consider a request from a student to amend inaccurate or misleading information in the student's education records.
Offer the student a hearing on the matter if it decides not to amend the records in accordance with the request.
Offer the student a right to place a statement to be kept and disclosed with the record if as a result of the hearing the school decides not to amend the record.

A school is not required to consider requests for amendment under FERPA that:

Seek to change a grade or disciplinary record.
Seek to change the opinions or reflections of a school official or other person reflected in an education record.

Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by the college to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Questions about the administration of FERPA at Daytona State College and the release or amendment of any student record should be addressed to the Associate Vice President of Enrollment and Student Development.

Student Requests

Change in records - Students may request a change to their record in writing or by presenting photo identification if requesting the change in person. Typical changes include name, address, telephone number, social security number and program code (major). Most changes require the student to present appropriate documentation. Address, phone and most program code changes can be made online at http://www.daytonastate.edu/.

Enrollment verification – An official college statement indicating semester of enrollment and student status (i.e. full- or part-time). The college utilizes the services of the National Student Clearinghouse to automatically process enrollment verifications for students. Students may go online to www.clearinghouse.org to request enrollment verification. Transfer credit evaluation – Statement of all course work and grades accepted from another postsecondary institution. A transcript evaluation summary is available online at http://www.daytonastate.edu/ on the Registration and Records menu.

Non-release of directory information - A student may submit a request for non-release of directory information by completing a form in the Daytona Beach Campus Records Office or in the administrative office at any Daytona State campus. This non-release request will remain in effect until the student requests a removal of the non-release hold.

Authorization of non-directory student information - Students may authorize Daytona State College to release specific information as documented on the Release of Academic Information form. This release consent is valid for one year from the date the document is signed.

Official transcripts - Students may request an official copy of their academic record via the Daytona State online transcript request system at www.daytonastate.edu. There is a $5 fee for each official transcript requested.

Unofficial transcripts - Students may view/print an unofficial transcript online at www.daytonastate.edu.

Social Security Number Collection and Use

In compliance with Florida Statute 119.071(5), this document serves to notify you of the purpose for the collection and usage of your Social Security number by Daytona State College. Daytona State collects and uses your social security number only if specifically authorized by law to do so or it is imperative for the performance of its duties and responsibilities as prescribed by law. The college, and vendors, may not use a Social Security number or other non-directory information, either alone in or combination with other data elements, to identify student records when disclosing or confirming directory information without the

written consent from the student.

Specifically, Daytona State collects your Social Security number for the following purposes:

Admissions Department

Federal legislation related to the Hope Tax Credit requires that all postsecondary institutions report student Social Security numbers to the Internal Revenue Service. This IRS requirement makes it necessary for colleges to collect the Social Security number of every student. A student may refuse to disclose his or her Social Security number to Daytona State College, but the IRS is then authorized to fine the student in the amount of $50.00.

In addition to the federal reporting requirements, the public school system in Florida uses Social Security numbers as a student identifier (section 229.559, Florida Statutes-new school code section 1008.386). In a seamless K-20 system, it is beneficial for postsecondary institutions to have access to the same information for purposes of tracking and assisting students in the smooth transition from one education level to the next. All Social Security numbers are protected by federal regulations Family Educational Rights and Privacy (FERPA).

Continuing Education, Corporate Training

Because of Florida State Education Reporting requirements, students who enroll in Continuing Education and Corporate Training seminars are required to submit their Social Security numbers.

Financial Aid Department

The Office of Financial Aid at Daytona State College and the U.S. Department of Education require students to submit their Social Security numbers on various forms in order to correctly identify applicants, match each applicant's financial aid record with the student record, and to help coordinate state aid programs with federal and institutional aid programs.

Human Resources Department

An employee's (including Federal or Institutional Work Study employees) Social Security number is required for any or all of the following:

> Completing an Employment Application/Packet
> Completing and processing the Federal I-9 (Department of Homeland Security)
> Completing and processing Federal W4, W2, 1099 (Internal Revenue Service)
> Completing and processing Federal Social Security taxes (FICA)
> Processing and Distributing Federal W2 (Internal Revenue Service)
> Completing and processing quarterly Unemployment Reports (Florida Department of Revenue)
> Completing and processing Florida Retirement Contribution reports (Florida Department of Revenue)
> Workers Comp Claims (FCCRMS and Department of Labor)
> Completing and processing Federal and State Employee and Educational Reports
> Completing and processing Direct Deposit Files (Bank of America, ACH)
> Completing and processing 403b and 457b contribution reports
> Completing and processing group health, life and dental coverage enrollment
> Completing and processing various supplemental insurance deduction reports

Workforce Programs

These programs use your Social Security number as an identifier for program enrollment and completion. Also, it is used for entering placement information into either the OSMIS or the Employ Florida Marketplace statewide data collection and reporting system. Because these are performance-based contract programs, it is required that all participants and their program related activities be recorded in the Florida state system.

Identification and verification, billings and payments, data collection, reconciliation, tracking, benefit processing and tax

reporting

To protect your identify, Daytona State will secure your Social Security number from unauthorized access and assign you a unique student/employee identification number. This unique identification number will then be used for all associated employment and educational purposes at Daytona State.

Grading System

Student grade reports are not mailed; however, they are available to all students at the end of each semester as the grades are entered by the faculty on their FalconNet Records site. Students may access the Web from the computer commons and labs on any campus, or from any off-campus computer that has access to the Internet.

Grading Policies

Grades are posted to the student record at the end of each semester or subsession.
A Grade Point Average (GPA) is calculated for each semester based on the number of hours attempted per course and the grade point value associated with the letter grade.

Example:

Course	Credit	Grade	Grade Points
English	3	A	4.0(x3) = 12.0
Math	3	B+	3.5(x3) = 10.5
Speech	3	F	0.0(x3) = 00.0
Psychology	3	C	2.0(x3) = 06.0
History	3	D	1.0(X3) = 03.0

Total Credits: 15
Total Grade Points: 31.5
Divide 31.5 (grade points) by 15 (credits) = 2.1 GPA

Letter grades used to calculate GPA:

Grade	Definition	Grade Point Value
A	= Excellent	4.0
B+	= Very Good	3.5
B	= Good	3.0
C+	= High Average	2.5
C	= Average	2.0
D+	= Below Average	1.5
D	= Poor	1.0
F	= Failure	0.0
FN	= Failure	0.0 (non-attendance prior to withdrawal date)

The college does not define a numerical score that equates to each grade. The determination of which grade the student has earned is left to the discretion of each instructor.

Grades not used to calculate GPA:

"I"- Incomplete - A temporary grade issued only when a student who is passing the course but who, for valid and unforeseen reasons, is not able to complete the course requirements within the semester. Student agrees with the instructor to complete the requirements before the middle of the next major semester. "I" grades automatically convert to "F" grades if the requirements are not met and the appropriate grade change is not submitted by the deadline as published in the College catalog.

"IP" - In Progress - The class is currently in session and has not ended.

"W" - Withdrawal - Grade issued when a student officially withdraws from a class.

"AM" – Second Chance Program grade amnesty applied.

"SP" - Completion - Issued only for college preparatory courses and/or vocational courses, and selected college credit classes, when a student completes all course work but has not mastered the skill associated with the course. Example: A typing course requires the minimum skill of 45 words per minute and the student only masters 40 words per minute. No credit is awarded. Student must register and repeat the course.

"S" – Satisfactory Progress - Topics discussed and required learning has been accomplished.

"NR" – Grades Not Reported - The Records Office may issue this grade when an instructor has not submitted a grade.

"X" - Audit - Issued when a student does not want credit for a particular course and officially audits the course by the deadline for the semester (published in the academic calendar).

"CR" - Credit Only - Issued for alternate methods of earning credit such as Advance Placement, IB, etc.

"NC" - No Credit - Issued for zero credit courses.

"CN" - Continuing Credit - Issued for open exit courses that cross semesters.

Students who no longer want to attend class:

> Must withdraw by the deadline for the semester (published in the academic calendar).
> May initiate the withdrawal process at the Registration Office at any Daytona State College campus by presenting a picture identification or online.
> Students with extenuating circumstances (i.e.: hospitalized, out of town, etc.) may withdraw by mail provided the request is postmarked by the deadline and contains an original signature of the student, or with an email from the FalconMail account.
> Students are permitted a maximum of two withdrawals per course. Upon the third attempt, students will not be permitted to withdraw and will receive a grade other than "W" for that course.
> A student who stops attending class and does not withdraw before the last day to withdraw will receive a grade of "FN" (F for non-attendance) when the grades are submitted. The last date of attendance will be noted and a student who receives the "F for non-attendance" grade for all classes will be subject to the federal Title IV refund guidelines. For more information about the refund that will be required, please see the Financial Aid section of this catalog.

Graduation Requirements and Procedures

All students seeking an associate of arts or a bachelor's degree must satisfy the following degree requirements as established by the Florida Board of Education. You are required to complete a minimum of 60 hours of transferable college level credit to receive an AA degree. Florida State Board of Education Administrative Rule 6A-10.024 (3a) requires 36 semester hours of general education courses, excluding college prep courses. The remaining 24 credit hours are elective credits. Graduates must also meet the requirements of the Gordon Rule and a state mandated foreign language requirement. You also must meet the Daytona State College residency requirements (see below).

Students seeking a bachelor's degree, associate of science, associate of applied science, or certificate must have a cumulative 2.0 GPA, a Daytona State 2.0 GPA and meet the Daytona State College residency requirements (see below).

Students graduating from a vocational certificate program must have earned a 2.0 GPA in their program specific classes and meet the Daytona State College residency requirements (see below).

Grade forgiveness applies when students repeat the same course in which they earned a "D" or "F" grade. The earned grade from the most recent attempt will be used in the calculation of GPA and graduation requirements. (A subsequent "W" grade will not replace an earned grade.) Students may not repeat the same course to improve a "C" grade or better.

Courses in Residency

The Daytona State College residency requirements are an overall 25 percent of degree requirements, 25 percent of program specific classes, a cumulative 2.0 GPA, and a Daytona State 2.0 of GPA. For bachelor's degree students, in addition to meeting the 25 percent overall residency requirement, a minimum of 25 percent of the upper level program-specific credits must be completed at Daytona State College.

For instance, if your bachelor's degree program requires 42 upper level program specific credits, at least 10.5 of these must be completed at Daytona State, or if your bachelor's program requires 60 upper level program specific credits, at least 15 of these must be completed at Daytona State.

In addition, students can only earn a maximum of 25 percent of degree requirements through experiential learning, i.e. APLE Credits earned by active US military members are excluded from this requirement.

Transfer Students - General Education Requirements:

Once the student's transfer credit evaluation is completed, an email is sent to the FalconMail address and the transfer credit summary report will be available online at the Records section of their FalconNet account. The college will include on the Daytona State College transcript all courses and grades that were attempted at a prior college except for the following:

courses that meet the Academic Second Chance provisions
courses that were taken at an upper (junior, senior etc.) level for which there is no comparable Daytona State College courses
courses completed at a non-accredited college for which instructor qualifications and syllabus are not received.

The regional accreditation agencies are:

New England Association of Schools and Colleges, Commission on Institutions of Higher Learning;
Middle States Association of Colleges and Secondary Schools, Commission on Higher Education;
North Central Association of Colleges and Schools;
Northwest Commission on Colleges and Universities;
Southern Association of Colleges and Schools, Commission on Colleges;
Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Accrediting Commission for Junior Colleges

Grades received at prior colleges will be included in the cumulative grade point average, except for developmental courses.

Students transferring to Daytona State College who have earned an associate of arts degree from a Florida public college or a baccalaureate degree or higher from regionally accredited U.S. institution at the time the degree was earned are deemed to have met the General Education requirements for degree programs at Daytona State College, and also qualify for an exemption from the college placement tests. Specific majors may still require the completion of specified course requirements or prerequisites. Transfer students, however, must meet <u>prerequisite requirements</u> for all courses in which they are enrolled.

Second Associate of Arts Degree
Students who transfer to Daytona State College, or who have previously earned an associate of arts or baccalaureate degree from another college, are not normally allowed acceptance to the AA program. The only exception to this policy would be for a student whose transcript evaluation indicates that at least 15 credits (including the foreign language requirement) are needed to meet our AA degree requirements, indicating that the prior education is not comparable. Students transferring with a prior degree, AA or higher, are not allowed enrollment in the AA program to rehabilitate their GPA or to meet university prerequisites. Students with a prior AA degree or higher are encouraged to enroll as non-matriculated students and take courses that meet their personal and career goals. Normally, a non-matriculated student is not eligible for student financial assistance, but non-matriculated students who are taking specific prerequisite courses for a Daytona State College limited access program will be eligible for student loans.

Transfer Credits from Non-Regionally Accredited Institutions
Credits from non-regionally accredited institutions, including all foreign colleges, are evaluated on a course-by-course basis by departmental review. Supporting documentation is required to validate the transfer of courses to insure they are academically equivalent to courses offered at Daytona State College, including equivalency of faculty credentials. Students must submit official transcripts to the Admissions Office and the documentation for credit to be considered. Contact the Records Office for further information.

Foreign Language Requirements
Completion of two years of the same foreign language in high school or eight college semester credits of the same foreign language or in American Sign Language at the level of ASL 2140/2140L or above. Foreign and sign language courses satisfy elective credits toward the AA degree. All AA and bachelor's degree recipients must meet the foreign language requirement.

Graduation Application
Submit an application for graduation. The graduation application is completed online in FalconNet under Records. This will entitle the graduate to a diploma, if qualified, and to participate in the commencement ceremonies. Daytona State reserves the right to certify students as graduates/completers once they have completed all requirements for the degree or certificate, regardless if they have completed an application for graduation. Students who do not complete the graduation application process will not receive a diploma or have the degree or certificate earned statement on their official transcript. Completers are no longer eligible to receive student financial assistance.

Graduation applications can be filed at any time, but certain deadlines will apply for inclusion in the commencement booklet.

Students who complete all degree requirements are no longer eligible to receive student financial assistance for their current degree program.

Students not meeting graduation requirements must reapply for the new term/ semester for which they are applying.

Fulfill all financial and other obligations to the college before receiving their degree or certificate.

Commencement ceremonies for degree, certificate and adult education candidates are held in May. Students who complete graduation requirements in the fall and/or spring semester, or who have applied for graduation at the end of the summer semester, are encouraged to participate in commencement ceremonies in May. The Records Office will inform students of the date and time for the ceremony for their degree level.

Students are responsible for determining if they have fulfilled graduation requirements. A Degree Audit is available on FalconNet online student services. We encourage all students to run a degree audit before applying for graduation. Assistance can be obtained from the Academic Advising Office for AA graduates, and from the academic department for career/occupational programs. Students may be permitted to substitute requirements upon completion of a substitution form signed by the appropriate program manager/program chairperson and Dean/AVP if it is determined that the substitution does not substantially alter the program and is in the student's best interest.

Students typically follow the degree requirements as listed in the catalog for the year in which they began enrollment as a degree seeking student. If a student misses two or more consecutive major semesters (fall or spring) a student must be readmitted to the college and their catalog year will be updated for advising purposes. However, students may request to use the graduation

requirements in effect the year they entered the college as a degree seeking student, or any year in which they were enrolled if the requirements have changed.

Other Forms of Earned Credit

Other Earned Credit

Daytona State College offers opportunities to earn credit for experience, accepts advanced placement credits and credit through other approved exams/programs. The following descriptions can help you choose which alternative best suits your needs.

IMPORTANT: If you plan to transfer after leaving Daytona State, check if the transfer institution accepts credits earned through these various other ways to earn credit. Students can earn a maximum of 25 percent of credits needed for their degree or certificate through experiential learning.

Experiential Learning:

> **The Assessment of Prior Learning Experience (APLE)** - College credit may be awarded for knowledge gained outside the normal classroom setting, including prior work experience, workshops and seminars, formal or informal classes taken or other documented past experience. Daytona State students may earn credit through the APLE program by completing exams or developing portfolios. (Students can earn a maximum of 25 percent of credits needed for their degree or certificate through experiential learning.)

Acceleration Mechanisms:

> **Advanced Placement (AP)** - AP credit is granted to students who have the College Entrance Examination Board/AP send official Advanced Placement Test results to the Daytona State College Admissions Office. Required scores to earn credit vary by course. Check with the Records Office for details on specific scores for subject areas. You receive credit, but not letter grades, for courses earned through AP. Earned credits are not computed into your GPA. Contact Daytona State's Records Office for AP requirements and information.
> **College Level Examination Program (CLEP)** - The CLEP is the national exam program which offers exams in academic subject matters. Certain scores will result in credit for college courses. (Score requirements vary depending on the institution.) Official CLEP scores should be sent from the College Entrance Examination Board/CLEP to the Admissions Office. If required scores are earned, you will receive credit, but not letter grades for the courses earned through CLEP. Applications, registration materials and test fee information about CLEP are available in Assessment Services Offices on each Daytona State College campus.
> **International Baccalaureate (IB)** - Daytona State awards credit based upon higher level and/or subsidiary level IB exams. Official transcripts and scores should be sent from International Baccalaureate to the Admissions Office. You receive credit, but no letter grades, for courses earned through IB. Earned credits are not computed into your GPA. Contact Daytona State's Records Office for IB requirements and information.

Alternative Learning:

> **Cooperative Education** - Students on all campuses have an opportunity to blend traditional classroom education with study-related work experience. Students gain practical experience in the job market and are awarded academic credit for approved training assignments. This credit may be used for the AA, AAS and AS degree or certificate programs. For information, contact the co-op coordinator for the program of study.
> **Independent Study** - This provides in-depth study in selected disciplines. Under special circumstances, it also may be approved for students unable to attend regularly scheduled college credit classes. Students considering this option must identify an area of study with the assistance

and approval of an instructor; complete the independent study agreement outlining the project/objectives to be accomplished; and get written approval from both the department chairperson and associate vice president.

Air Force/Army Reserve Officers Training Corp (ROTC) - Daytona State students may register for ROTC courses offered at Embry-Riddle Aeronautical University. AF ROTC offers two- and four-year programs. Students may complete the first two years of ROTC without military commitment. Elective credit is awarded for these courses. The US Air Force offers ROTC academic scholarships to eligible students. For scholarship information, see the Financial Aid section of the catalog. For information on ROTC, call the ROTC office at Embry-Riddle at (386) 226-6880

Academic Course Exchange (ACE) - Full-time Daytona State students in good academic standing are eligible to take approved courses, at no additional charge, at Bethune-Cookman College, Embry-Riddle Aeronautical University, Stetson University and University of Central Florida. For more information, please contact the Record's Office.

Records and Registration

Students register for classes each semester based on the dates listed in the academic calendar. Before registering for classes, we encourage you to use the information here as a guide to ensure your success. You may register online at http://www.daytonastate.edu or at Daytona State College's Daytona Beach, DeLand, Deltona, Flagler/Palm Coast and New Smyrna Beach-Edgewater campuses.

Facts about Registration

Schedule of Classes - A listing of all classes offered for a specific semester is available online at http://www.daytonastate.edu. Using the Advanced Search feature, you can search by campus, sub-session, instructional method, time of day and other variables.

Advance Registration - Typically a three-day period which allows currently enrolled students to register on a priority order based on credits earned.

Open Registration - For new or returning students and those who did not register during the advance registration period.

Transfer Hours - Will be calculated into the advanced registration time if all transcripts have been received and evaluated.

Schedule Adjustment - Students may continue to modify their schedules throughout the registration period and up until the last day to adjust schedules date (add/drop courses) listed in the academic calendar.

Audit Registration - Students who do not want to earn college credit for a course may enroll as audit students. Students desiring to audit a course must complete the Audit form, have it signed by the instructor and return it to the Question and Answer Center no later than the last day of the add/drop period. Students may not audit college prep courses.

State Employee Registration -State employees as identified by the Florida Accounting and Information Resource website may register and have their tuition waived for a maximum of six hours per semester under the following conditions:

Fulfill all admission and placement testing requirements of the College

Register on the designated State Employee registration dates as indicated in the academic calendar

Enroll only in courses on a space-available basis

Enroll in courses as either a credit or audit student. Enrollments are subject to all College academic regulations, including required placement testing, prerequisites and limits on course repeats and grade forgiveness. State employees will be assessed fees for the full cost of instruction for any course in which they exceed the maximum number of attempts

State employees will be assessed other fees, i.e. laboratory fees, assessment fees, access fees, etc.

Schedule and Fee Statements - Identifies the registered courses, lists days and times of the courses and gives summary of tuition and fees. They also include fee payment due date. Registration is not complete until all fees have been paid.

Reinstatement Procedure - Students wishing to re-register into a section after the add/drop date for any given semester must meet the following criteria:

Must have been registered and attending the course prior to the add/drop date and subsequently dropped due to cancellation for non-payment, class roll or other process. Students must document why the original drop occurred (document using reinstatement form available in the Q & A/Registration Office). Courses dropped due to an administrative error, documented by a signed statement from the faculty member or director/department

chairperson of the department that caused the error, may be reinstated.

Must have a signature from the instructor of each course in which they are re-enrolling, indicating that they have been attending the section and have permission to get back into the course.

Reinstatements may not be processed after the midpoint of the subsequent semester (I-grade deadline published in the catalog).

If reinstatement occurs after grades have been submitted, each instructor must also deliver a memo to the Records Office (not via the student) that indicates what grade the student should receive.

Students who withdraw from class(es) may not be reinstated.

All documentation must not have a date more than five business days prior to when the reinstatement is processed.

Late Registration - Students may register for classes up until the end of the second week of classes for 15/16-week sessions and up to the end of the first week of classes for seven-week sessions providing:

The student obtains the signature of both instructor and chairperson on the Late Registration Form and returns the form(s) to the Registration Office within two business days.

Payment must be made at the time of registration.

Note: There is no refund period for "late registration." Students may withdraw without a refund.

Student Consumer Information

In order to provide students with information related to attending Daytona State College, the following reports, policies and general information are available to students at the websites indicated, or by requesting a printed copy from the respective office.

Academic Programs and Policies

The complete list of programs and course descriptions can be found in the college catalog. The catalog also has links for academic information and graduation requirements, and for policies regarding academic standards of progress.
http://www.daytonastate.edu/catalog

Student Privacy Information

The Family Educational Rights and Privacy Act (FERPA) provides certain rights to students related to educational records. This information can be found in the college catalog or is available from the Records Office, Wetherell Center on the Daytona Beach Campus. FERPA regulations pertain to the release of student records to third parties, including parents, and the right to review and amend student records. For more information: http://www.daytonastate.edu/catalog/adm/records_student_info_svcs.html

Campus Crime Statistics and Safety Policies

This information is available from Campus Safety, Bailey Hall on the Daytona Beach Campus, or from campus safety on any branch campus. For more information: Crime Statistics.

Financial Assistance Information

The Financial Aid Office administers all federal, state and local grant, loan, work and scholarship programs. This information can be found in the college catalog, and from the Financial Aid Office, Wetherell center, on the Daytona Beach Campus, or at each of the regional campuses. For more information: http://www.daytonastate.edu/catalog/adm/records_student_info_svcs.html

For specific information about loan options and repayment options please see the following: Loan Options

Athletic Participation and Financial Support

Information about athletic program participation rates and financial support, and the annual completion and graduation rates of student athletes can be obtained from the Athletic Department, Lemerand center, Rm. 235, on the Daytona Beach Campus, or from the Athletic Department Web site at: http://www.daytonastate.edu/athletics.

Drug Free Workplace

In compliance with the Drug Free Schools and Campuses Act of 1989, Daytona State prohibits the illegal use, purchase, sale, distribution, manufacture, or possession of drugs and alcohol on its campuses, or at any college-related activities. This policy applies to all employees and students. Employees, students and job applicants are required to receive information and or sign a Drug Free Certification form at the time of admission to the college. For more information:
http://www.daytonastate.edu/campus_safety/drug_policy.html

For more information about the colleges response to the Drug Free Schools and Campuses Act, please click on the following link: Drug Free Information

Graduation/Completion and Transfer-out Rates

This information is available on the Daytona State Web or from the Office of Institutional Research, Wetherell Center, on the Daytona Beach Campus. To access online, please go to: http://www.daytonastate.edu/ir/facts.html

Institutional Information

Information about Daytona State regarding its academic and financial policies and practices can be found throughout the online college catalog. Searches can be done to find specific information about the cost of attending Daytona State, including the tuition and fees charged, estimates for the cost of books and necessary supplies, and any additional program costs. In addition, the catalog includes information regarding refund policies; the requirements and procedures for officially withdrawing from the institution; a summary of the requirements for the return of Title IV grant or loan assistance; a listing of the academic programs of the institution, including the current degree programs and other educational and training programs; the instructional, laboratory, and other physical facilities which relate to the academic program; and the institution's faculty and other instructional personnel. Other information in the catalog includes: The names of associations, agencies or governmental bodies that accredit, approve, or license the institution and its programs, and the procedures by which documents describing that activity may be reviewed; a description of the facilities and services available to disabled students and how to access the services; and information about study abroad and other consortia programs.

Other information of a general demographic nature can be found at: http://www.daytonastate.edu/ir/facts.html.

Voter Registration Information

Voter registration forms are available from the Records Office, Wetherell Center, on the Daytona Beach Campus, from the Student Activities Office, and from your County Supervisor of Elections Office of your permanent residence.

The Web site for Volusia County is: http://volusia.org/elections.

The Web site for Flagler County is: http://www.flaglerelections.com

Course Substitutions

There are two types of course substitutions, one in which a student submits a request to the Chair or Assistant Chair of their program of study asking that a course previously taken be substituted for a program-specific course or a general education core course. If the Chair or Assistant Chair agrees to the substitution, a Course Substitution form is completed and is routed to the Associate Vice President (AVP) over the program who may approve or deny the request. If the substitution request is for a general education core course, the Course Substitution form must also be sent to the AVP in charge of the general education curriculum who may approve or deny the request.

These requests must be in writing to the appropriate Chair or Assistant Chair. They may be presented as a hard copy or email request sent from the student's Falcon Mail address. Course substitutions will be reviewed to determine if the request does not alter the core requirements of the occupational or academic program. The request will not be approved if it is determined that the substitution would substantially alter the program. For example, if math is a core requirement of a certain program, a course substitution for math will not be approved.

If denied, the student will be given a written notice of the denial.

The second type of request is one based on a documented disability. To be eligible for this type of substitution, the student must be registered with Student Disability Services and have a diagnosed disability on file with the Student Disability office that states specifically the subject affected by the disability.

Disability-based Course Substitution Requests

The student must provide Student Disability Services a written diagnosis stating the disability and the specific subject affected by the disability.
The student must submit a request for a course substitution. This request must include the following:
 Documentation of the his/her disability, which is the basis for the request
 Proof that his/her failure to meet a course requirement is caused by his/her disability
 A copy of his/her complete college transcript and current class schedule
 A list of the accommodations that he/she could use in lieu of a course substitution
 Documentation that he/she has identified his/her program of study, intended degree, and identified the transfer institution to which he/she plans to matriculate
 His/her completed, signed and dated Course Substitution Form
 A typed essay that conforms to the conventions of Standard English in which the student explains the following:
  That he/she understands that the course substitution, if granted, only applies to the program of study at Daytona State College indicated on the Course Substitution form;
  What his/her education plans are after receiving the degree for which they are applying to have the substitution and that he/she understands the future graduation requirements and how this substitution may impact on the future degree he/she may pursue.
  If the substitution is for a mathematics course or courses, the essay must state if the student will be expected to complete a course requiring a mathematics course as a pre-requisite or complete a specific mathematics course for the degree above the degree for which the substitution is being requested.
  If the student is not planning to continue their education beyond the degree for which the substitution is requested, that must be stated in the essay.
When an SDS Advisor determines that the student's course substitution request is accurate and complete, he/she will submit it to the SDS Director for review. If the application is complete, the

SDS Director submits the application to the Academic Associate Vice President(AVP) for consideration

The AVP may consult with the program chair(s) involved and may schedule an appointment to meet with the student. At this meeting, the student will state verbally and sign a document stating that he/she understands the limits of the course substitution. If the request is denied, the AVP will forward a written denial notice to the SDS Advisor. The SDS Advisor will notify the student of the denial. If the request is approved, the AVP will provide the student with a written notice the decision.

Appealing the Denial of a Substitution based on Disability

Students may obtain appeals information from the Student Disability Services Office

The Associate Vice President of Academic Affairs shall administer the appeals involving denials of course substitutions, degree requirement substitutions, and graduation requirement substitutions. A student denied a substitution must file his/her written appeal to the Associate Vice President within thirty (30) days of receiving his/her written notification of denial. The Associate Vice President shall render his/her decision in writing to the student within thirty (30) days after receiving the appeal.

The Senior Vice President of Enrollment and Student Development shall administer the appeals involving denials of admission requirement substitutions. A student denied a substitution must file his/her written appeal to the Senior Vice President within thirty (30) days of receiving his/her written notification of denial. The Senior Vice President shall render his/her decision in writing to the student within thirty (30) days after receiving the appeal

The decisions of either Vice Presidents are final.

Disability Waiver for the Test of Adult Basic Education (TABE)

Daytona State College provides waivers to astudents with disabilities as defined in Section 1004.02(7) of the Florida Statutes to meet the career basic skills grade levels required for completion of career programs as described in rule 6A-10.040 (2). Accordingly, any adult student of Daytona State College with a documented disability that is registered with Student Disability Services (SDS) and has completed his/her occupational program of study with a cumulative GPA of 2.0 or greater may petition to receive a waiver for the TABE exit exam after attempting to pass it on at least two occasions.. .

Prerequisites for Requesting for an Exemption of the TABE Exit Requirement

The student must have completed his/her occupational program of study with a cumulative GPA of 2.0 or greater.

He/she must have the recommendation of his/her occupational program manager.

He/she must have documentation on file in Student Disabilities Services that shows his/her disability substantially interferes with his/her ability to pass the TABE exit requirements.

He/she must have taken the TABE two times before petitioning for an exemption.

Process to Request for a TABE Exemption:

Students will complete a TABE Waiver Request Form after meeting the requirements listed above. Forms are available in the College Assessment Center.

The TABE Waiver committee may include the following college officials:

    The Vice President or Dean of Occupational Programs

    The program manager of the specific occupational program of study or his/her representative

    The SDS Director or his/her representative

    The Director of Assessment Services or his/her representative

To deliberate the request for a TABE Waiver, the Committee may consider the following:

The student has a disability that substantially interferes with his/her ability to pass the TABE exit requirements and is registered with SDS

The student's achievement in his/her occupational program of study

The student's remediation effort to satisfy the TABE exit requirement

The student's job opportunities and any other pertinent data.

The Committee shall approve or disapprove the student's request for a TABE Waiver based on a majority vote.

Documentation of a student's petition for TABE Waiver shall be maintained by Daytona State College for audit purposes. The student's TABE Waiver Prequest Form will be posted in his/her SDS record. Daytona State College may report a student with a TABE Waiver as a program completer.

Whenever the committee disapproves a student's petition for a waiver of the TABE exit requirement, he/she may appeal the Committee's decision to the Vice President of Academic Affairs and the Senior Vice President of Enrollment and Student Development. The student must file his/her written appeal within thirty (30) days of receiving his/her written notification of disapproval. The Vice Presidents shall render their decision in writing to the student within thirty (30) days after receiving the appeal.

Daytona State College, Assessment Services institutional policy is based upon the Basic Skills Exemption, Rule 6A-10.040 FAC.

Transcripts

Requesting Transcripts

Unofficial Transcripts:
Current students can review an unofficial transcript from the Records link in FalconNet. Former students can access an unofficial transcript after signing into the Alumni page.

Official College Credit Transcripts:
Official transcript requests are processed by Credentials, our online service provider, for a $5 charge per transcript. Overnight options are also available for an additional fee. Please read the order form carefully and fill out all required fields.

To request your transcript, you can choose one of these options:

If you are a Current Student and know your College ID and College PIN you can use the automatic authentication process:

> Sign into the student portal by clicking the MyDaytonaState button above
> Enter your College ID and College PIN at the top of the screen
> Click on the FalconNet tab on the menu bar
> Use the Records link on the left menu
> Use the Official Transcript link to order your transcript.

If you are a current student and do not know your College ID or College PIN you can use the portlets on the portal home page to search for your ID and reset your PIN, or you need to complete a signed authorization form which must be faxed or mailed to Credentials to give permission to release your transcripts, but remember a signed authorization form is required to release your transcript. This process takes 3-5 days additional to complete your request. Authorization Form Click Here

All Former Students can log in to the Alumni page to authenticate your College ID or PIN to request an official transcript.

> Sign into the student portal by clicking the MyDaytonaState button above.
> Click on the Alumni tab on the menu bar
> Enter your College ID and College PIN.
> Use the Official Transcript link to order your transcript, or you can view and print an Unofficial Transcript or run a Degree Audit.

If do not know your College ID or College PIN you can use the portlets on the portal home page to search for your ID and reset your PIN, or you need to complete a signed authorization form which must be faxed or mailed to Credentials to give permission to release your transcripts, but remember a signed authorization form is required to release your transcript. This process takes 3-5 days additional to complete your request. Authorization Form Click Here

Please allow at least 7 business days after receipt of your order for your transcript to be received by you via first class mail. Pick up orders will be available 2 to 3 business days after order is processed.

Students who have any form of hold, including a tuition and fee bill, a Title IV refund bill, or a past student loan default are prohibited from receiving a transcript until the obligation is cleared.

If you need assistance to sign into FalconNet, please contact the Records Office at records@daytonastate.edu.

Official Daytona State High School Transcript:
High School and adult education official transcripts request cannot be taken online. Please submit the transcript Request Form to the Records Office by mail or fax (386-506-4489) or bring in the form to the Q and A center at your local campus

Official Daytona State High School Transcript Request Form Click Here

How do I track my order or talk to Customer Service?

Contact Credentials at 800-646-1858, or you can also check the status of your transcript order at Credentials Online Services.

For more information contact: records@daytonastate.edu.
http://daytonastate.edu/catalog/adm/transfer_students.html

Students who have attended other colleges and postsecondary institutions must meet the same admissions requirements as new students. Students must request official transcripts from each postsecondary institution attended. The official transcript must be submitted directly to the Admissions Office. Transcripts received from students will not be considered official unless they are in a sealed envelope from the issuing institution.

If official transcripts have not been received or the evaluation is not complete at the time of registration, the student should bring an unofficial transcript when meeting with an advisor for scheduling purposes. Transfer students who have met Daytona State equivalents for ENC 1101 (College Composition) and MAT 1033 (Intermediate Algebra) or higher are not required to take the college placement examinations. Information about Transfer Credit can be found under Transferring Courses and Grades to the Daytona State College Transcript.

Transferring Courses and Grades to the Daytona State College transcript: Once the student's transfer credit evaluation is completed, an email is sent to the FalconMail address and the transfer credit summary report will be available online at the Records section of their FalconNet account

The college will include on the Daytona State College transcript all courses and grades that were attempted at a prior college except for the following:

> courses that meet the Academic Second Chance provisions
> courses that were taken at an upper (junior, senior etc.) level for which there are no comparable Daytona State College courses.

Grades received at prior colleges will be included in the cumulative grade point average, except for developmental courses.

Course Description Information

Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 26 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

Example of Course Identifier

Prefix	Level Code	Century Digit	Decade Digit	Unit Digit	Lab Code
	(first digit)	(second digit)	(third digit)	(fourth digit)	
ENC	**1**	**1**	**0**	**1**	
English Composition	Lower (Freshman) Level at this institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 58 different postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The

student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. **NOTE**: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

Courses not offered by the receiving institution.
For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
Courses in the _900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis and Dissertations.
College preparatory and vocational preparatory courses.
Graduate courses.
Internships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice are not guaranteed as transferable.

Courses at Non-regionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Angela Kennerly in the Office of Academic Affairs at Daytona State College or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

Enrollment Terminology

Daytona State offers college credit and vocational courses as well as college preparatory courses. Students may attend full-time or part-time.

College Credit - Courses that typically lead to a bachelor's or associate degree or college credit certificate, and may transfer to other regionally accredited institutions.

Vocational Credit - Courses that typically lead to a certificate and do not transfer to other postsecondary institutions.

College Preparatory Courses - Courses are designed to help students achieve a specific skill level. Credits earned in preparatory courses will not transfer and are not calculated in a student's grade point average (GPA). Students may not audit a preparatory class.

Audit - Students who do not want to earn college credit for a course or have taken the course before and received a grade of "C" or better may audit a course. College preparatory courses may not be audited. All requisites apply when auditing a course.

Semester Hours - The number of credits assigned to a specific course. The number of hours per week of class varies.

Semester - A 15 or 16-week (also two seven-week sub sessions) period during the fall and spring when classes are in session. Multiple summer sessions are offered starting at various times.

Full-Time Status - A student enrolled in 12 or more credit hours during any semester is considered full-time. A student may combine hours for all sub-sessions within the semester to establish full-time status. Enrollment status may be calculated differently for financial aid and veterans benefits.

Three-Quarter-Time Status - A student enrolled in nine to 11 credit hours during a semester. A student may combine hours for all sub-sessions within the semester to establish half-time status. Enrollment status may be calculated differently for financial aid and veterans benefits.

Half-Time Status - A student enrolled in six to eight credit hours during a semester. A student may combine hours for all sub-sessions within the semester to establish half-time status. Enrollment status may be calculated differently for financial aid and veterans benefits.

Less Than Half-Time Status - A student enrolled in less than six credit hours during a semester. Enrollment status may be calculated differently for financial aid and veterans benefits.

Falcon-Aid Student Help Desk

Falcon Aid, the Daytona State College Student Help Desk, is the first point of contact for students seeking all types of technical assistance, such as FalconMail and FalconNet issues, forgotten passwords, Desire2Learn access used by Online Programs classes, problems accessing websites, troubleshooting software, and even technical assistance with their home computers. Online students can also email the Online Programs Help Desk at online@daytonastate.edu.

Staffed primarily by student workers, Falcon Aid maintains a presence in the Daytona Beach Campus Computing Commons located in the Library. Falcon Aid is available during normal library hours via phone or walk-up. Call 506-4AID for assistance, or email falconaid@DaytonaState.edu

Full Cost of Instruction

The following information applies to courses attempted at Daytona State College only. Courses completed at another institution and transferred to Daytona State are not impacted by the following rules.

Maximum attempts for full cost of instruction in each course:

Students are normally permitted to enroll in the same course a maximum of three times. Students will be assessed 100 percent of the full cost of instruction (the out-of-state tuition rate) on the third attempt unless the college grants a one-time exception to the student due to extenuating circumstances or financial hardship. Students may not withdraw from the third or fourth attempt.

Students are permitted to appeal to take a course a fourth time if they withdrew due to major extenuating circumstances during the third attempt. Students will be assessed the full cost of instruction on the fourth attempt. There is no appeal to reduce the full-cost assessment on the fourth attempt. All grades from the third and subsequent attempts will be calculated in the student's grade point average. *A fifth attempt is not allowed under any circumstances.*

Application forms for an appeal are available at the Question & Answer Center on any Daytona State campus, online at the Registration website, or from the Enrollment Services staff on any campus. The full-cost assessment is the equivalent of the nonresident fee for courses. Additional fee information is available in the Financial Information section of this catalog under the Tuition, Fees and Refunds heading.

Grade forgiveness policies:

Grade forgiveness applies when students repeat the same course in which they earned a "D" or "F" grade. The earned grade from the most recent attempt will be used in the calculation of GPA. (A subsequent "W" grade will not replace an earned grade.) Students may not repeat the same course to improve a "C" grade or better. However, the college will allow a student who returns to Daytona State, or transfers to Daytona State after an extended period of time has elapsed since they had completed a college preparatory class to repeat that class under certain circumstances. The college has established a process that allows students to retake a college preparatory class completed successfully, if their absence from college has been two years or more, and the student retests into the developmental course level. In such cases, students are offered the choice of repeating or moving forward with the understanding that financial aid will not be awarded for a repeated course.

Course Repeats:

Students are not permitted to repeat courses in which a grade of "C" or better was earned. This includes a grade of "C" or better transferred in from another institution. Students may repeat a course for grade forgiveness twice. Upon the third attempt in the same course, the grade earned is a final grade and cannot be forgiven. Students should understand that other institutions may not honor Daytona State's grade forgiveness policy. As a result, students' grade point averages may change when they transfer to another institution. In addition, repeating courses to improve grades may impact a student's financial aid award. Students receiving financial aid should contact the Financial Aid Office prior to repeating any courses. Courses that are designed as "repeatable courses" in the Course Descriptions area of the college catalog may be repeated and are not subject to the forgiveness policy.

Withdrawal Policy:

Students may withdraw from a course any time prior to the final withdrawal date. Students are responsible for the completion of the formal withdrawal process. The withdrawal date deadlines are published in the college's academic calendar. Students who remain enrolled in courses after the final withdrawal date will be assigned a final grade for the course from the faculty. Students are permitted a maximum of two withdrawals in the same course. Upon the third attempt in the same course, a student will not be permitted to withdraw and will be assigned a final grade other than "W" (withdrawal). Students who drop any course during the schedule adjustment period or who enroll in a course as an audit student are not impacted by this policy.

FalconNet Online Enrollment and Student Development

FalconNet is a convenient, secure way to access the information and transactions you need around the clock. FalconNet is available from any computer with Internet access (home, work, public libraries or computers on each Daytona State College campus). Privacy is of the utmost importance to us. Your educational records are protected by FERPA. You can learn more about FERPA and other consumer information in the Student Consumer section of this catalog. Based on FERPA, only you can request or access your student records without your permission. Daytona State College staff cannot discuss personal information over the telephone or by email. You may use all or only selected online services that we offer. Each of the current services accessible from the FalconNet portal is described below.

LOGIN and PIN Numbers

Before you can access FalconNet you will need your College ID number and your College PIN. Your College ID and PIN are the gateway to FalconNet. The first time you access FalconNet your PIN is set as your 6-digit birth date. You are required to update to a new PIN number (for your security) and to enter a hint question. It is important to keep a record of your PIN and hint question to access FalconNet again in the future. You can save yourself the inconvenience of losing access by maintaining a record of your PIN. The hint question will appear if you forget your PIN and attempt to change it. Answering the question will reset your PIN to your birth date and you will be required again to change it. Any other PIN number changes require a signed request to the Records & Registration Office. This request must include your name, Student ID number and your signature. You may fax the request to (386) 506-4489. Requests are processed the same business day they are received. You may also come to the Question and Answer Center or Falcon Center at any campus and show identification to reset your PIN number.

Student privacy laws prevent us from changing PIN numbers based on a telephone or email request.

Browse College Catalog

View and print the most current version of the Daytona State College catalog.

Course Availability

Search the class schedule, looking for open classes that meet your personal scheduling needs. Using the Advanced Search feature, you can search for classes offered by sub-session, on a specific campus, or for classes offered 100 percent online, as well as other criteria.

Orientation

Orientation is an important step to being enrolled and is required of all new and readmitted students. It is geared toward preparing you to be as successful as possible while you are here. Orientation covers schedule planning, important departments you should be aware of, as well as other tips that can help you make the most of your experience with us.

Transcript Requests

View and print your unofficial transcript via FalconNet. Official transcripts must be ordered online using your FalconNet account.

View Student Schedule/Grades

Look up your schedule and/or your grades under this option. Grades are not mailed each semester. You must access your grades through this option.

Financial Aid Award Status

Access your award status by semester using this option.

Class Registration

Register for your classes using FalconNet. Credit card payment is also available through this option. After registration you should print your Schedule and Fee Statement so that you will know your bill due date and the amount of tuition and fees owed.

Transfer Evaluation

Allows students transferring to Daytona State College to access the evaluation of credit from the previous institution or institutions attended. This is especially helpful to access prior to registration. If it is not available online, the evaluation has not been completed.

Degree Audit

Provides you with a comparison of courses for which you have earned credit with the courses you need to complete your degree or certificate program.

Personal Information

Allows you to update or change your address, phone number and major so College staff can contact you about courses, events and upcoming registrations.

Student Help Desk

Provides you with troubleshooting information and frequently asked questions about using the Web, FalconNet and some basic computing tutorials. NOTE: This is not a live, technical support site.

FalconMail (Student Email)

FalconMail is email available to all current students, faculty and staff at Daytona State College. Though FalconNet is convenient, we still offer parallel, traditional, on-campus services.

College Communications

The college will communicate using the college sponsored email, FalconNet, and portal information. Students must check

FalconMail routinely and well as review the portal sites within FalconNet. All communications regarding transcript evaluation and appeals are done using FalconNet email, as well as emails about upcoming registration and graduation deadlines. Financial Aid and billing information are done through the respective portal sites. Students are responsible for routinely checking FalconNet and the portal for important information.

Question and Answer Center

The Question and Answer Center is where students can go to complete many student services in one place. Services include the following:

Appeals Applications
Transcript Requests
Enrollment Verification Requests
Independent Study Requests
Reinstatement Requests
Late Registration Requests
Registration Issues

The Center is located in the Wetherell Center, rm. 119m, on the Daytona Beach Campus. Similar services are available at all regional campus Enrollment/Falcon Center offices. The Falcon Center is an online student service center where students can complete online transactions. Students can receive help navigating online student services at the Falcon Center on any campus. Students can complete the following transactions online or in the Falcon Center.

Add/Drop
Change of Address
Orientation
Pay Tuition
Print Schedule and Fee Statement
Print Class Schedule
Register
Reset Student PIN Number
Request a Degree Audit
Request Official Transcripts
Request Enrollment Verification
Withdraw from Classes
Request Transient Form at www.facts.org
Unofficial Transcripts

Student Identification Cards

Student Identification cards will give you access to the library, aquatic center, fitness center, computer commons and student activities. To obtain a free ID card, take a copy of your class schedule and a picture ID to Campus Safety on the Daytona Beach Campus, or to the Enrollment Services Office on a regional campus.

Daytona Beach Campus – Bailey Hall (Campus Safety Bldg., 540)
DeLand Campus - Administration Bldg. 7
Deltona Center - Administration Bldg. 1
Flagler/Palm Coast Campus - Administration Bldg. 1
New Smyrna Beach-Edgewater Campus - Administration Bldg. 1
Advanced Technology College - Administration Office

Teacher Certification/Recertification Preparation

Teachers and public school employees who want to take courses for teacher certification or re-certification must complete the admission application. In addition, applicants must:

Contact the certification specialist in their county educational system for additional information and approval of courses before you register
Submit an official transcript showing that a Bachelor's degree was previously earned
Receive clearance as a volunteer by Volusia County Schools. Download the Application to Volunteer and submit to the address at the top of the form. In the 3rd box, indicate "Daytona State College" as the College Name and "admissions@daytonastate.edu" as the Professor's Name. Inaccurate or incomplete information may delay your results. The clearance is good for five years.
Submit a tuition waiver form if your county educational system will be paying for the classes.

Check the academic calendar for specific dates for the registration of state employees.

Transcription information

If you plan to transfer to another four-year college or university, you should visit Career Services or the Career Services Web site http://www.daytonastate.edu/career_services/

Connect with your next College or University early in your enrollment at Daytona state. Stay on track to complete the specific courses you need. This will ensure a smooth transfer.

Learn about dates to meet College and University recruiters on campus
Attend the annual College Transfer Fair
Attend the monthly College Transfer Workshop
Use the free transfer handbook to research your favorite College or University
College Matchmaker - An Internet program that helps you find the college that's just right for you

Transient Students from Other Institutions

Students currently enrolled in college degree programs at other institutions must meet the following requirements to take courses at Daytona State College as a transient student and have their course credits transfer back to their primary institution:

The student attending a Florida public college or university should complete the Transient Student Admissions Application available online at www.flvc.org.

The student attending a private college or out-of-state public college or university must complete the admissions application available at the Daytona State College home page.

Students must submit a letter or Transient Student (or Transfer Credit) Form from their institution, academic dean or department chairperson to the Registration Office authorizing them to enroll at Daytona State College as a Transient Student. If you are meeting with an advisor to assist you with course selection, make sure to share this form with them for verification of eligibility to enroll in the Daytona State College courses that you plan to take. Students assume responsibility for selecting the appropriate courses that meet their educational objectives. They also are responsible for ensuring that their institution will accept each course taken at Daytona State College toward their program of study. By signing the Transient Student (or Transfer Credit) Form, your primary college is verifying that you meet the prerequisites for the courses being approved.

Once approved by your home college, a course authorization will be put into your student record for each course indicated on your transient form. Please note that your approved form does not secure a seat in your course(s), and you must still register for the course.

Please remember that, as a transient student, you will not be able to perform any registration functions (register, drop or withdraw) online through the FalconNet. You may go to any Daytona State College Enrollment Office/Falcon Center and the staff will assist you in registering, or with other transactions.

If you cannot visit a Daytona State College campus, you can reply to the approval email with your specific information for each approved class. Please list your name, the course prefix/number for each class along with the section number, and your Daytona State College ID# and the Registration Office will register you.

Financial Aid Consortium Form must also be completed between the Daytona State Financial Aid Office and that of the home college for students who are receiving for financial aid. Effective in 2012-2013, Florida's public colleges and universities may have an overall consortium agreement administered by www.FLVC.org, so individual agreements may not be necessary.

Transients students are required to pay the bill when due.

Transient students are responsible for requesting an official to be sent to their home institution after completing course(s).

As a transient student, you will be subject to the rules, policies and procedures of Daytona State College regarding all academic and registration issues. Under no circumstances will you be able to receive a grade for the course you are taking prior to the dates indicated in the Academic Calendar. Please consider enrolling in an A subsession course, if you will need a grade to be submitted to your home institution before the normal end of the B subsession or full-term course.

To be a Transient Student:

Students currently enrolled in college degree/certificate programs at Daytona State must meet the following requirements if they want to take courses at other regionally accredited institutions and have them transfer back to Daytona State:

Complete the Transient Student Form request available on line via www.FLVC.org.

Submit a Transient Student Form and have it approved by the Records Office. If applicable, the student must have the approval of the associate of science/certificate program chairperson before credits will be accepted. Daytona State is not responsible for the acceptance of any credit other than

the credits approved by Daytona State.

Students must be in good standing, academically and financially, with a cumulative Daytona State GPA of 2.0 or better. First-semester students must also be co-enrolled for Daytona State College courses.

Students must provide the Record's Office with a course description for each transient course requested. This must accompany the Transient Student Form.

Students must have successfully completed the appropriate pre-requisite(s) for each transient course requested.

All courses taken as a transient must be applicable to the student's program of study at Daytona State.

Students receiving Veteran's Benefits must obtain approval from the Veteran's Affairs Office.

A student wishing to receive financial aid, while taking courses at another college as a transient student, must complete a consortium agreement indicating the course name, credits and cost signed by the other college and presented to the Daytona State Office of Financial Aid. Effective in 2012-2013, Florida's public colleges and universities may have an overall consortium agreement administered by FACTS.org, so individual agreements may not be necessary.

All hours taken as a transient will be recorded on the Daytona State transcript once the official transcript is received form the host college and will be computed in the GPA along with the credits earned at Daytona State. Students must remember the college residency requirement is 25 percent of the degree requirements.

It is the student's responsibility to furnish the Office of Admissions with an official transcript upon completion of approved coursework.

All tuition and fees owed the other college are to be paid directly to that college.

Daytona State One Card

Overview

The Daytona State OneCard signifies your status as a student and provides you with options on how to receive your student refunds.

Each registered student will be issued a Daytona State OneCard. Your card will arrive in the mail at your primary address on file with the College. You should receive it in the mail approximately 7 – 10 business days from the date of your first registration for college credit or vocational courses.

Once you receive your Daytona State OneCard you must activate the card. During card activation, you will select a refund preference. This is the method by which you will receive any student refund from Daytona State (except credit card refunds). You will activate your card and make your refund selection online at www.daytonastateone.com. Regardless of whether you anticipate that you will receive a refund, it is important for you to activate your card and choose a refund preference.

The Daytona State OneCard puts the power to choose in your hands. You get to make the choice on how to receive your student refunds. Your options include:

Directly depositing your refund into your Daytona State OneAccount. This option is referred to as the Easy Refund. The OneAccount is a fully functioning FDIC insured free checking account with no minimum balance and includes free internet banking features. With this option, your Daytona State OneCard functions as a debit card for the account and can be used to make purchases anywhere Debit MasterCard is accepted. Your refund will be deposited within 1 day or less with this option.

An ACH transfer (direct deposit) to another bank account of your choice. Your refund may take 2 – 3 days for your bank to make the funds available in your account.

For more information about the Daytona State OneCard or to check the status of your card if you have not received one yet, log on to www.daytonastateone.com. Use the "Where's my Card" feature to check the status of your card and use the EasyHelp feature to get answers to any additional questions you may have. You may also call or visit the Office of Student Accounts for additional information.

Refunds

Daytona State has partnered with Higher One, a banking company, to disburse all student refunds. When Daytona State is ready to process a refund batch, Daytona State will send Higher One a list of the students owed a refund along with a wire transfer of the funds to be disbursed. Higher One checks that there are no errors in the file or the wire transfer and then starts refund disbursement. Refunds are usually available on Fridays between 3:00 pm and 6:00 pm.

In order to receive a student refund, you must have activated your Daytona State OneCard and have chosen a refund preference. Your refund options include:

Directly depositing your refund into your Daytona State OneAccount. This option is referred to as the Easy Refund. The OneAccount is a fully functioning FDIC insured free checking account with no minimum balance and includes free internet banking features. With this option, your Daytona State OneCard functions as a debit card for the account and can be used to make purchases anywhere Debit MasterCard is accepted. Your refund will be deposited within 1 day or less with this option.

An ACH transfer (direct deposit) to another bank account of your choice. Your refund may take 2 – 3 days for your bank to make the funds available in your account.

You may change your refund preference at any time by logging in to your account at www.daytonastateone.com. From the main menu bar select "Financial Refunds" then "Refund Preference".

Your OneAccount

Your OneAccount is a fully functioning FDIC insured free checking account with no minimum balance and includes internet banking features.

Your Daytona State OneCard serves as a debit card for this account and can be used to make purchases anywhere MasterCard is accepted. When using your OneCard to make purchases, always choose "credit" instead of "debit" at the checkout. When you swipe the card and sign the receipt, you won't be charged the PIN-based transaction fee. Your Daytona State OneCard is a DEBIT card and not a CREDIT card.

You can check your available balance on your online OneAccount statement to make sure you have enough money available to cover any purchases or cash withdrawals. It's updated in real-time and is available 24 hours a day. Checking your balance frequently will help you to avoid insufficient funds bank fees.

You can use your Daytona State OneCard to withdraw cash at any ATM machine in the Pulse network of ATMs. Keep in mind that a "foreign" ATM fee will apply. However, there are fee-free ATM machines available so you can avoid a foreign ATM fee.

The OneAccount User's Guide includes information on how to use your OneAccount for free, how to make a deposit, how to set up recurring bill payments, how to read your online statement, how others can send you money, and includes information on other fee-based banking services available to you. Click here to download a pdf version of the OneAcount Users Guide or go to www.daytonastateone.com.

Daytona State OneAcount Users Guide

OneAccount Users Guide

ATM Locations

Fee-free ATMS are available in the following locations:

> Daytona Campus Building 210 – Karl Learning Resources Center lobby
> Daytona Campus Building 500 – Baker Academic Support Center lobby
> DeLand Campus Building 7 – Administrative Services lobby
> Flagler Campus Building 2 - Academic Hall Room 120

Reset Password

If you have forgotten your password, you should log on to www.daytonastateone.com and click on the Reset Password link under the Current User Login area. You will be prompted to enter your email address. Once you click submit, you will be given 4 digits of the password. You will receive an additional 4 digits of the password via the email account given.

Report Lost Card Or Request Replacement Card

For your safety and convenience, it is important that you report a lost or misplaced Daytona State OneCard immediately.

If you have never activated your Daytona State OneCard, a replacement card will be sent at no charge upon verification of your current address by calling the Office of Student Accounts.

If you have previously activated your Daytona State OneCard and the card is lost or misplaced, you should report it immediately by logging in to www.daytonastateone.com and clicking on "Profile" then "Card Status" and then "Report Lost". You will be charged a replacement fee of $20.

e-Cashier Payment Plan

Daytona State College is pleased to announce our partnership with Nelnet Business Solutions to offer a tuition installment plan. Enrollment is easy and completed online so it eliminates the need to come in to one of the campuses. Students can either choose automatic ACH bank transfers or automatic credit card payments to make their tuition installment payments. There is no interest; but there is an enrollment fee which varies ($25, $30, or $35) depending on the number of installment payments in the plan.

To enroll:

> Go to Daytonastate.edu
> Click on the MyDaytonaState portal at the top and log in using your student id and pin
> Click on the FalconNet tab
> Click on Payment on the left navigation menu
> Click on e-Cashier Payment Plan

Once the school receives confirmation of your enrollment, a purge hold will be placed on the account to keep the courses from dropping until the College receives payment from Nelnet. You will only be able to have one agreement per semester. So, you should register for your A term courses and your B term courses at the same time.

If you stop making your tuition installments, your agreement will be terminated and your courses will be dropped if not paid in full within 48 hours. Any refunds for previous payments made will not occur until the funds are received by the College which may be up to 45 days after the last day to drop/add courses for the semester.

If you have any questions regarding the e-Cashier payment plan, please contact the Office of Students by email at studentaccounts@daytonastate.edu or by phone at 386-506-3024.

Falcon Loans and Book Deferments

Falcon Loans

Falcon Loans have been replaced with the e-Cashier Payment Plan. However, a limited amount of Falcon Loans may be available when the e-Cashier has closed. Generally, students must make a down payment of 50% of the cost of tuition. The Falcon Loan will be awarded to cover the other 50%. A service charge of $40.00 per loan will be assessed in lieu of charging interest.

Loans for full semester courses are due 60 days from the start of classes. Loans for 7 week classes or late start classes vary but will always be due before the end of the semester. If the loan is not paid in full by the due date, a late fee will be added to the account. Late fees are 5% of the total amount due OR $10.00 whichever amount is greater.

From the date the loan is awarded until it is paid in full, a hold will be placed on the borrower's records, diplomas, and transcripts. The hold will also prevent any future registration activity including withdrawals. The loan will be referred to an outside collection agency and to appropriate credit bureaus in the event of default. Resulting collection costs will be added to the original loan and the student must pay these costs and attorney's fees if applicable.

Falcon Loan Application - Bring completed loan applications to the Office of Student Accounts on the Daytona Campus or to the Enrollment Center on any other campus.

Book Deferments

Book deferments are available to students who have applied for financial aid and have submitted all required paperwork but who have not yet been awarded. Deferments are based on the number of credit hours the student is enrolled:

Student is Registered For	Book Loan Amount
1 – 5 credits	$200
6 – 8 credits	$325
9 – 11 credits	$500
12 or more credits	$650

Additional amounts may only be approved with appropriate written documentation verifying the cost of the books or required supplies.

Book deferments can only be used for new purchases at the Daytona or DeLand Daytona State Bookstore. Deferments can not be used on previous purchases or at any bookstores other than the Daytona or DeLand Daytona State Bookstores. Funds may be used to purchase required books and supplies only. If a student does not use the full amount of the deferment, the charge to the student account will be reduced to the actual amount spent at the bookstore. Books that are returned to the bookstore will be credited back to reduce the amount of the deferment if they are returned by the bookstore refund deadline. No cash refunds will be given.

Unpaid book deferments will result in a hold being placed on the student's records, diplomas, and transcripts. The hold will also prevent any future registration activity including withdrawals. Outstanding deferments will be referred to an outside collection agency and to appropriate credit bureaus in the event of default. Resulting collection costs will be added to the deferment amount and the student must pay these costs and attorney's fees if applicable.

Book Deferments are available in the Office of Student Accounts on the Daytona Campus or in the Enrollment Center on any other campus.

Veterans Deferment

Veterans eligible for VA education benefits are granted a deferment once per academic year. See the Veterans Specialist in the Financial Aid Office in Building 100 Room 104 on the Daytona Beach Campus to apply for a deferment. The deferment may be for up to 60 days, but will always be due before the end of the semester. This deferment must be paid by the due date whether or not benefit checks are received from the United States Department of Veterans Affairs.

From the date of this deferment until it is paid in full, a hold will be placed on the borrower's records, diplomas, and transcripts. The hold will also prevent any future registration activity including withdrawals. The deferment will be referred to an outside

collection agency and to appropriate credit bureaus in the event of default. Resulting collection costs will be added to the original deferment and the student must pay these costs and attorney's fees if applicable.

Emergency Loans

Limited funds may be available to assist students with an emergency or crisis financial situation. These funds are not intended to substitute for financial aid and will be deducted from the first available financial aid the student may subsequently receive. The funds are awarded based upon an individual's documented need.

A service charge of $1.00 per hundred of principal (or portion thereof) will be assessed in lieu of charging interest. You may have up to 60 days to repay the loan. However, the loan may be due sooner depending on the number of days remaining in the semester. If the loan is not paid in full by the due date, a late fee will be added to the account. Late fees are 5% of the total amount due OR $10.00 whichever amount is greater.

From the date the loan is awarded until it is paid in full, a hold will be placed on the borrower's records, diplomas, and transcripts. The hold will also prevent any future registration activity including withdrawals. The loan will be referred to an outside collection agency and to appropriate credit bureaus in the event of default on the loan. Resulting collection costs will be added to the original loan and the student must pay these costs and attorney's fees if applicable.

Title IV Repayment

A Title IV Repayment is a receivable that results from a mandatory federal requirement to return Title IV funds to the U.S. Department of Education when a student withdraws or ceases attending all classes. Title IV funds include Pell Grants, SEOG Grants, ACG Grants and Stafford Loans. Financial aid awards are based on attendance for the entire semester. When the student withdraws or ceases attendance prior to completing at least 60 percent of the semester, the federal government has determined that the student has not earned the entire amount of the grant or loan. Therefore, the unearned portion must be returned to the appropriate federal aid program.

The student will initially be notified by the Financial Aid Department of any Title IV Repayments. The Office of Student Accounts will follow up with several notices to the student. If the Title IV Repayment is not paid by the due date, this obligation will be referred to an outside collection agency and to appropriate credit bureaus. Resulting collection costs will be added to the original debt and the student must pay these costs and attorney's fees if applicable.

Financial Aid Repayment

A financial aid repayment is a receivable that results from a reduction in a student's financial aid award. The receivable may be for tuition, a book voucher, or a refund the student received before their aid was reduced. Financial Aid may be reduced because the student either dropped all classes, reduced their registered hours (ie. dropped from full time to half time) or otherwise became ineligible for financial aid.

The Office of Student Accounts will notify the student of a Financial Aid Repayment and will follow up with additional notices to the student. If the Financial Aid Repayment is not paid by the due date, this obligation will be referred to an outside collection agency and to appropriate credit bureaus. Resulting collection costs will be added to the original debt and the student must pay these costs and attorney's fees if applicable.

Misc Accounts Receivable

These receivables result from various different scenarios. It may be that a student signed a purge hold agreement and then was either not awarded any aid or was not awarded enough to cover the student's tuition and fees. It may be the result of a balance remaining for an access fee, lab fee or online fee. Or, it may be that a third party sponsor declined to pay and the receivable is now the student's responsibility.

Regardless of the reason for the receivable, the Office of Student Accounts will notify the student of the outstanding obligation and will follow up with additional notices to the student. If the receivable is not paid by the due date, this obligation will be referred to an outside collection agency and to appropriate credit bureaus. Resulting collection costs will be added to the original debt and the student must pay these costs and attorney's fees if applicable.

Financial Aid Disbursements

Direct Loans

Direct Loans are disbursed by the Office of Student Accounts according to federal regulations. All Direct, Alternative, and PLUS loan funds will be sent to the College electronically (by EFT). Loan funds will be disbursed each semester once the registration period is over and once attendance verifications are completed by the instructors. Disbursement dates are listed on the Student Accounts home page under Important Dates.

A student must be registered and currently attending at least 6 credit hours before loan funds may be released. Students enrolled in late start courses are not eligible to receive loan funds until at least 6 credit hours are in progress and attendance verification has been completed by the instructor. Direct Loans for first-time and/or first-year borrowers may not be disbursed until 30 days after the first day of classes. A first-year student is defined as a student who has not completed a minimum of 30 credits in the student's current course of study. If you are a new borrower at Daytona State College, you must complete Federal Direct Loan Entrance Counseling before the funds will be disbursed. Entrance counseling can be completed on the web at www.studentloans.gov.

Federal regulations require loan disbursements to be made in two disbursements. If you attend both Fall and Spring semesters, you will receive one disbursement of one-half of the total loan proceeds in each semester (as long as enrollment in at least six credits is maintained). If you attend one semester only, you will still receive the loan proceeds of one-half of the total loan amount in two disbursements. However, per federal regulations, the second half of the loan may not be disbursed until a minimum of one-half of the semester has elapsed.   Furthermore, students who have less than 6 credits for the A termplus additional classes for the B term will not be disbursed any loan funds until the student is attending the B term (at least 6 credit hours total for A and B) and attendance has been verified by the instructor. Check the Student Accounts home page under Important Dates for first and second disbursement dates.

A process to post Direct Loans to the student account is run once a week on Wednesday night. Once a loan is posted to the student account the College will begin the process of verifying the loan and requesting funds from the federal government. Only those funds that have posted to the student account are actually sent to the College. The College will receive the funds just in time to refund to students on Friday of the week following the posting. Refunds are generally posted to the Daytona State OneCard between 3:00 pm and 6:00 pm on Friday.

All loan funds will be refunded through the Daytona State OneCard process. Tuition, book deferments, book vouchers and any other outstanding balances due the College will be deducted first before any remaining funds are refunded to the student. Refunds are processed according to the refund method that was chosen when the Daytona State OneCard was activated or when the Refund Preference was last updated. You will receive an email or text message from our partner Higher One when your refund has been processed.

PLUS Loans

PLUS loan funds are sent to the College electronically (by EFT). The parent has the option to have the loan disbursement sent to the parent or to the student. Upon receipt of PLUS loan funds, the parent is mailed a Parent PLUS Loans Disbursement Statement which the parent will sign and return to the College. The parent will indicate on the form if they want a check mailed to him/her or if they want the student to receive the refund once all outstanding balances for the student have been paid. If payable to the parent, a paper check will be mailed. If payable to the student, the refund will be processed according to the refund method chosen when the Daytona State OneCard was activated or when the student's Refund Preference was last updated.

Book Vouchers

Book vouchers are available on each campus for registered students whose financial aid awards exceed the student's tuition and fees for the current semester. Financial aid is defined as federal direct loans and any refundable grants or scholarships the student may be awarded for attendance at Daytona State College. Book vouchers are based upon the number of hours the student is enrolled and upon the credit balance remaining after all tuition and fees have been paid. If there is a sufficient credit balance on the student's account, book vouchers are disbursed in the following increments:

Student is Registered For	Book Voucher Amount
1 – 5 credits	$200

6 – 8 credits	$325
9 – 11 credits	$500
12 or more credits	$650

Book vouchers may be issued for partial amounts if there is a remaining credit balance but it is not sufficient to cover the maximum amount allowed.

If a student drops classes after receiving a book voucher or otherwise becomes ineligible for the original amount of financial aid, the student will be responsible for repaying the amount of the book voucher back to the College.

Financial Aid Refunds

If there is a credit balance remaining on a student's account after all obligations are paid, then a financial aid refund will be generated. Financial aid refunds are not generated until registration is over and until the instructors have completed their attendance verifications. The attendance verifications must be complete for each class that a student is registered for or the financial aid refund will be delayed.

In order to receive a financial aid refund, the student must activate their Daytona State OneCard at www.daytonastateone.com and choose a refund preference. One option is to open a free checking account through Higher One and to have the refund directly deposited into this account (funds will be deposited within 1 day or less). The other option is to have the refund transferred to a checking or savings account with an existing bank (funds will be deposited in 2 – 3 business days). Click here for more information on the Daytona State OneCard.

For additional information contact the Office of Student Accounts at 386-506-3024 to speak to a Student Account Specialist. Financial aid refunds that are not deliverable to a student because the student has not activated their Daytona State OneCard will be returned to one of the U.S. Department of Education Title IV programs or to the State of Florida Unclaimed Property Division in accordance with applicable federal regulations or state statutes.

Florida Prepaid College Program

The Office of Student Accounts will bill the Florida Prepaid College Program on the student's behalf. In order to have the Florida Prepaid College Program applied to tuition and fees, the student must either bring in their Florida Prepaid card to the Office of Student Accounts or fax a copy of the card to 386-506-4443. It is the student's responsibility to specify how many hours they would like applied to their student account. Florida Prepaid will cover the following amounts for 2012-2013:

Regular Account	$92.66 per credit hour
Local Fees Account	$104.48 per credit hour
Vocational Courses	$83.92 per credit hour
Baccalaureate Courses	$107.12 per credit hour
Baccalaureate w/ Local Fees	$120.89 per credit hour

The Florida Prepaid program does NOT cover access fees, assessment fees, or lab fees. The student must pay any remaining balance due after Florida Prepaid has been applied by the due date on the Schedule and Fee Statement to avoid cancellation of classes for nonpayment. If a student adds a course after the initial award is applied, it is the student's responsibility to notify the Office of Student Accounts so the award can be adjusted accordingly. If the Florida Prepaid College Program declines to pay any amount billed, the outstanding balance due becomes the student's responsibility to pay.

Third Party Billings

The Office of Student Accounts has agreements with various third party sponsors to bill for tuition and fees on the student's behalf. Each semester the student must submit an authorized Letter Of Intent from the third party who is guaranteeing payment on behalf of the student. This guarantee may NOT be contingent upon the student receiving a particular grade and may NOT be contingent upon the student completing the course. After the 100% refund date, bills are generated and mailed to the third party sponsors. If the third party fails to pay the amount billed, the outstanding balance due becomes the student's responsibility to pay.

Outside Agency Scholarships

The Office of Student Accounts receives scholarship funds from various outside agencies. All outside agency scholarships should be accompanied by a letter from the agency which provides instructions to the Office of Student Accounts as to how the scholarship should be applied. The scholarship will be applied to the student's account once the student has registered for the designated semester. If allowed by the donor and if the scholarship is in excess of the student's tuition, the student may pick up a book voucher at the designated time. Any remaining credits will either be returned to the agency or refunded to the student depending upon the agency's instructions. These student refunds will be handled in the same manner as other financial aid refunds.

Refund Guidelines

The dates to drop a course with a refund are established for each semester and published in the academic calendar and in each semester's schedule of classes. Drop deadlines for "late start" classes can be found at FalconNet Online Services under Online Course Availability or on your Schedule and Fee Statement. Please check the dates carefully. Refunds will not be given after the deadlines.

Any refund due to the student will be applied to any outstanding obligations before any remaining refund is issued. In the event of a nonrefundable waiver or scholarship or in the event of a third party sponsorship payment, the student's refund will revert back to the waiver, scholarship or third party.

Refunds for Adult Education, Continuing Education, or Lifelong Learning courses will be refunded back to the original credit card used for payment or will be refunded by DSC check for payments originally received by cash or check.

Students who pay for college credit courses by credit card will be refunded by crediting back that same credit card in approximately seven to 10 business days following the official drop. Students who pay for their college credit courses by cash or check will be refunded through the Daytona State OneCard process. Each registered Daytona State student will automatically be mailed the Daytona State OneCard.

To receive your refund, you must activate your Daytona State OneCard at www.daytonastateone.com. During this process, you will choose between two options for receiving your refund. You may elect to have your refund directly deposited to your Daytona State OneAccount (funds will be deposited within one day or less), or you may elect to have your refund deposited to another bank account of your choice (funds will be deposited in two to three business days). For additional information regarding refunds go to www.daytonastateone.com or contact the Office of Student Accounts at (386) 506-3024 to speak to a Student Account Specialist.

Refunds will be based upon the following:

> College Credit and Vocational Credit Courses
> > A 100 percent refund will be given if a student drops a course(s) by the date published in the College's academic calendar. For classes that meet on the weekend only, students will have until the next business day following the first scheduled class meeting to drop with a refund.
>
> Continuing Education and Lifelong Learning Courses
> > Courses lasting one week or less - A 100 percent refund will be given if you drop a course before the first scheduled class meeting.
> > Courses lasting longer than one week - A 100 percent refund will be given if you drop a course within five working days from the date of the first scheduled class meeting.
>
> Adult Education Courses
> > A 100% refund will be granted if the student drops the course(s) within 3 business days of the completion of the orientation or within 3 business days from the start of classes if the orientation was completed in the previous semester.
>
> Student Appeals
> > Appeals to drop with a refund after the published deadline must be based upon extraordinary circumstances beyond your control. Supporting documentation is required before the appeal may be considered. For additional information about student appeals, contact the Question and Answer Center. Appeal forms are available at all campuses.

Withdrawals for Tuition Purposes

Students who withdraw from a course will not be entitled to a refund. In addition, any outstanding balances for withdrawn courses must be paid in full prior to processing the withdrawal.

Tuition and Fee Information

Tuition is generally due within 10 business days or less. Please refer to your Schedule and Fee Statement for the payment deadline dates after each registration activity. If fees are not paid by the due date, your registration will be canceled and your classes dropped.

After classes begin, additional late registration fees or reinstatement fees may apply and payment of all charges will be due at the time of registration. If you are canceled one time for non-payment, and subsequently re-register, your bill will be due in one business day.

You may pay your tuition and fees by cash, check, money order, debit card, VISA, MasterCard, Discover Card or American Express. Online payment processing is available through the MyDaytonaState portal. Payments may also be made in person at any campus or by mail. Please DO NOT SEND CASH BY MAIL.

YOU SHOULD KNOW THAT:

Daytona State's tuition and fees are based upon your status as a legal permanent Florida resident. Daytona State follows the state's guidelines regarding residency for tuition purposes. See Florida Residency for Tuition Purposes. Students who have not completed the residency process completely, or those whose residency cannot be determined, will be charged the non-resident rate until a final determination is made.

Fees to audit a course are the same as the cost of a credit course.

Many courses require lab fees, distance learning fees, and/or insurance fees in addition to per credit tuition charges.

Full-cost charges (equivalent to non-resident tuition charges) will be assessed to students who repeat a course(s) for the third time. See Full Cost of Instruction, Maximum Attempts, Grade Forgiveness and Withdrawals for more information.

Personal checks are accepted only for the exact amount of fees.

Students assume the responsibility to drop classes before the end of the drop period for each term and subsession. Otherwise payment will be expected, regardless of attendance. Please review the Academic Calendar for these important dates for each term and subsession.

Students accept responsibility for meeting the prerequisite course requirements for every class they are enrolled for. It is student's responsibility to withdraw from a course if they withdraw or fail a prerequisite class. If the student decides to remain in the class without meeting the prerequisite, the student will do so at their own discretion and liability.

If you need financial assistance, contact the Financial Aid Office before you register.

All unpaid obligations, regardless of whether they are past due or current, result in a hold being placed on student records, diplomas, transcripts and registration activity until the obligation is paid in full.

EXCESS HOURS ADVISORY STATEMENT

Since many of our graduates will eventually transfer to a state university, students should be aware of a new provision affecting the tuition charges at the universities. Section 1009.286, as amended Florida Statutes, establishes an "excess hour" surcharge of 100% for a student seeking a baccalaureate degree at a state university. It is critical that students, including those entering Florida colleges, are aware of the potential for additional course fees.

"Excess hours" are defined as hours that go beyond 115% of the hours required for a baccalaureate degree program. For example, if the length of the program is 120 credit hours, the student may be subject to an excess hour surcharge for any credits attempted beyond 138 credit hours (120 x 115%).

All students whose educational plan may include earning a bachelor's degree should make every effort to enroll in and successfully complete those courses that are required for their intended major on their first attempt. Florida college students

intending to transfer to a state university should identify a major or "transfer program" early and be advised of admission requirements for that program, including the approved common prerequisites. Course withdrawals and/or repeats, as well as enrollment in courses non-essential to the intended major, may contribute to a potential excess hours surcharge.

This law was passed by the Legislature to encourage each student to complete the baccalaureate degree in the most efficient way possible.

Tuition and Fee Schedule 2012-2013

Application Fee
There is no charge to apply for admission to Daytona State College, except for international students who are assessed a $50 non-refundable application fee. The College does charge a one-time, non-refundable $30 assessment fee to all students, including international students, at the time of initial enrollment.
College Credit and College Preparatory Credit Courses
Florida Residents - $104.48 per credit hour
Non-residents - $406.80 per credit hour
Access Fee - $7.90 per credit hour
Distance Learning Course Fees - $19.50 per credit hour
Lab Fees (vary by course) - $2- $387
Fees for Vocational Credit Courses
Florida Residents - $83.92 per credit hour
Non-residents - $335.67 per credit hour
Access Fee - $7.90 per credit hour
Distance Learning Course Fees - $19.50 per credit hour
Lab Fees (vary by course) - $2 - $387
Baccalaureate Fees
Florida Residents - $120.89 per credit hour
Non-residents - $634.13 per credit hour
Access Fee - $7.90 per credit hour
Distance Learning Course Fees - $19.50 per credit hour
Apprenticeship Courses
Apprenticeship students are exempt from registration, matriculation and laboratory fees for instruction.
Fees for Continuing Workforce Education
Fees for these courses, designed to upgrade the skills of workers currently or formerly employed in a specific occupation, must cover the full cost of instruction.
Fees for Adult Education and Vocational Preparatory, including GED Preparation
Florida Residents - $30 per semester Non-residents - $120 per semester
Assessment/Testing Fees
Credit by Exam (APLE) - $35/test
Portfolio (APLE) - $60/course
CLEP - $105/test
CPT Retest - $10/test
TEAS - $50/test
Non-Daytona State Student Test Fee - $30/test
CJ-BAT - $40/test
GED (Full Battery) - $70/test
GED (Per Section) - $14/test
Veterans Deferment of Fees
Veterans eligible for VA education benefits are granted a deferment once per academic year. The deferment may be for up to 60 days, but will always be due before the end of the semester.

Consult the Veterans Specialist in Bldg. 100, Rm. 208 on the Daytona Beach Campus.

Recreation & Leisure, Self-Supporting Courses, Seminars, Workshops, Conferences

Fees will be determined separately for each activity and will be stated in the individual activity announcement. The activity may be canceled because of insufficient enrollment.

Other Fees

Returned Check (per Florida Statute) Minimum - $25

Late Registration Fee - $50 per semester

Reinstatement Fee - $50 per semester

Official Transcript Fee - $5 per transcript

First Parking Permit - No Charge

Additional Parking Permits - $10 each

Parking Fines - $5, $7.50, $10

> Unpaid fines will result in a hold on student records, diplomas, transcripts and future registrations. Repeat offenders may be towed at the owner's expense.

Collection Costs

If obligations are not paid in full upon notification by the College, these debts may be referred to an outside collection agency and to appropriate credit bureaus. Resulting collection costs will be added to the original debt and the student must pay these costs, as well as attorney's fees if applicable. Furthermore, all unpaid obligations will result in a hold on student records, diplomas, transcripts and future registration activity

Career Services

Career Placement Services provides a full range of activities to guide you through your career development and employment search process at the same time you are working on your academic program of study.

To access our full range of career placement activities and services, create your account in Daytona State Career Services Online (CSO), our virtual Career Center, at https://www.myinterfase.com/daytonastate/student/. Start building your future career today. Remember, this is only a small sample of what Career Placement Services can do for you. Career Advisors are available at all campuses. Please see the most recent student handbook for detailed information.

Crisis Counseling Services

Daytona State College Counseling Services goal is to support the College mission statement by providing confidential short-term counseling services to students, and link them to local community mental health professionals for long-term counseling, treatment, or therapeutic intervention. Counseling Services helps ensure that students are able to cope with the many demands of student life. They are also assured that under the ethical and privacy legal guidelines they will receive professional treatment. Counselors are licensed and experienced mental health professionals. Services are available to all students on the Daytona Beach campus and all regional campuses.

Counseling services are short-term and focused on helping students continue or return to the college when possible. Services include assessments, crisis stabilization, and community referral. Registered students at Daytona State College can seek free counseling on a wide variety of subjects, such as family concerns, adjustment to college, depression, loss of a loved one, lack of motivation, and much more. Students are given three individual sessions, those that require long-term treatment will be referred to a mental health community provider.

Project Speak

Project Speak stands for "Suicide Prevention Education and Knowledge". This project is a three-year federal grant sponsored program provided by the Substance Abuse and Mental Health Services Administration. The goal of the project is to help raise awareness about the tragedy of suicide among college students. The project staff offers gatekeeper trainings and educational seminars at all College locations to help students, faculty and staff recognize the signs and risk factors in order to help prevent suicides.

Grade Changes and Disputes

I. Grade Change Request and Academic Disputes

Informal Appeals Process for Academic Disputes: The College provides an informal procedure to assist faculty and students in resolving grade disputes. The teaching faculty is authorized to issue grades based on their assessment of the student's level of performance, participation, quality and quantity of work. However, students who believe a faculty member has issued an incorrect grade(s) based on written documentation may seek recourse through the Informal Appeals Process, as outlined below: It is the student's responsibility to request a conference with the instructor (s) involved within 30 calendar days after the end of the term in which the grade was issued. If the student and the instructor agree on the terms and conditions of a grade change or grade dispute the matter will be resolved. If the student disagrees with the instructor the student's next step is to contact the appropriate School Chair. The School Chair may arrange a meeting with the student and/or the instructor in an effort to resolve the grade dispute. If the issue remains unresolved, the matter moves to the Formal Appeals Process.

II. Formal Appeals Process for Academic Grade Disputes

If the grade dispute is not resolved at the level of the School Chair, the student must submit a formal appeal form with supporting documentation in writing to the Question & Answer Center. The Question & Answer Center is located on all Daytona state College Campuses. The Question and Answer center staff will forward the appeal to the appropriate Associate Vice President for review and decision. The student will be notified of the decision in writing. If the student is satisfied with the decision the matter is closed. If the student is not satisfied with the decision, the matter moves to the administrative review process. Reasonable accommodations will be made for distance learning students who are not able to attend meetings on one of the College campuses.

Administrative Review Process for Academic Grade Disputes

If the student is not satisfied with the decision made by the Associate Vice President, the student may request an administrative review process to the Vice President of Academic Affairs and /or the Senior Vice President of Enrollment/Student Development. The student must submit a written request and explain the reason for the administrative review. The Vice Presidents will review the written request and make an appropriate decision. The student will be notified of the decision in writing. Please see the most recent student handbook for detailed information.

Academic Integrity Code

Daytona State College is committed to providing students with quality instruction, guidance and opportunities for academic and career success by fostering academic excellence in a supportive and personalized learning environment. Maintaining high standards of academic honesty and integrity in higher education is a shared responsibility and an excellent foundation for assisting you in making honorable and ethical contributions to the profession for which you are preparing. In order to preserve academic excellence and integrity, the College expects you to know, understand and comply with the Academic Integrity Code, which prohibits academic dishonesty in any form, including, but not limited to, cheating and plagiarism. Grades conferred by instructors are intended to be accurate and true reflections of the coursework actually produced and submitted by you. Suspected violations of the student academic dishonesty code may be reported to the appropriate academic School Chair for resolution. In some cases, students may also be referred to the Judicial Affairs Office for appropriate disciplinary action.For detailed information, please see the most recent student handbook.

The Resolution Process for Academic Dishonesty

The instructor conducting the course may notify the student verbally or in written form that the student is suspected of academic dishonesty and offer an appropriate resolution or academic consequence.

If the matter is not resolved with the instructor, the student has the option of scheduling a meeting with the appropriate school chair. The school chair will review the matter and offer an appropriate resolution or academic consequence.

If the student is not satisfied with the decision made by the School Chair, the student may request a meeting the appropriate Associate Vice President for review and/or resolution. This ends the

formal process for resolving grade disputes and academic dishonesty. The student may request an administrative review to the Vice President of Academic Affairs and/or the Senior Vice President of Enrollment/Student Development. The student must submit a written request and explain the reason for the administrative review. The Vice Presidents may uphold and decision of the Associate Vice President or make an alternate decision. The student will be notified of the decision in writing.

Student's Grade Pending Appeal Decision

Until a decision is rendered, the student's grade for the exam, assignment or project in question may be placed on hold pending an appeal decision. If a decision has not been made by the end of the semester in which the incident occurred, a grade of "Incomplete" may be assigned until the matter is resolved. If the student is found in violation of any form of academic dishonesty, the exam, assignment or project will be graded and an appropriate grade will be assigned by the instructor. The instructor is authorized to issue an "F" failing grade for course in question. Additional discipline sanctions may also be administered by the College Judicial Affairs Office.

Office of Student Appeals

Submitting an Appeal

The appeals process provides students an opportunity to request an exception to a college policy or procedure due to documented extraordinary circumstances. The college will accept an appeal in rare situations involving the following:

Serious illness or personal injury
Unforeseen and unplanned medical emergency
Death of an immediate family member (parent or child)
Non-voluntary military activation.

To submit an appeal, students must:

Complete an appeal form in the Question & Answer Center, or obtain an online application,
Write a personal statement clearly explaining the circumstances surrounding the situation or incident that prevented you from completing the class or courses,
Attach relevant supporting letters from medical providers or other third parties,
Support letters **MUST INCLUDE** a physician's statement, if a medical issue, on letterhead explaining how your condition will prevent you from completing the course(s) you are attempting. For non-medical situations, you must attach letters (on official letterhead) from ordained, clergy, attorneys or mental health professionals to document and explain the occurrence of your extraordinary circumstance.
Due to student privacy protections, please do not submit personal medical records or other private confidential information.

Appeals may be submitted for the following reasons:

Financial Aid Suspension – GPA and/or completion rate
Financial Aid Suspension – Excessive Hours
Waiver of full cost of tuition for the third attempt of a course
Permission for a fourth attempt of a course
Withdrawal from a class after the posted deadline to receive a "W" grade
Request for grade change from "F" to "W"
Administrative Drop with a Refund
Academic Second Chance
Formal Grade Dispute Appeal
College Suspension Appeal
Student Equity Appeal

The appeal application must be complete with all supporting letters attached to the appeal form.

The completed appeal form must be submitted to the Question &Answer Center, Daytona Beach Campus, or to the Falcon Center on any campus. Reasonable accommodations will be made for distance learning students who are unable to come to one of the College campus locations.

Prior to submitting an appeal, please read carefully and completely the information at the Appeal Procedures - Criteria and Deadlines link. Please remember that in order for appeals to be accepted, they must be submitted within the established time frame allowed.

Incomplete and unsigned appeal forms without the required supporting letters(on official letterhead) will not be processed and **WILL BE DENIED**.

Examples of acceptable documentation include:

Dated and signed letters on official letterhead from an attorney, physician, or ordained clergy explaining the extenuating circumstances that prevented you from completing the course or semester. Other examples of acceptable documents include:
Written statements on official letterhead
Copy of an official death certificate which verifies a relationship of parent or child
Copy of non-voluntary official military orders with the date and signature of the commanding officer

Special Notice: Issues involving the following circumstances will not be considered and **ARE NOT** valid situations for requesting an appeal:

Child care issues
Transportation issues
Employment changes
Normal pregnancy
Incarceration
Disagreement with the instructor teaching method
Difficulty learning the course material
College disciplinary actions and judicial sanctions

The appeal forms are available online with a link from the Registration and Records home page. All students, including those who are taking online classes only, must print the forms, and fax, email or deliver the information and supporting documents to the Question & Answer Center located on the Daytona Beach Campus (Bldg. 100, Rm. 119).The fax number is 386-506-3037, or email to registration@daytonastate.edu.Appeals can also be dropped off at the Falcon Center on any campus. Reasonable accommodations will be made for distance learning students who are unable to attend one of the College campuses.

Important Notice: Each student applying for an appeal who is receiving a financial aid award must check with the Financial Aid Office Staff **BEFORE** submitting an appeal. This is necessary to be sure that the requested appeal will not cause unintended problems for your financial aid eligibility. Federal and state financial aid is governed by separate laws and rules regarding standards of progress and course completion. The actions requested by appeals may have an adverse impact on your financial aid award. Please be advised that even if your appeal is approved you may be required to pay back all or part of any financial aid that you received.

Appeals Decisions

All appeals will be reviewed and processed in the order they are received provided:

The appeal form is signed by the student and is complete
It is submitted by the established timeline
All relevant supporting letters are attached to the appeal form.

Appeal decisions will be made as quickly as possible. Review of an appeal will not begin until it is complete. Lack of supporting letters will delay an appeal from being reviewed. Some appeal decisions will require contact and verification with multiple members of the college community.

All appeal decisions will be sent to the student's Daytona State Falcon Mail account only. Please activate and check your falcon-mail account on a regular basis for official notification regarding the status of your appeal. For more information, see falconmail at www.DaytonaState.edu.

Each appeal will be reviewed in relation to the disbursement of financial aid funds. State and federal financial regulations regarding student enrollment may require you to pay back part or all of any financial aid funds you may have received.

All appeal forms and supporting letters used as documentation are subject to verification for authenticity. If it is determined that letters have been forged or misrepresent the facts, the student will be referred to the Judicial Affairs Office for appropriate

disciplinary actions.

Prepare for Your Future

Getting a Job through Career Services

Career Services provides complete support for Daytona State College students seeking employment. Whether you are trying to find a temporary job while attending Daytona State, or preparing for your first job in your profession following graduation, we have specialized expertise to help you accomplish your goal.

Before you graduate, you must be especially well prepared for the job search. The job market is very competitive at this time. You must know how to distinguish yourself above the rest.

> Create a great resume of your accomplishments and skills.
> Know the names of the employers in your field who will hire you.
> Know what they are looking for in qualified candidates.
> Make yourself the most qualified applicant for the job.

Find out how to do all of these things through Career Services.

Some of our services include:

> Workshops –
>> Create Your Resume, College Transfer, Interviewing Techniques
> Perfect Interview
> Business Etiquette
> Dress for Success
> Employer Recruitment Visits
> Job Fairs
> University Recruitment Visits and Fall Transfer Fair
> Career Services Online (CSO): https://myinterfase.com/dbc/student/
>> Job search Assistance with Reference USA
>> Job Database
>> Employer Services/Recruitment Events
>> Co-op/Internships
>> Job Fairs
>> Job Tips
>> Event Calendar

For additional information, contact:
Daytona Beach Campus, Bldg. 100, Rm. 205
(386) 506-3073

DeLand Campus, Bldg. 7, Rm. 136
(386) 785-2074

Flagler/Palm Coast Campus, Bldg. 2, Rm. 100E
(386) 246-4803; or (386) 506-3073, ext. 4422 and 3559

New Smyrna Beach-Edgewater Campus, Bldg. 1, Rm. 151F
(386) 506-3687, (386) 506-6313

Judicial Affairs Office

Daytona State College is responsible for providing a safe teaching and learning environment in which all of its students can realize their academic and career goals. The College experience is a privilege that is afforded to students. All students are expected to abide by and be held accountable for violations of the College Code of Conduct Rules for acceptable behavior.

Students who choose to a member of the College Community accept the responsibility to be informed and acquainted with the College regulations. Students are expected to comply with all of the College regulations and respect the personal rights and property of other members and guests of the College Community.

The College is committed to provide a learning environment that is safe, secure, respectful, and free from threats of violence of any kind. The College administration reserves the unilateral and unlimited right to waive, suspend, alter or amend any policies, procedures, guidelines or practices to insure public safety and the safety of students, employees and guests of the College.

The Judicial Affairs Office is responsible for administering disciplinary actions for student conduct that is inconsistent with the College's rules for acceptable behavior. Students who are accused of violating the College rules, policies, procedures, and practices will be provided with an opportunity to respond to an allegation unless a College restriction or law enforcement trespass is warranted. The Judicial Affairs Office staff may conduct judicial administrative meetings or student disciplinary hearings as a means of resolving complaints against students. Reasonable accommodations will be made for distance learning students who are unable to attend meetings on one of the College campuses. For more detailed information about sexual harassment, student equity, religious observances, AIDS, drug testing procedures and the College computer acceptable use policies, please see the most recent student handbook.

Student Disability Services

The goal of Student Disability Services is to promote student independence, arrange reasonable accommodations and course substitution requests for students with disabilities. Our objective is to empower students with disabilities to become self-advocates and support access to college academic and career programs.

In order to receive services, a student must meet personally with a Student Disability Services (SDS) advisor and provide current written verification of his/her disability from a licensed physician, psychologist or mental health professional. The professional must have the credentials to render an appropriate diagnosis on a valid measurement scale. Students requesting accommodations for any Daytona State College placement exam must meet with an SDS advisor prior to scheduling the exam to arrange certain accommodations.

Student Disability Services are available on all Daytona State College campus. Reasonable accommodations will be made for distance learning students who are unable to attend meetings on one of the College campuses. For more detailed information, please see the most recent Student Handbook 2012-2013 - Updated September 2012 (PDF) .

For more information please contact:
Director of Students for Disabilities and Counseling Services
Daytona State College
1200 West International Speedway Blvd.
Wetherell Building Annex, Room 108
386-506-3814

Please visit our Student Disability Services website for more information and contact info.

Read our Equity Statement.

Office of College Equity

Daytona State College prohibits discrimination and assures equal access, equal educational opportunity and equal employment opportunity to all persons regardless of age, ancestry, belief, color, disability, ethnicity, genetic information, gender, marital status, national origin, political affiliation, race, religion, sex, and veteran status. Our pledge covers recruitment, admission, registration, financial help, counseling, advising, course offerings, extracurricular programs, facilities, health services, athletics, employment and its privileges and benefits. To obtain more information about the College's equal access and equal opportunity policies, procedures and practices, please telephone Lonnie Thompson, Director of Equity & Inclusion, at (386) 506-3973, or write to him at: 1200 W. International Speedway Blvd. Daytona Beach, Fl. 32114

Lonnie Thompson
Director of Equity & Inclusion
Wetherell Center, Bldg 100, Room 316
(386) 506-3973

Student Policies, Rights and Responsibilities

Daytona State College has established specific policies and procedures to ensure the rights, integrity and safety of all members of the college community. Each year a Student Handbook 2012-2013 - Updated September 2012 (PDF) is published with the following information:

Student Code of Conduct
Academic Integrity Policy
Computer Network & Internet Acceptable Use Policy
Infectious Diseases Policy
Drug Free Schools and Campuses Policy
Grievance Procedure
Due Process Procedure
Appeals Procedures

The Student Handbook 2012-2013 - Updated September 2012 (PDF) is available on all campuses. It is distributed by the Office of Student Activities. For more information call (386) 506-3131.

Aquatic/Fitness Center

The L. Gale Lemerand Health, Wellness and Community Education Center is located on the Daytona Beach Campus. In addition to being home of the Falcons basketball teams, the center also features one of the most comprehensive fitness training facilities in Florida, including state-of-the-art weight training and aerobic equipment and an Olympic-sized aquatic center.

More information can be found on the Web at http://www.daytonastate.edu/fitness_ctr/ or http://www.daytonastate.edu/aquatic_ctr/

Campus Locations

Advanced Technology College Campus
1770 Technology Blvd., Daytona Beach (Locator Map)

The Advanced Technology College campus (ATC) is located on Williamson Boulevard near LPGA Boulevard in Daytona Beach. The facility includes occupational classrooms and lab areas with brand new, state-of-the-art equipment designed for each specific program. The campus also includes Internet and network connections, science labs, a media center and open computer labs. The two-story classroom area surrounds an enclosed atrium that is the site of exhibits and gatherings. The ATC is designed to serve a wide variety of students supporting many of the computer majors, Bachelor of Engineering Technology and vocational programs. Community college students who seek additional technological training or degrees should apply as well as high school juniors and seniors in Volusia and Flagler counties.

Daytona Beach Campus
1200 West International Speedway Blvd. Daytona Beach (Locator Map)

The Daytona Beach Campus is the largest of the institution's campuses and houses the College's primary administrative offices, including Admissions, Financial Aid, and Bachelor of Applied Science and Supervision and Bachelor of Science in Education programs. Special features include the Mori Hosseini College of Hospitality Management, which also hosts our Southeast Museum of Photography, a branch campus of the Florida State University College of Medicine and the News Journal Center which is home to some of the area's finest performing arts productions. It also boasts the new Daytona Advanced Technology Education Center (DATEC) which features state-of-the-art computer stations for the latest training in high-tech careers. Also located on this campus is the Lemerand Center, an outstanding education multiplex; ; a child care facility serving Daytona State student parents, staff and community members;

DeLand Campus
1155 County Road 4139, DeLand (Locator Map)

The DeLand Campus offers college credit courses which meet the general education requirements for the associate of arts degree and some associate of science degree programs as well as various certificate programs. The Bert Fish Building houses up-to-date facilities for dental assisting, dental hygiene, nursing, science labs and a multi-media learning center. Comprehensive student support services include: admissions, enrollment, financial aid, placement testing, counseling, Student Disability Services, The Center for Women and Men, career advisement, individual tutoring, a computerized learning/tutoring center and a foreign language laboratory. Campus facilities include a comprehensive Library.

Deltona Campus
2351 Providence Boulevard, Deltona (Locator Map)

The Deltona Campus is provides access to quality postsecondary education and advanced training in the rapidly growing Deltona area, situated in the midst of the Florida High-Tech Corridor. A variety of Daytona State's business and industry training programs, Bachelor of Applied Science in Supervision and Management, as well as technology, nursing and cosmetology disciplines are housed at the Deltona facility. The first building features 42,000 square feet of space, including classrooms, computer labs, and administrative offices. Enrollment services, placement testing and academic advising services for all college credit and Adult Education programs, including English for Speakers of Other Languages (EOSL) courses are available.

Flagler/Palm Coast Campus
3000 Palm Coast Parkway Southeast, Palm Coast (Locator Map)

The Flagler/Palm Coast Campus offers college credit courses which meet the general education requirements for the associate of arts degree and many requirements for the associate of science degree programs in addition to college preparatory courses. Also offered to individuals who plan to enroll at the college are adult basic education, general education (GED) and English for Speakers of Other Languages (ESOL) courses. Students can also take the first year of the two-year Associate Degree Nursing Program. On site student services include: Academic and Financial Aid Advising, Registration/Student Accounts, Student Disabilities Services, and the Women's Center. Facilities include a Nursing laboratory, two science laboratories, state-of-the-art "smart classrooms", an academic support center, a student computer lounge, and a unique college/community use amphitheater. On site student services include: Academic and Financial Aid Advising, placement testing and registration and/student accounts.

New Smyrna Beach-Edgewater Campus

940 Tenth Street, New Smyrna Beach (Locator Map)

The New Smyrna Beach-Edgewater Campus offers college credit, college preparatory, continuing education, adult high school, adult basic education, general education development (GED)/courses. All general education requirements for the associate of arts degree and many requirements for associate of science degree programs may be completed at New Smyrna Beach-Edgewater Campus. The campus has expanded its nursing, health occupations, science, computer, engineering, public service and occupational programs. It also has two science laboratories, a nursing laboratory, a learning center and state-of-the-art "smart classrooms." On site student services include: Academic and Financial Aid Advising, placement testing and registration and/student accounts.

College Bookstore

Daytona State College, in partnership with the Follett Higher Education Group, operates the Daytona State College Bookstores. The Daytona State College Bookstores are the authorized source for required course materials, recommended study aids, school supplies, educationally discounted software, nursing and medical reference books, Daytona State clothing, gifts and more. Store hours and services vary by campus.

Bookstore information can be found in the class schedule books or by calling the phone numbers listed below. If you are calling from a Daytona State campus site, just dial the extension listed.

Shop your efollett Daytona State Bookstore online or visit one of our Campus Bookstores.

Daytona Beach Campus (386) 252-2206
Building 200, 1200 International Speedway Blvd
Daytona Beach, FL 32114
Bookstore Hours
For hours of operation please contact the bookstore or click this link.

DeLand Campus (386) 785-2020
1155 County Road 4139
DeLand, FL 32744
Bookstore Hours
Monday-Thursday 8 a.m.-1 p.m. & 5 p.m.-7 p.m.
Friday 8 a.m.-1 p.m.
Summer Bookstore Hours
Monday-Thursday 8 a.m.-1 p.m. & 5 p.m.-7 p.m.
Friday- Closed

Deltona Center (386) 785-2020
2351 Providence Boulevard
Deltona, FL 32725
Bookstore Hours:
Call The *Deland* Campus Bookstore @ (386) 785-2020 for Deltona Hours of Operation

Flagler/Palm Coast Campus (386) 252-2206
3000 Palm Coast Parkway Southeast
Palm Coast, FL 32137
Bookstore Hours:
Call for Hours of Operation

New Smyrna Beach-Edgewater Campus (386) 427-3472 ext. 6314
940 Tenth Street Building 1
New Smyrna Beach, FL 32168
Bookstore Hours:
Call for Hours of Operation

Advanced Technology College
1770 Technology Blvd.
Daytona Beach, FL 32124
There are no regular hours.
Please visit the Daytona Beach Campus Bookstore.

Library Services

The Daytona Beach Campus Library (Bldg. 210) and DeLand Campus Library (Bldg. 1) provide a wide range of resources and services including print and non-print collections, access to extensive electronic databases, and professional reference and research assistance. Daytona State College Library networks with other state and national libraries to obtain the information you need, when you need it.

All Daytona State students, faculty, and staff have 24/7 access to library services via the Daytona State Library Services Web page (http://www.daytonastate.edu/library/). Items in the Daytona State College Daytona and DeLand collections may be ordered from other campuses using the electronic form on the Daytona State library Web page. These items may be delivered to the campus of your choice. Virtual Reference Service is available to all by phone and through the Ask-a-Librarian Service.

The Daytona Campus Library supports both Daytona State's upper level programs, including the Bachelor of Science and Applied Science degrees, as well as the upper level and graduate programs of partnership colleges and universities including the University of Central Florida.

The Daytona Beach Campus Library and DeLand Campus Library also host open computer labs (http://www.daytonastate.edu/commons/) managed by the Information Services Department which are available to all Daytona State students during library hours of operation. These labs provide access to Daytona State academic software, including word processing and spreadsheet applications, as well as the Internet.

Library Hours (unless otherwise posted for holidays, summer, etc.):

Daytona Beach Campus Library
Monday - Thursday: 7:30 a.m.-9:00 p.m.
Friday: 7:30 a.m.-8 p.m.
Saturday: 8 a.m.-4 p.m.
Sunday: Closed
DeLand Campus Library
Monday - Thursday: 7:30 a.m.-9 p.m.
Friday: 7:30 a.m.-5 p.m. Closed Weekends
For more information please visit our webpage or contact Mercedes Clement, Head Librarian, at (386) 506-3440.

Parking Regulations

Parking decals are available at the Campus Safety Office on the Daytona campus (BLD 540) or at the Falcon Center on any other campus

Designated Parking Areas

Daytona State has open parking, except for areas mandated and enforced by state law: Yellow (Fire Lane), Blue (Handicapped). Visitor and other reserved areas are designated by signage. Please observe all parking regulations to ensure fairness to everyone attending the College.

Parking fines are $10. Unpaid fines will result in a hold on student records, diplomas, transcripts and future registrations. Repeat or flagrant offenders may be towed at their expense.

Students wishing to challenge a parking ticket issued by Campus Safety must attend an informal meeting with the Director of Campus Safety, Bldg. 540 on the Daytona Beach Campus, from 8-9 a.m. on any Wednesday. Students on all other campuses should contact the Provost's Office for an appointment. If necessary, the student will receive a referral to the Office of Judicial Affairs to file a grievance.

Speed Limit

The speed limit on campus is 10 mph unless posted otherwise.

Southeast Museum of Photography

Daytona State College is the parent organization of the Southeast Museum of Photography (SMP), one of the largest photography museums in the nation and one of fewer than 13 such museums in the country. SMP presents more than 12 exhibitions annually, organized around such interdisciplinary themes as "Women's Worlds", "Time and Space" and "Behind The News."

SMP is very involved with academic and community programs at our College. Since its opening in April 1992, the Museum has mounted more than 300 exhibitions and produced more than 40 catalogues and publications. Each semester, the Museum presents films, lectures, seminars, workshops, professional classes and talks. The museum's education division produces academic support materials for a wide range of college and high school classes in conjunction with each new series of exhibitions. Public programs feature internationally known photographers, critics, writers and scholars.

The Museum offers Daytona State students extensive opportunities for internships and professional training, as well as paid and volunteer employment. Many of the Museum's former student workers are now employed in museums and galleries around the world. For more information visit the museum Web site **www.smponline.org**, or call (386) 506-4475.

SMP is located on Daytona State's Daytona Beach Campus, 1200 W. International Speedway Blvd., in the Mori Hosseini Building.

Museum Hours

Open: Tues., Thurs. and Friday, 11-5. Wednesday, 11-7, Weekends 1-5

June, July and December Hours are Tues. - Sunday, 12-4
Closed: Mondays, July 4, July 31-August 17, December 17-January 11, Daytona 500 Weekend, Thanksgiving Weekend, Daytona State College Spring Break.

Academic Support Centers

Academic Support Centers (ASC) provide a variety of instructional support programs and services to help you make satisfactory academic progress. The ASCs combine personal attention with computer-assisted instruction in an environment where students, faculty and staff collaborate to ensure student success. ASC attendance is required if you are enrolled in developmental math, reading or writing courses. The following educational support programs are available for your use:

Tutoring and Learning Sessions – Tutors assist students enrolled in most courses on a walk-in basis. Additionally, students can also attend scheduled Learning Sessions on selected courses in Math and Science.

Supplemental Instruction (SI) – SI is an internationally recognized academic support program offering regularly scheduled study sessions for traditionally difficult courses. Students who have previously taken the course and demonstrated academic competency in the subject area lead study sessions.

Workshops – Specialized learning and study strategy sessions are designed to help you succeed. Workshops are offered in basic computer skills, navigating online courses, creating PowerPoint projects, testing strategies, stress management and note taking.

TRIO Programs*
TRIO Student Support Services* - Housed in the Academic Support Center, TRIO offers counseling, tutoring, cultural enrichment and transfer assistance to help eligible students stay in college until earning a degree and/or transferring to a four-year college or university. TRIO support and assistance are especially designed to improve academic performance, increase grade point averages and facilitate transfer.
*Federally funded programs. Participants must meet eligibility criteria.

College can be challenging, especially for first-time students. Visit one of the Academic Support Centers, where professional learning specialists and peer tutors can assist you. The wide variety of free instructional support programs and services offered at the ASCs will help to ensure your academic success. Please visit the Academic Support Center website at www.DaytonaState.edu/ASC for updated information on services provided, or email ASC@Daytonastate.edu. You can also visit or call any of the ASC centers:

Daytona Beach Campus – Baker Hall (Bldg. 500), Rm. 124, and Mary Karl Learning Resources Center (Bldg. 210), Rm. 102
(386) 506-3673

Flagler/Palm Coast Campus – Academic Hall (Bldg. 2), Rm. 104, and Student Services Center (Bldg.1), Rm. 122
(386) 246-4835

New Smyrna Beach-Edgewater Campus – Academic Hall (Bldg. 2), Rm.104
(386) 423-6346

DeLand Campus – Bert Fish Hall (Bldg. 6B), Rm. 217
(386) 785-2087

Deltona Center – Fathi Hall (Bldg. 1), Rm. 104
(386) 789-7306

Athletics and Fitness

Daytona State College offers varsity level programs in men's basketball, baseball, swimming and diving; women's basketball, fast-pitch softball, golf, swimming and diving. Our teams consistently compete at top levels both statewide and nationally.

The College emphasizes the need for athletes to perform well in the classroom as well as in their respective sports, and provides specialized tutoring and mentoring programs to help them achieve academic success. More information can be found on the Web at http://www.daytonastate.edu/athletics/.

IT Computing Commons

Daytona State College's Computing Commons serves students, faculty, staff and other members of the college community by providing access to the latest in computer technology in a relaxed, informal setting. The Computing Commons has served 1,101,521 users since opening in 2001.

The Daytona Campus location in bldg. 210, rm. 201 (mezzanine area) offers a glassed-in, Quiet Study area, where students can use a PC to complete academic projects and online tests/quizzes. A Tech Assistant is present at all times to assist Commons users with computers, software and printer operations and to see that the Computing Commons equipment is maintained in proper working order.

We also offer:

> Student Assistance through our Falcon-AID Student Help Desk via phone (386) 506-4243, email FalcondAid@daytonastate.edu or in person.
> Three Quiet Study rooms that can be accessed through reservations at the Commons Help Desk.
> Three computer classrooms equipped with audiovisual technologies. These classrooms are available to faculty members for reservations, for short sessions of Web-related PowerPoint presentations and/or Web orientations.
> Access to Dell NetBooks to check out for use in the Library. The NetBooks will access the Internet through DSC's FalconAir Wireless and are loaded with the latest Windows 7 and Office 2007 software.
> Access to Medical Transcription resources.
> Desks equipped with electrical outlets for laptop users.
> We offer student employment opportunities as Tech Assistants, which provide hands-on training for students pursuing a degree/career in an information or computer technology field.
> We also offer access to three Commons areas at our branch campuses: Daytona ATC, (386) 506-4101, Deland, (386) 785-2005, and New Smyrna Beach-Edgewater, (383) 423-6345. All
> are equipped with the latest academic hardware and software applications.

Daytona Campus Computing Commons hours:

Spring/Fall

Monday-Thursday 7:30 a.m. - 9 p.m.
Friday 7:30 a.m. – 8 p.m.
Saturday 8 a.m. - 4 p.m.
Sunday Closed

Summer A-B

Monday – Thursday 7:30 a.m – 9 p.m.
Friday 7:30 a.m. – 12 p.m.
Saturday – Sunday Closed

For more information visit our website at: www.daytonastate.edu/commons/ or contact:

IT Computing Commons Help Desk
(386) 506-3928

IT Computing Commons Lab Coordinator
Yudith Day-Wygant
Office: (386) 506-3436

Fax: (386) 506-3008
DayY@DaytonaState.edu

Falcon Center

The Falcon Center is an online student service center where students can complete online transactions. Students can receive help navigating online student services at the Falcon Center on any campus. Students can complete the following transactions online or in the Falcon Center.

Add/Drop
Change of Address
Change of Major
Orientation
Pay Tuition
Print Schedule and Fee Statement
Print Class Schedule
Register
Reset Student PIN Number
Request a Degree Audit
Request Official Transcripts
Request Enrollment Verification
Withdraw from Classes
Request Transient Form at www.facts.org
Unofficial Transcripts

Global Education and Affairs

The Office of Global Education & Affairs (GEA) assists the college in preparing students to successfully compete in the job market, improve their quality of life, and embrace cultural diversity. The GEA seeks to increase global awareness throughout the college, while serving the international needs of the local community. The office assists faculty and staff in coordinating student study abroad programs. Through its history, the GEA has produced study abroad and professional development opportunities in the United Kingdom, India, Mexico and Italy.

The GEA office houses the Office of International Students (OIS). The OIS assists international students in finding housing and host families, dealing with health insurance issues, and assisting in opening bank accounts. OIS also provides other community information, general advising from academic peer support to student activities, and on-campus student employment information. The OIS is located in Building 110, Room 208. The office can be reached at (386) 506-3141.

The GEA houses the Director of International Projects and the Center for International Business Education (CIBE). The GEA is responsible for developing international academic exchanges and linkages for the college, coordinating college study abroad programs, assisting in recruiting international students, seeking outside funding for and administering international education (IE) activities at the College, coordinating faculty and staff exchanges, assisting in IE curriculum development activities, and acting as liaison to public and private domestic and international agencies and associations.

Over the past several years the GEA has administered several projects for the College including a Workforce Development Project, funded by the US Agency for International Development (USAID) and AACC with the Universidad Regiomontana in Mexico to develop import/export programs and the Tertiary Education Linkage Program, funded by USAID and administered by the United Negro College Fund, as part of a consortium with Bethune-Cookman University and the University of Central Florida with Vista University in South Africa for curriculum development activities. Both of these projects have allowed the college to send faculty, staff and students for an overseas experience.

In addition GEA has continued its work with the government of the Dominican Republic, the Office of the President, the Secretary of Higher Education, Science and Technology, and a business association there to develop a community college in Eastern Santo Domingo: The Instituto Tecnico Superior Comunitario (The Superior Technical Community Institute). Activities were formally initiated in March 2007 with the signing of a contract with the Dominican government for $1.7 million sponsored by the Inter-American Development Bank (IDB). The inauguration of the Institute took place during the summer of 2008 and classes are expected to begin in 2011. A similar project was initiated in November 2007 with the signing of a contract with Government of the Bahamas, also sponsored by a $1.01 million IDB contract with the government of the Bahamas to restructure its Bahamas Vocational Technical Institute over a period of three years. That project includes the structuring of the BTVI to more closely reflect a US style community college.

Through GEA efforts, Daytona State College is continuing its participation in the North American Mobility program, in Hospitality Management, Tourism and Culinary Arts (NAMP). This is the College's 14th year of involvement with the NAMP program, during which more than 30 students have been exchanged with partner schools throughout Canada and Mexico. Additionally, in cooperation with the Center for Business & Industry, the Visual Arts/Graphics Department and the Tryone/Donegal Partnership in Ireland, the College recently completed its seventh year serving as host to more than 126 students from Ireland and 14 instructors for a 10-week program in Digital Media.

The College is entering its fourth year of participation in the Community College Initiative Program (CCI), funded by the United States Department of State, Bureau of Educational and Cultural Affairs (USDOS/ECA) and administered by Community Colleges for International Development (CCID). By the conclusion of the 2010-11 academic year Daytona State College will have trained 63 students from the nations of Brazil, Indonesia, Pakistan, Turkey, Egypt, Costa Rica, Ghana, Nicaragua, Panama, South Africa, El Salvador and Guatemala in the fields of Hospitality and Tourism Management, Information Technology, Digital Media, Interior Design and Automotive Technology through one year scholarships awarded to participants of this program.

Closely related to the CCI program are the Fellowships in Technical Education, administered by Community Colleges for International Development (CCID) and jointly funded by the United States Department of State, Bureau of Educational and Cultural Affairs (USDOS/ECA) and the US Agency for International Development (USAID). This program brings professors and senior administrators from technical schools in Egypt to Daytona State College where they are introduced to our best practices in an effort to transform these technical schools to more closely reflect the United State's community college system.

The GEA is housed in Building 110 on the Daytona Beach campus our offices are in rooms 206, and 208. The Department's staff can be reached at (386) 506-3141, 506-3837.

Student Activities

Expand and enrich your college experience by getting involved with your campus and your community. The Student Activities Department is the social hub of the college, where you can meet other students who share common interests. Take advantage of the many opportunities to develop valuable career skills and earn scholarships by taking on leadership roles in various student clubs and organizations.

Student Publications – Gain valuable career experience, or just find an outlet for your photography and literary works .Student Publications include In Motion Student Newspaper and Ole' Literary Magazine. In Motion is an award-winning monthly newspaper that is produced entirely by students. Ole' is an annual literary magazine featuring student poems, short stories, essays and artwork. Many former writers, photographers and editors for these publications are now employed in various media organizations throughout the world.

Student Government Association – The SGA is made up of elected officers and appointed members who are directly involved in the college decision-making process. SGA representatives serve on various college wide committees that review college policies, procedures and expenditures. SGA officers also organize various campus events and many community service projects.

Student Leadership Workshops and Seminars – Gain valuable leadership skills by attending workshops, seminars and retreats offered each semester. Combine these events with participation in Student Government, student clubs and college committees for an experience that will enhance your resume and build your professional career.

Intramurals and Recreational Sports – There are several intramural sports activities that are open to all students. From flag football and soccer tournaments to informal ping pong games, you'll find it all at "Rec Sports."

Clubs and Organizations – There are more than 40 student clubs and organizations on campus to appeal to a wide variety of interests. In most cases, membership to clubs and organizations is open to all students.

For more information and a calendar of activities, contact Student Activities in Building 130, Room 113 at the Daytona Beach Campus; Building 7, Room 151 at the DeLand Campus; or the provost's office at the other campuses.

Writing Center

The DSC/UCF Writing Center Is Here to Help You...

Achieve your writing goals
Brainstorm, revise and edit
Format in MLA, APA and other styles
Break through writer's block
Write with confidence!

Writing Center services are available to students, staff and faculty.

Services

One-on-one or small group tutoring: Consultations for individuals or small groups start every half-hour & last up to 50 minutes. Making an appointment in advance is the best way to ensure someone will be available to work with you, but you can always walk in to see if someone is available immediately. Check the Writing Center FAQ to learn more about what to expect when you meet with a Writing Center learning specialist.

Writing resources: You are also welcome to simply come to the Writing Center to use resources—we have computers, printer access, brainstorming tools, handbooks and digital guides to help you with all stages of your writing process.

Workshops: The Writing Center periodically offers workshops on topics such as MLA, APA, thesis statements and other writing topics. We're also happy to work with groups to create custom writing workshops.

Contact us

Please call (386) 506-3297 with any questions or to make an appointment (ext. 3297 if you're dialing on a campus phone). You're welcome to visit our website, www.daytonastate.edu/cwc, for information and online resources. You can also "like" the Writing Center on Facebook to ask quick questions, join writing-related games, see writing tips and tricks, and hear about upcoming events. Check back frequently to learn about upcoming events, such as workshops, and for more resources.

Accounting Applications/Computerized

Program Information
A.S. Certificate - Code 0943 - Catalog 2012/2013
Kim Titus, Assistant Chair, 386-785-2042, titusk@daytonastate.edu
School of Applied Business, 386-506-3012

Program Mission, Description, and Outcomes
Mission:
The mission of Accounting Applications/Computerized is to provide students with a working knowledge of principles, practices, and tools necessary for a successful entry into the field of accounting.

Description:
The program provides a solid foundation in theory and practice needed to work in the field of accounting.

Outcomes:
Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Solve business problems using critical thinking.
3. Identify and discuss legal and ethical issues related to tax preparation and planning.
4. Use appropriate software and hardware to produce tax returns, financial plans, and solve other business problems.
5. Generate appropriate schedules, and reports to support financial decisions, financial plans, and tax returns.
6. Enter financial data and prepare summary reports using software.
7. Demonstrate a basic working knowledge of estate planning, investment planning and cash management.
8. Apply Generally Accepted Accounting Principles to record, summarize, and report business transactions.
9. Demonstrate an understanding of corporate finance in the field of business.

Credits earned in this certificate may be applied toward the AS degree in Accounting Technology.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Program Tuition and Fees: $2,821*
Access Fee: $213 ($7.90 per credit)
Assessment Fee: $30
Textbook Estimate: $900

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Program Specific Courses require a "C" or better.

Careers
The typical length of this program is two (2) semesters for a full-time student, with 5% graduating within 2 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 67%.

Some program specific courses in this program may be applied toward the Accounting Operations - Tax Preparation Certificate #0935. Some program specific courses in this program may be applied toward the AS Accounting Technology Degree #2084.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org. For additional career information, please see: http://www.onetonline.org/link/summary/43-3031.00.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
ACG2022	Principles of Financial Accounting	4.00	
APA1111	Computerized Accounting/Bookkeeping I	4.00	
APA1121	Computerized Accounting/Bookkeeping II	4.00	*Pre-Reqs: APA1111*
APA1711	Computer Spreadsheet	3.00	
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	
ISM2000	Introduction to Business Information Processing	3.00	
TAX2000	Personal Income Tax	3.00	

Sample Program of Study

Course	Title

1st Semester

Course	Title	SEM HRS	
... ...	**1st Semester**		
APA1111	Computerized Accounting/Bookkeeping I	4.00	
FIN1100	Personal Financial Planning	3.00	
ISM2000	Introduction to Business Information Processing	3.00	
TAX2000	Personal Income Tax	3.00	

2nd Semester

Course	Title	SEM HRS	
... ...	**2nd Semester**		
ACG2022	Principles of Financial Accounting	4.00	
APA1121	Computerized Accounting/Bookkeeping II	4.00	*Pre-Reqs: APA1111*
APA1711	Computer Spreadsheet	3.00	
FIN2000	Principles of Finance	3.00	
TOTAL	...	**27.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Accounting Technology

Program Mission, Description, and Outcomes

Mission:
The mission of the Associate of Science Degree - Accounting Technology is to provide theories, principles, and practices necessary for a successful career in the accounting profession.

Description:
The program provides a solid foundation in basic accounting theory as well as accounting practice including financial planning and taxation. Students apply their practical knowledge of these areas through computer simulations.

Outcomes:
Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Solve business problems using critical thinking.
3. Identify and discuss legal and ethical issues related to tax preparation and planning.
4. Use appropriate software and hardware to produce tax returns, financial plans, and solve other business problems.
5. Generate appropriate schedules and reports to support financial decisions, financial plans, and tax returns.
6. Enter financial data and prepare summary reports using software.
7. Demonstrate a basic working knowledge of estate planning, investment planning and cash management.
8. Apply Generally Accepted Accounting Principles to record, summarize, and report business transactions.
9. Demonstrate an understanding of corporate finnace in the field of business.
10. Identify sound measures of internal control and protection of business assets.
11. Demonstrate an understanding of the global business environment.
12. Explain how economic theories impact businesses and consumers.

Graduates of this program are eligible to be enrolled in Daytona State College, Bachelor of Applied Science in Supervision and

Management program. Call (386) 506-4227 or email BASinfo@daytonastate.edu for details.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

Program Specific Courses require a "C" or better.

Careers

Program Specific Courses count toward Accounting Technology Operations - Tax Preparation Certificate 0935.

Program Specific Courses count toward Accounting Applications/Computerized Certificate 0943.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Educational Core - 21 Credits**		
... ...	**Communications Core (9 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*

| MGF2106 | College Mathematics **OR** | | *Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033* |
| STA2023 | Elementary Statistics | 3.00 | *Pre-Reqs: MAC1105 OR MGF2106* |

... ... **Behavioral & Social Science Core (3 credits)**

SEM HRS

DEP2004	Developmental Psychology **OR**		*Co-Reqs: ENC1101*
PSY1012	General Psychology **OR**		*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**

SEM HRS

AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

... ... **Historical & Global Core (3 credits)**

SEM HRS

AMH2010	United States History to 1877	3.00	*Pre-Reqs: ENC1101*
AMH2020	United States History 1865 to Present	3.00	*Pre-Reqs: ENC1101*
AMH2042	American Social History 1860 to Present	3.00	*Pre-Reqs: ENC1101*
AMH2045	American Maritime History	3.00	*Pre-Reqs: ENC1101*
AMH2047	Survey of US Military History	3.00	*Co-Reqs: ENC1101*
AMH2059	The Vietnam War	3.00	*Pre-Reqs: ENC1101*
AMH2091	Survey of African American History	3.00	*Co-Reqs: ENC1101*
EUH2000	History of Western Civilization to 1648	3.00	*Pre-Reqs: ENC1101*
EUH2001	History of Western Civilization from 1648 to Present	3.00	*Pre-Reqs: ENC1101*
GEO2000	World Geography	3.00	*Co-Reqs: ENC1101*
GEO2420	Cultural Geography	3.00	*Co-Reqs: ENC1101*
PHI2600	Introduction to Ethics	3.00	*Pre-Reqs: ENC1101*
PHI2001	Introduction of Philosophy I	3.00	*Pre-Reqs: ENC1101*
WOH2012	World History Before 1500	3.00	*Pre-Reqs: ENC1101*
WOH2022	World History After 1500	3.00	*Pre-Reqs: ENC1101*
REL2300	World Religion	3.00	*Pre-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course   Title

SEM HRS

ACG2022*I*	Principles of Financial Accounting	4.00	
ACG2071	Principles of Managerial Accounting	4.00	*Pre-Reqs: ACG2022*
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
APA1111*I*	Computerized Accounting/Bookkeeping I	4.00	
APA1121*I*	Computerized Accounting/Bookkeeping II	4.00	*Pre-Reqs: APA1111*
APA1711*I*	Computer Spreadsheet	3.00	
BUL2241	Business Law I	3.00	
FIN1100*I*	Personal Financial Planning	3.00	
FIN2000*I*	Principles of Finance	3.00	
GEB1011	Introduction to Business	3.00	
GEB2430	Business Ethics	3.00	*Co-Reqs: ENC1101*

| ISM2000 | Introduction to Business Information Processing | 3.00 |
| TAX2000[1] | Personal Income Tax | 3.00 |

Sample Program of Study

Course	Title		

... ...	**FIRST YEAR**		
... ...	**1st Semester**		
		SEM HRS	
APA1111	Computerized Accounting/Bookkeeping I	4.00	
BUL2241	Business Law I	3.00	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
GEB1011	Introduction to Business	3.00	
ISM2000	Introduction to Business Information Processing	3.00	

... ...	**2nd Semester**		
		SEM HRS	
ACG2022	Principles of Financial Accounting	4.00	
APA1121	Computerized Accounting/Bookkeeping II	4.00	*Pre-Reqs: APA1111*
APA1711	Computer Spreadsheet	3.00	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

... ...	**Summer Semester**		
		SEM HRS	
... ...	**Historical & Global Core**	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ...	**SECOND YEAR**		
... ...	**1st Semester**		
		SEM HRS	
ACG2071	Principles of Managerial Accounting	4.00	*Pre-Reqs: ACG2022*
FIN2000	Principles of Finance	3.00	
GEB2430	Business Ethics	3.00	*Co-Reqs: ENC1101*
DEP2004	Developmental Psychology **OR**		*Co-Reqs: ENC1101*
PSY1012	General Psychology **OR**		*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ...	**2nd Semester**		
		SEM HRS	
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
TAX2000	Personal Income Tax	3.00	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
FIN1100	Personal Financial Planning	3.00	

| **TOTAL** | ... | **64.00** | |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Course counts toward the following certificates: Accounting Technology Operations/Tax Preparation (Code 0935) or Accounting Application/Computerized (Code: 0943)

Accounting Technology Operations - Tax Preparation

Program Information
A.S. Certificate - Code 0935 - Catalog 2012/2013
Kim Titus, Assistant Chair, 386-785-2042, titusk@daytonastate.edu
School of Applied Business, 386-506-3012

Program Mission, Description, and Outcomes
Mission:
The mission of Accounting Technology Operations - Tax Preparation is to provide students with a working knowledge of principles, practices and tools necessary for a successful career in tax preparation.

Description:
The program provides a solid foundation in theory and practice needed to work in the field of tax preparation.

Outcomes:
Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Solve business problems using critical thinking.
3. Identify and discuss legal and ethical issues related to tax preparation and planning.
4. Use appropriate software and hardware to produce tax returns, finanical plans, and solve other business problems.
5. Generate appropriate schedules and reports to support financial decisions, financial plans, and tax returns.
6. Enter financial data and prepare summary reports using appropriate software.
7. Demonstrate a basic working knowledge of estate planning, investment planning and cash management.
8. Apply Generally Accepted Accounting Principles to record, summarize, and report business transactions.

Credits earned in this certificate may be applied toward the AS degree in Accounting Technology.

Note: To ensure Financial Aid program eligibility, students need to also be accepted to the parallel associate degree program.

Approximate Additional Costs
Program Tuition and Fees: $1,881*
Access Fee: $142 ($7.90 per credit)
Assessment Fee: $30
Textbook Estimate: $600

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student finanical assistance by completing their FAFSA at http://www.fafsa.gov. For more information on grants, loads and work programs available see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the may Daytona State College Foundation scholarships offered each semester. For more information see: http://daytonastate.edu/scholarships.

Additional Admission Requirements
- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Program Specific Courses require a "C" or better.

Careers
The typical length of this program is two (2) semesters for a full-time student, with 5% graduating within 2 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

Some credits earned in this program may be applied toward the Accounting Applications/Computerized Certificate #0943.
Some credits earned in this program may be applied toward the AS degree in Accounting Technology #2084.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, salary potential can be found at http://www.onetonline.org. For additional career information please see: http://www.onetonline.org/link/summary/13-2082.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
APA1111	Computerized Accounting/Bookkeeping I	4.00	
APA1121	Computerized Accounting/Bookkeeping II	4.00	*Pre-Reqs: APA1111*
APA1711	Computer Spreadsheet	3.00	
FIN1100	Personal Financial Planning	3.00	
OST1141	Keyboarding	1.00	
TAX2000	Personal Income Tax	3.00	

Sample Program of Study

Course	Title	SEM HRS	

... ... 1st Semester

Course	Title	SEM HRS	
APA1111	Computerized Accounting/Bookkeeping I	4.00	
APA1711	Computer Spreadsheet	3.00	
FIN1100	Personal Financial Planning	3.00	
OST1141	Keyboarding	1.00	

... ... 2nd Semester

Course	Title	SEM HRS	
APA1121	Computerized Accounting/Bookkeeping II	4.00	*Pre-Reqs: APA1111*
TAX2000	Personal Income Tax	3.00	

TOTAL   ...   **18.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Addictions Studies Specialization

Program Mission, Description, and Outcomes
Mission:
To provide entry level skills for aspiring Human Services Practitioners in addictions studies.

Description:
The purpose of this program is to prepare students with the knowledge and skills needed in addictions counseling and rehabilitation agencies. Completers are prepared for entry-level job skills to assist addiction specialists, substance abuse counselors and social practitioners. Credits earned in this certificate program may be applied toward the AS Degree in Human Services (Addictions Specialization).

Outcomes:
Graduates of the program will be able to:
1. Demonstrate an understanding of the Human Service profession movement.
2. Discuss the role(s) of the Human Service worker in evaluating clients with substance abuse issues.
3. Discuss a variety of major requirements as specified in the catalog for code 0813.
4. Describe the goals and tasks of the Human Services worker.

5. Learn work ethics and demonstrate them with agency participation by externship or COOP Experience.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Program Tuition and Fees: $4,075*
Access Fee: $308 ($7.90 per credit)
Assessment Fee: $30
FDLE/FBI Background Check: $90

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
-General Education Courses must be completed with a grade of "C" or better.

-Attend mandatory program orientation.

-Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

-COOP agencies may elect to do a more extensive background check in addition to the initial requirement.

-Students will be held accountable for the policies and procedures outlined in the College Student handbook.

Careers
The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with no students graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

For additional career information, please see:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course   **Title**

... ...   **General Education Core - 3 Credits**

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course   **Title**

		SEM HRS	
HUS1001	Introduction to Human Services	3.00	
HUS1332	Advanced Counseling/Interview Skills	3.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS1550	Human Services and the Disenfranchised	3.00	
HUS1850	Human Services Externship I	4.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS2008	Survey of Counseling Theory and Practice	3.00	
HUS2424	Addictions and Treatment	3.00	
HUS2441	Addictions, Families, and Communities	3.00	
HUS2500	Issues and Ethics in Human Services	3.00	
HUS2851	Human Services Externship II	4.00	*Pre-Reqs: HUS1850 AND HUS1332*
HUS2933	Human Services Seminar	1.00	
PCO2202	Counseling Techniques	3.00	
PSB2442	Addictions I - Psychology of Addictions	3.00	

Sample Program of Study

Course   **Title**

... ...   **Prerequisite Course**

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*

... ...   **1st Semester - Fall**

		SEM HRS
HUS1001	Introduction to Human Services	3.00
PCO2202	Counseling Techniques	3.00
HUS2933	Human Services Seminar	1.00

... ...   **2nd Semester - Spring**

		SEM HRS	
HUS1332	Advanced Counseling/Interview Skills	3.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS1550	Human Services and the Disenfranchised	3.00	
HUS2008	Survey of Counseling Theory and Practice	3.00	
PSB2442	Addictions I - Psychology of Addictions	3.00	
HUS2441	Addictions, Families, and Communities	3.00	

... ...   **3rd Semester - Summer**

		SEM HRS	
HUS1850	Human Services Externship I	4.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS2500	Issues and Ethics in Human Services	3.00	

... ...   **4th Semester - Fall**

	SEM HRS

HUS2424	Addictions and Treatment	3.00	
HUS2851	Human Services Externship II	4.00	*Pre-Reqs: HUS1850 AND HUS1332*
TOTAL	...	**39.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Advanced Automotive Technology (Performance Engine Specialization)

Program Information

Vocational Certificate - Code 1036 - Catalog 2012/2013
Robert Cothran, Faculty, 386-506-4127, cothran.robert@yahoo.com
Roger Rowan, Chair, 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, 386-506-4165, cherryb@DaytonaState.edu

09/14/2012 M - 1327

Program Mission, Description, and Outcomes

Mission:
The mission of the Advanced Automotive Technology program is to provide the knowledge and skills necessary to comply with automotive engine building standards.

Description:
This program prepares the student to become high performance engine builders. Students will learn fundamental motor building techniques. An emphasis is placed on the performance engine at many different fields. Students will demonstrate knowledge of safety, basic shop math, machining, measurement, print reading, tuning, electronics, fuel and ignition. Successful completion of this program should enable the student to find work in the motor sports industry.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and skills to follow rules and regulations.
2. Identify and use different tools, equipment, materials and products used in the industry.
3. Demonstrate proficiency in all aspects of the industry, including but limited to theory, applications, troubleshooting and safety.
4. Demonstrate knowledge and skills in commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects related to the field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,797* (Book costs are not included)
Access Fee: $263 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $400
Textbook Estimate: $300

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs available please visit the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.

3. Students who do not have a high school diploma/GED cannot receive student financial aid.

Careers

CIP Code (6 digit): 47.0604

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

Program Length: The typical length of this program is three (3) semesters (summer session doesn't often make) for a full-time student, with no students graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field: no data available at this time.

47.0604 Engine Machinist
51-2031.00 Engine and Other Machine Assemblers http://www.onetonline.org/link/summary/51-2031.00 Green

For additional Information on wages, trends and career videos: http://www.careerinfonet.org/occ_rep.asp?
optstatus=011000000&soccode=512031&id=1&nodeid=2&stfips=12&search=Go

*Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career
account, or email your Daytona State College Career Advisor.*

Program Specific Courses

Course	Title	VOC HRS	
AER0033	Shop Math, Safety and Blueprint Reading	1.00	*Conc-Reqs: AER0033L*
AER0033L	Shop Math, Safety and Blueprint Reading Lab	2.33	*Conc-Reqs: AER0033*
AER0102	Engine Theory	1.00	*Conc-Reqs: AER0102L*
AER0102L	Engine Theory Lab	2.00	*Conc-Reqs: AER0102*
AER0152	Engine Assembly and Testing	1.00	*Conc-Reqs: AER0152L*
AER0152L	Engine Assembly and Testing Lab	2.00	*Conc-Reqs: AER0152*
AER0461	Chassis and Brake System	1.00	*Conc-Reqs: AER0461L*
AER0461L	Chassis and Brake System Lab	2.00	*Conc-Reqs: AER0461*
AER0608	Electronics	1.00	*Conc-Reqs: AER0608L*
AER0608L	Electronics Lab	2.00	*Conc-Reqs: AER0608*
AER0811	Electronic System Management	1.00	*Conc-Reqs: AER0811L*
AER0811L	Electronic System Management Lab	2.00	*Conc-Reqs: AER0811*
AER0831	Ignition Theory	1.00	*Conc-Reqs: AER0831L*
AER0831L	Ignition Theory Lab	2.00	*Conc-Reqs: AER0831*
AER0844	Fuel Systems	1.00	*Conc-Reqs: AER0844L*
AER0844L	Fuel Systems Lab	2.00	*Conc-Reqs: AER0844*
PMT0440	Basic Machining	1.00	*Conc-Reqs: PMT0440L*
PMT0440L	Basic Machining Lab	2.00	*Conc-Reqs: PMT0440*
PMT0441	Engine Block Machining	1.00	*Conc-Reqs: PMT0441L*
PMT0441L	Engine Block Machining Lab	2.00	*Conc-Reqs: PMT0441*
PMT0442	Cylinder Heads	1.00	*Conc-Reqs: PMT0442L*
PMT0442L	Cylinder Heads Lab	2.00	*Conc-Reqs: PMT0442*

Sample Program of Study

Course	Title	VOC HRS	

... ... 1st Semester

Course	Title	VOC HRS	
AER0033	Shop Math, Safety and Blueprint Reading	1.00	*Conc-Reqs: AER0033L*
AER0033L	Shop Math, Safety and Blueprint Reading Lab	2.33	*Conc-Reqs: AER0033*
PMT0440	Basic Machining	1.00	*Conc-Reqs: PMT0440L*
PMT0440L	Basic Machining Lab	2.00	*Conc-Reqs: PMT0440*
AER0102	Engine Theory	1.00	*Conc-Reqs: AER0102L*
AER0102L	Engine Theory Lab	2.00	*Conc-Reqs: AER0102*
PMT0441	Engine Block Machining	1.00	*Conc-Reqs: PMT0441L*
PMT0441L	Engine Block Machining Lab	2.00	*Conc-Reqs: PMT0441*

... ... 2nd Semester

Course	Title	VOC HRS	
PMT0442	Cylinder Heads	1.00	*Conc-Reqs: PMT0442L*
PMT0442L	Cylinder Heads Lab	2.00	*Conc-Reqs: PMT0442*
AER0152	Engine Assembly and Testing	1.00	*Conc-Reqs: AER0152L*
AER0152L	Engine Assembly and Testing Lab	2.00	*Conc-Reqs: AER0152*
AER0844	Fuel Systems	1.00	*Conc-Reqs: AER0844L*
AER0844L	Fuel Systems Lab	2.00	*Conc-Reqs: AER0844*
AER0831	Ignition Theory	1.00	*Conc-Reqs: AER0831L*
AER0831L	Ignition Theory Lab	2.00	*Conc-Reqs: AER0831*

... ... 3rd Semester

Course	Title	VOC HRS	
AER0608	Electronics	1.00	*Conc-Reqs: AER0608L*
AER0608L	Electronics Lab	2.00	*Conc-Reqs: AER0608*
AER0811	Electronic System Management	1.00	*Conc-Reqs: AER0811L*
AER0811L	Electronic System Management Lab	2.00	*Conc-Reqs: AER0811*

AER0461	Chassis and Brake System	1.00	*Conc-Reqs: AER0461L*
AER0461L	Chassis and Brake System Lab	2.00	*Conc-Reqs: AER0461*
TOTAL	VOC. HRS.	**33.33**	
TOTAL	CONTACT HRS.	**1000.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Air Conditioning, Refrigeration and Heating Mechanic

Program Information

Vocational Certificate - Code 1054 - Catalog 2012/2013
George Roddy, Assistant Chair, 386-506-4175, roddyg@DaytonaState.edu
Roger Raffaelo, Faculty, 386-506-4174, raffaer@daytonastate.edu
Roger Rowan, Chair, 386-506-4171, rowanr@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Air Conditioning, Refrigeration and Heating Mechanic program is to provide the knowledge, practice and skill development necessary for a successful career in the air conditioning, refrigeration and heating industry.

Description:
The program provides a solid foundation in the principles of air conditioning and refrigeration. Instruction is given by classroom demonstrations and laboratory experiments in refrigeration fundamentals; electricity and controls; and installing, operating, servicing and repairing air conditioning and refrigeration equipment. Students work on commercial refrigeration and air conditioning equipment, including heat pumps, ice machines, oil and gas systems. Students will design, construct, and evaluate refrigeration systems. State of the art, modern equipment with all of the commonly used refrigerants is available for students to gain "hands-on" experience. Students also receive related training in shop management and customer relations.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and ability to safely follow rules and regulations to industry standards.
2. Identify and use different tools, equipment, material and electrical products used in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate knowledge and skill in the residential, commercial and industrial markets.
5. Demonstrate the ability to plan, initiate, and estimate repairs and cost of projects in their field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,797* (Book costs are not included)
Access Fee: $263 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $232
Textbook Estimate: $300

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at http://www.fafsa.gov. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- Must be able to lift 50 lbs.

- Must be able to climb a 12-foot ladder.

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.
3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers

CIP Code (6 digit): 47.0201

Students who complete certain combinations of courses within this program may qualify for one of the following jobs:
- Heating, A/C and Refrigeration Helper
- Heating, A/C and Refrigeration Mechanic Assistant,
- Heating, A/C and Refrigeration Mechanic

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

Program Length: The typical length of this program is three (3) semesters for a full-time student, with 90% graduating within 3 semesters for 2011-2012. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 82%.

47.0201 Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician
49-9021.00 Heating, Air Conditioning, and Refrigeration Mechanics and Installers http://www.onetonline.org/link/summary/49-9021.00 Bright Outlook
49-9021.01 Heating and Air Conditioning Mechanics and Installers http://www.onetonline.org/help/bright/49-9021.01 Green
49-9021.02 Refrigeration Mechanics and Installers http://www.onetonline.org/help/bright/49-9021.02

For additional information on wages, trends and career videos:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=499021&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
ACR0001	Physical Principles I	1.00	*Conc-Reqs: ACR0001L*
ACR0001L	Physical Principles I Lab	2.00	*Conc-Reqs: ACR0001*
ACR0002	Physical Principles II	1.00	*Co-Reqs: ACR0001 Conc-Reqs: ACR0002L*
ACR0002L	Physical Principles II Lab	2.00	*Co-Reqs: ACR0001L Conc-Reqs: ACR0002*
ACR0061	Psychrometrics	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0061L*
ACR0061L	Psychrometrics Lab	2.33	*Conc-Reqs: ACR0061*
ACR0062	Heat Load Calculations	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0062L*
ACR0062L	Heat Load Calculations Lab	2.00	*Conc-Reqs: ACR0062*
ACR0100	Basic Electricity I	1.00	*Conc-Reqs: ACR0100L*
ACR0100L	Basic Electricity Lab	2.00	*Conc-Reqs: ACR0100*
ACR0102	Basic Electricity II	1.00	*Co-Reqs: ACR0100 Conc-Reqs: ACR0102L*
ACR0102L	Basic Electricity II Lab	2.00	*Co-Reqs: ACR0100L Conc-Reqs: ACR0102*
ACR0150	A/C Motors and Controls	1.00	*Pre-Reqs: ACR0102 Conc-Reqs: ACR0150L*
ACR0150L	A/C Motors and Controls Lab	2.00	*Conc-Reqs: ACR0150*
ACR0205	Refrigerants I	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0205L*
ACR0205L	Refrigerants I Lab	2.00	*Conc-Reqs: ACR0205*
ACR0506	Residential Air Conditioning and Refrigeration	1.00	*Pre-Reqs: ACR0102 AND ACR0002*
ACR0506L	Residential Air Conditioning and Refrigeration Lab	2.00	
ACR0741	Commercial Refrigeration I	1.00	*Pre-Reqs: ACR0102 AND ACR0002 Conc-Reqs: ACR0741L*
ACR0741L	Commercial Refrigeration I Lab	2.00	*Conc-Reqs: ACR0741*
ACR0850	Air Conditioning Wiring	1.00	*Pre-Reqs: ACR0102 Conc-Reqs: ACR0850L*
ACR0850L	Air Conditioning Wiring Lab	2.00	*Conc-Reqs: ACR0850*

Sample Program of Study

Course	Title		
... ...	**1st Semester**	VOC HRS	
ACR0001	Physical Principles I	1.00	*Conc-Reqs: ACR0001L*
ACR0001L	Physical Principles I Lab	2.00	*Conc-Reqs: ACR0001*
ACR0100	Basic Electricity I	1.00	*Conc-Reqs: ACR0100L*
ACR0100L	Basic Electricity Lab	2.00	*Conc-Reqs: ACR0100*
ACR0002	Physical Principles II	1.00	*Co-Reqs: ACR0001 Conc-Reqs: ACR0002L*
ACR0002L	Physical Principles II Lab	2.00	*Co-Reqs: ACR0001L Conc-Reqs: ACR0002*
ACR0102	Basic Electricity II	1.00	*Co-Reqs: ACR0100 Conc-Reqs: ACR0102L*
ACR0102L	Basic Electricity II Lab	2.00	*Co-Reqs: ACR0100L Conc-Reqs: ACR0102*
... ...	**2nd Semester**	VOC HRS	
ACR0150	A/C Motors and Controls	1.00	*Pre-Reqs: ACR0102 Conc-Reqs: ACR0150L*
ACR0150L	A/C Motors and Controls Lab	2.00	*Conc-Reqs: ACR0150*
ACR0506	Residential Air Conditioning and	1.00	*Pre-Reqs: ACR0102 AND ACR0002*

	Refrigeration		
ACR0506L	Residential Air Conditioning and Refrigeration Lab	2.00	
ACR0741	Commercial Refrigeration I	1.00	*Pre-Reqs: ACR0102 AND ACR0002 Conc-Reqs: ACR0741L*
ACR0741L	Commercial Refrigeration I Lab	2.00	*Conc-Reqs: ACR0741*
ACR0850	Air Conditioning Wiring	1.00	*Pre-Reqs: ACR0102 Conc-Reqs: ACR0850L*
ACR0850L	Air Conditioning Wiring Lab	2.00	*Conc-Reqs: ACR0850*

... ...	**3rd Semester**		
		VOC HRS	
ACR0061	Psychrometrics	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0061L*
ACR0061L	Psychrometrics Lab	2.33	*Conc-Reqs: ACR0061*
ACR0062	Heat Load Calculations	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0062L*
ACR0062L	Heat Load Calculations Lab	2.00	*Conc-Reqs: ACR0062*
ACR0205	Refrigerants I	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0205L*
ACR0205L	Refrigerants I Lab	2.00	*Conc-Reqs: ACR0205*
TOTAL	VOC. HRS.	**33.33**	
TOTAL	CONTACT HRS.	**1000.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Air Conditioning, Refrigeration, and Heating Technology

Program Information

Vocational Certificate - Code 1011 - Catalog 2012/2013
George Roddy, Assistant Chair, 386-506-4175, roddyg@DaytonaState.edu
Roger Raffaelo, Faculty, 386-506-4174, raffaer@daytonastate.edu
Roger Rowan, 386-506-4174, rowanr@DaytonaState.edu

Program Mission, Description, and Outcomes
Mission:
The mission of the Air Conditioning, Refrigeration and Heating Technology program is to provide the knowledge, practice and skill development necessary for a successful career in the air conditioning, refrigeration and heating industry.

Description:
The program provides a solid foundation in the principles of air conditioning and refrigeration. Instruction is given by classroom demonstrations and laboratory experiments in refrigeration fundamentals; electricity and controls; and installing, operating, servicing and repairing air conditioning and refrigeration equipment. Students work on commercial refrigeration and air conditioning equipment, including heat pumps, ice machines, oil and gas systems. Students will design, construct, and evaluate refrigeration systems. State of the art, modern equipment with all of the commonly used refrigerants is available for students to gain "hands-on" experience. Students also receive related training in shop management and customer relations. All graduates have numerous opportunities for employment with local contractors.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and ability to safely follow rules and regulations to industry standards.
2. Identify and use different tools, equipment, material and electrical products used in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate knowledge and skill in the residential, commercial and industrial markets.

5. Demonstrate the ability to plan, initiate, and estimate repairs and cost of projects in their field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Program Tuition and Fees: $3,776*
Access Fee: $356 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $325
Textbook Estimate: $300

* In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at http://www.fafsa.gov. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- This is the advanced Air Conditioning, Refrigeration and Heating program. Students should complete the Air Conditioning, Refrigeration and Heating Mechanic program (Code 1054) prior to requesting this program.

- This is a limited access program with entry per permission of the chair only.

- Must be able to list 50 pounds.

- Must be able to climb a 12-foot ladder.

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.
3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers

CIP Code (6 digit): 47.0201
Heating, A/C and Refrigeration Technician

The following information is required by federal regulations to be provided to students for all vocational and certificate programs.
Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

Program Length: The typical length of this program is four (4) semesters for a full-time student, with 87% graduating within 4 semesters
for 2011-2012. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this
field at 82%.

47.0201 Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician
49-9021.00 Heating, Air Conditioning, and Refrigeration Mechanics and Installers http://www.onetonline.org/link/summary/49-9021.00
Bright Outlook
49-9021.01 Heating and Air Conditioning Mechanics and Installers http://www.onetonline.org/help/bright/49-9021.01 Green
49-9021.02 Refrigeration Mechanics and Installers http://www.onetonline.org/help/bright/49-9021.02

For additional information on wages, trends and career videos:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=499021&id=1&nodeid=2&stfips=12&search=Go

*Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career
account, or email your Daytona State College Career Advisor.*

Program Specific Courses

Course	Title	VOC HRS	
ACR0001	Physical Principles I	1.00	*Conc-Reqs: ACR0001L*
ACR0001L	Physical Principles I Lab	2.00	*Conc-Reqs: ACR0001*
ACR0002	Physical Principles II	1.00	*Co-Reqs: ACR0001 Conc-Reqs: ACR0002L*
ACR0002L	Physical Principles II Lab	2.00	*Co-Reqs: ACR0001L Conc-Reqs: ACR0002*
ACR0061	Psychrometrics	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0061L*
ACR0061L	Psychrometrics Lab	2.00	*Conc-Reqs: ACR0061*
ACR0062	Heat Load Calculations	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0062L*
ACR0062L	Heat Load Calculations Lab	2.00	*Conc-Reqs: ACR0062*
ACR0100	Basic Electricity I	1.00	*Conc-Reqs: ACR0100L*
ACR0100L	Basic Electricity Lab	2.00	*Conc-Reqs: ACR0100*
ACR0102	Basic Electricity II	1.00	*Co-Reqs: ACR0100 Conc-Reqs: ACR0102L*
ACR0102L	Basic Electricity II Lab	2.00	*Co-Reqs: ACR0100L Conc-Reqs: ACR0102*
ACR0150	A/C Motors and Controls	1.00	*Pre-Reqs: ACR0102 Conc-Reqs: ACR0150L*
ACR0150L	A/C Motors and Controls Lab	2.00	*Conc-Reqs: ACR0150*
ACR0205	Refrigerants I	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0205L*
ACR0205L	Refrigerants I Lab	2.00	*Conc-Reqs: ACR0205*
ACR0506	Residential Air Conditioning and Refrigeration	1.00	*Pre-Reqs: ACR0102 AND ACR0002*
ACR0506L	Residential Air Conditioning and Refrigeration Lab	2.00	
ACR0600	Fossil Fuel Heating	1.00	*Pre-Reqs: ACR0150 AND ACR0850 Conc-Reqs: ACR0600L*
ACR0600L	Fossil Fuel Heating Lab	2.00	*Conc-Reqs: ACR0600*
ACR0601	Heat Pumps	1.00	*Pre-Reqs: ACR0506 AND ACR0150 Conc-Reqs: ACR0601L*
ACR0601L	Heat Pumps Lab	2.00	*Pre-Reqs: ACR0506L AND ACR0150L Conc-Reqs: ACR0601*
ACR0741	Commercial Refrigeration I	1.00	*Pre-Reqs: ACR0102 AND ACR0002 Conc-Reqs: ACR0741L*
ACR0741L	Commercial Refrigeration I Lab	2.00	*Conc-Reqs: ACR0741*
ACR0742	Commercial Refrigeration II	1.00	*Pre-Reqs: ACR0741 Conc-Reqs: ACR0742L*
ACR0742L	Commercial Refrigeration II Lab	2.00	*Conc-Reqs: ACR0742*
ACR0815	Advanced Service Practice	1.00	*Pre-Reqs: ACR0741 AND ACR0850 AND ACR0150 Conc-Reqs: ACR0815L*
ACR0815L	Advanced Service Practice Lab	2.00	*Conc-Reqs: ACR0815*
ACR0850	Air Conditioning Wiring	1.00	*Pre-Reqs: ACR0102 Conc-Reqs: ACR0850L*
ACR0850L	Air Conditioning Wiring Lab	2.00	*Conc-Reqs: ACR0850*

Sample Program of Study

Course	Title		

... ...	**1st Semester**	VOC HRS	
ACR0001	Physical Principles I	1.00	*Conc-Reqs: ACR0001L*
ACR0001L	Physical Principles I Lab	2.00	*Conc-Reqs: ACR0001*
ACR0002	Physical Principles II	1.00	*Co-Reqs: ACR0001 Conc-Reqs: ACR0002L*
ACR0002L	Physical Principles II Lab	2.00	*Co-Reqs: ACR0001L Conc-Reqs: ACR0002*
ACR0100	Basic Electricity I	1.00	*Conc-Reqs: ACR0100L*

ACR0100L	Basic Electricity Lab	2.00	*Conc-Reqs: ACR0100*
ACR0102	Basic Electricity II	1.00	*Co-Reqs: ACR0100 Conc-Reqs: ACR0102L*
ACR0102L	Basic Electricity II Lab	2.00	*Co-Reqs: ACR0100L Conc-Reqs: ACR0102*

... ...	**2nd Semester**	**VOC HRS**	
ACR0150	A/C Motors and Controls	1.00	*Pre-Reqs: ACR0102 Conc-Reqs: ACR0150L*
ACR0150L	A/C Motors and Controls Lab	2.00	*Conc-Reqs: ACR0150*
ACR0506	Residential Air Conditioning and Refrigeration	1.00	*Pre-Reqs: ACR0102 AND ACR0002*
ACR0506L	Residential Air Conditioning and Refrigeration Lab	2.00	
ACR0741	Commercial Refrigeration I	1.00	*Pre-Reqs: ACR0102 AND ACR0002 Conc-Reqs: ACR0741L*
ACR0741L	Commercial Refrigeration I Lab	2.00	*Conc-Reqs: ACR0741*
ACR0850	Air Conditioning Wiring	1.00	*Pre-Reqs: ACR0102 Conc-Reqs: ACR0850L*
ACR0850L	Air Conditioning Wiring Lab	2.00	*Conc-Reqs: ACR0850*

... ...	**3rd Semester**	**VOC HRS**	
ACR0061	Psychrometrics	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0061L*
ACR0061L	Psychrometrics Lab	2.00	*Conc-Reqs: ACR0061*
ACR0062	Heat Load Calculations	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0062L*
ACR0062L	Heat Load Calculations Lab	2.00	*Conc-Reqs: ACR0062*
ACR0205	Refrigerants I	1.00	*Pre-Reqs: ACR0002 Conc-Reqs: ACR0205L*
ACR0205L	Refrigerants I Lab	2.00	*Conc-Reqs: ACR0205*

... ...	**4th Semester**	**VOC HRS**	
ACR0600	Fossil Fuel Heating	1.00	*Pre-Reqs: ACR0150 AND ACR0850 Conc-Reqs: ACR0600L*
ACR0600L	Fossil Fuel Heating Lab	2.00	*Conc-Reqs: ACR0600*
ACR0601	Heat Pumps	1.00	*Pre-Reqs: ACR0506 AND ACR0150 Conc-Reqs: ACR0601L*
ACR0601L	Heat Pumps Lab	2.00	*Pre-Reqs: ACR0506L AND ACR0150L Conc-Reqs: ACR0601*
ACR0742	Commercial Refrigeration II	1.00	*Pre-Reqs: ACR0741 Conc-Reqs: ACR0742L*
ACR0742L	Commercial Refrigeration II Lab	2.00	*Conc-Reqs: ACR0742*
ACR0815	Advanced Service Practice	1.00	*Pre-Reqs: ACR0741 AND ACR0850 AND ACR0150 Conc-Reqs: ACR0815L*
ACR0815L	Advanced Service Practice Lab	2.00	*Conc-Reqs: ACR0815*
TOTAL	VOC. HRS.	**45.00**	
TOTAL	CONTACT HRS.	**1350.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Architectural and Building Technology

Program Information

A.S. Degree - Code 2219 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Bethany Creamer, Assistant Chair, 386-506-4158, creameb@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/23/2012 M - 1301

Program Mission, Description, and Outcomes

Mission:
The mission of the Architectural and Building Technology program is to provide the knowledge and skills necessary to progress in their program of study to completion of an Associate of Science degree.

Description:
The program provides a solid foundation in the building industry. Students will receive a broad understanding of building materials, processes of construction, overall cohesiveness, current industry standards, drawing and computer drafting skills.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and ablity to follow rules, regulations and building codes.
2. Identify and use different tools, equipment, materials and products used in the industry.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate knowledge and skill in residential, commercial and industrial markets.

5. Demonstrate the ability to plan and intitiate projects related to the field.

Note: This program is eligible for federal financial aid and state bright futures.

Careers

Building Construction
Drafting & Design

http://usa.autodesk.com/adsk/servlet/home?siteID=123112&id=129446

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
... ...	**Choose One Course**		
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
... ...	**Behavioral & Social Sciences Core (3 credits)**		
... ...	**Choose One Course**		
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*

| PSY1012 | General Psychology | 3.00 | *Co-Reqs: ENC1101* |
| SYG2000 | Introduction to Sociology | 3.00 | *Pre-Reqs: ENC1101* |

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**
... ... **Choose One Course**

Course	Title	SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
BCN1210	Materials and Processes	3.00	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
BCN1253	Architectural Drawing II	2.00	*Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L*
BCN1253L	Architectural Drawing II Lab	1.00	*Conc-Reqs: BCN1253*
BCN2257	Architectural Detailing	2.00	*Conc-Reqs: BCN2257L*
BCN2257L	Architectural Detailing Lab	1.00	*Conc-Reqs: BCN2257*
BCN2560	Mechanical and Electrical Equipment	3.00	
BCT1040	Blueprint Reading	3.00	
ETC2207	Construction Planning and Estimating	2.00	*Pre-Reqs: BCN1210 Conc-Reqs: ETC2207L*
ETC2207L	Construction Planning and Estimating Lab	1.00	*Conc-Reqs: ETC2207*
ETC2245	Construction Methods	3.00	
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
ETD2540	Civil Drafting and Surveying (CAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2540L*
ETD2540L	Civil Drafting and Surveying (CAD) Lab	1.00	*Conc-Reqs: ETD2540*
IND1001	History of Architecture and Interiors II **OR**		
IND1211	History of Architecture and Interiors I	3.00	
IND1935	Building and Barrier Free Codes	2.00	
IND2608	Sustainable Design	3.00	
BCT2949	Cooperative Education Experience in Construction	2.00	
ETD2390	Introduction to Revit Architecture		*Conc-Reqs: ETD2390L*
ETD2390L	Introduction to Revit Architecture and Lab		*Conc-Reqs: ETD2390*
	OR		
ETD2395	Architectural CAD	2.00	*Conc-Reqs: ETD2395L*
ETD2395L	Architectural CAD Lab	1.00	*Conc-Reqs: ETD2395*
CGS2100	Microcomputer Applications	3.00	

Sample Program of Study

Course	Title

... ... **First Year**
... ... **1st Semester**

Code	Course	SEM HRS	Requisites
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
BCN1210	Materials and Processes	3.00	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
IND1001	History of Architecture and Interiors II **OR**		
IND1211	History of Architecture and Interiors I	3.00	
BCT1040	Blueprint Reading	3.00	

... ... **2nd Semester**

Code	Course	SEM HRS	Requisites
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
BCN1253	Architectural Drawing II	2.00	*Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L*
BCN1253L	Architectural Drawing II Lab	1.00	*Conc-Reqs: BCN1253*
IND1935	Building and Barrier Free Codes	2.00	
IND2608	Sustainable Design	3.00	
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*

... ... **Summer Semester**

		SEM HRS
... ...	**Behavioral & Social Sciences Core**	3.00
... ...	**Humanities, Cultural & Aesthetic Core**	3.00
... ...	**Mathematics Core**	3.00

... ... **Second Year**
... ... **1st Semester**

Code	Course	SEM HRS	Requisites
ETC2207	Construction Planning and Estimating	2.00	*Pre-Reqs: BCN1210 Conc-Reqs: ETC2207L*
ETC2207L	Construction Planning and Estimating Lab	1.00	*Conc-Reqs: ETC2207*
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
ETD2540	Civil Drafting and Surveying (CAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2540L*
ETD2540L	Civil Drafting and Surveying (CAD) Lab	1.00	*Conc-Reqs: ETD2540*
CGS2100	Microcomputer Applications	3.00	

... ... **2nd Semester**

Code	Course	SEM HRS	Requisites
BCN2257	Architectural Detailing	2.00	*Conc-Reqs: BCN2257L*
BCN2257L	Architectural Detailing Lab	1.00	*Conc-Reqs: BCN2257*
BCN2560	Mechanical and Electrical Equipment	3.00	
ETC2245	Construction Methods	3.00	
ETD2390	Introduction to Revit Architecture		*Conc-Reqs: ETD2390L*
ETD2390L	Introduction to Revit Architecture and Lab **OR**		*Conc-Reqs: ETD2390*
ETD2395	Architectural CAD	2.00	*Conc-Reqs: ETD2395L*
ETD2395L	Architectural CAD Lab	1.00	*Conc-Reqs: ETD2395*
BCT2949	Cooperative Education Experience in Construction	2.00	
TOTAL	...	**64.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Associate of Arts Degree

Program Information

A.A. Degree - Code 7000 - Catalog 2012/2013
Susan Pate, Associate Vice President, 386-506-3769, pates@daytonastate.edu
Betty Smith, Administrative Assistant, 386-506-3009,

Program Mission, Description, and Outcomes

Mission:
General education at Daytona State College constitutes the academic preparation for participation in a diverse society and is the basis for lifelong learning. It is a framework for the acquisition and use of broad bodies of knowledge with an emphasis on: Critical/Creative Thinking; Communication; Cultural Literacy; and Information and Technical Literacy.

General education requirements comprise an important part of the hours necessary for the associate of arts and associate of science degrees.

Daytona State College considers the knowledge, skills and attitudes cultivated by the general education curriculum vital for educated men and women in our society.

Outcomes - General Education Competency Components:
1. Critical/Creative Thinking: Students will use systematic and creative thinking to analyze and evaluate issues and arguments, to solve problems, and/or to make decisions.
2. Communication: Students will be able to read, write, and exchange information, ideas, and concepts effectively.
3. Cultural Literacy: Students will understand the impact of the variations among and within cultures.
4. Information and Technical Literacy: Students will use appropriate technology to locate, evaluate, and effectively process information.

Description:
Students are required to complete 60 hours of transferable college level credit to receive an AA degree. Florida State Board of Education Administrative Rule 6A-10.024 (3a) requires 36 semester hours of general education courses, excluding college prep courses.

The remaining 24 credit hours are elective credits. Graduates must also meet the requirements of the Gordon Rule and a state mandated foreign language requirement. You also must meet the Daytona State College residency requirements and have a cumulative 2.0 GPA and a Daytona State 2.0 GPA.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

Foreign Language Requirements:
Completion of two years of the same foreign language in high school or eight college semester credits of the same foreign language or in American Sign at the level of ASL 2140 or above. Foreign and sign language courses satisfy elective credits toward the AA degree.

Gordon Rule:
In accordance with Florida Department of Education Administrative Rule Number 6A-10.030, all students are mandated to complete satisfactorily 12 semester hours of courses which include written assignments demonstrating college-level writing skills and also complete satisfactorily a minimum of six (6) semester hours of mathematics.

This rule applies to all students prior to receipt of an associate of arts (A.A.) degree from a public community college or university or prior to entry into upper division of a public university. For the purpose of this rule, a grade of "C" or better shall be considered successful completion.

Students who do not complete all of the Gordon Rule courses within the 60 credits must complete additional courses to fulfill A.A. degree requirements.

Courses that satisfy the Gordon Rule are part of the General Education Core and are denoted with an ***** (refer to the College Catalog under General Education - Requirements for the Associate of Arts Degree). **Gordon Rule Writing Courses** consist of any course denoted as a Gordon Rule course EXCEPT those in the Mathematics Core.

Each course used to satisfy this rule and all General Education Core courses must be completed with a grade of "C" or higher.

Prior to enrollment in college level English or math courses, some students may be required to complete college preparatory course work.

General Education Courses

Course **Title**

... ...1 **GENERAL EDUCATION CORE**

		SEM HRS
... ...	**Communications**	9.00
... ...	**Mathematics**	6.00
... ...	**Behavioral & Social Sciences**	3.00
... ...	**Sciences (Biological & Physical)**	6.00
... ...	**Humanities, Cultural & Aesthetic**	3.00
... ...	**Health & Wellness**	3.00
... ...	**Political, Economic & Business**	3.00
... ...	**Historical & Global**	3.00
TOTAL	GENERAL EDUCATION	**36.00**

... ...2 **ELECTIVE CORE**

		SEM HRS
... ...	**College Transfer Elective Courses**	24.00

TOTAL	CREDIT HOURS FOR THE AA DEGREE	**60.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Sample Program of Study

Course	Title

... ...	**FIRST YEAR**		
... ...	**SEMESTER I**		
... ...	**Communications Core (3)**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*

... ...	**Mathematics Core - Choose One (3)**		
		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

... ...	**Health & Wellness Core - Choose One (3)**		
		SEM HRS	
HLP1081	Fitness Assessment and Improvement	3.00	
HSC2400	First Aid, Responding to Emergencies	3.00	
HUN1201	Human Nutrition	3.00	
HUN1270	Sports Nutrition	3.00	
PET2084	Personal Health and Wellness	3.00	
SLS2505	Critical Thinking	3.00	*Co-Reqs: ENC1101*

... ...3	**Biological Sciences Core - Choose One (3)**		
		SEM HRS	
BOT1010	General Botany	3.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010L*
BOT1010L	General Botany Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010*
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	*Co-Reqs: ENC1101*
BSC1010	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*
BSC2930	Biological Themes in Film	3.00	*Co-Reqs: ENC1101*
OCB2000	Introduction to Marine Biology	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR*

			MAP2302 OR MGF2107 OR STA2023 OR MGF2106 Conc-Reqs: OCB2000L
OCB2000L	Introduction to Marine Biology Lab	1.00	*Conc-Reqs: OCB2000*
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
... ...	**AND**		
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
... ...	**College Transfer Elective**	3.00	

... ...	**SEMESTER II**		
... ...	**Communications Core (3)**		
... ...*4*	**Mathematics Core - Choose One (3)**	**SEM HRS**	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MAC1114	College Trigonometry	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
MAC1140	Pre-Calculus Algebra	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
MAC2233	Calculus for Business and Nonphysical Sciences I	3.00	*Pre-Reqs: MAC1140*
MAC2311	Calculus I	3.00	*Pre-Reqs: MAC1140 AND MAC1114 Conc-Reqs: MAC2311L*
MAC2311L	Calculus I Lab	1.00	*Conc-Reqs: MAC2311*
MAC2312	Calculus II	3.00	*Pre-Reqs: MAC2311 Conc-Reqs: MAC2312L*
MAC2312L	Calculus II Lab	1.00	*Pre-Reqs: MAC2311 Conc-Reqs: MAC2312*
MAC2313	Calculus III	3.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAC2313L*
MAC2313L	Calculus III Lab	1.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAC2313*
MAP2302	Differential Equations	2.00	*Pre-Reqs: MAC2312 OR MAC2312L Conc-Reqs: MAP2302L*
MAP2302L	Differential Equations Lab	1.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAP2302*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

... ...*5*	**Physical Sciences Core - Choose One (3)**	**SEM HRS**	
CHM1025	Introductory to Chemistry	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
AST1002	Astronomy	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023*
CHM1025L	Introduction to Chemistry Lab	1.00	*Conc-Reqs: CHM1025*
CHM1045	General College Chemistry I	3.00	*Co-Reqs: ENC1101 AND MAC1105 OR MAP2302 OR MAC1114 OR MAC2312 OR STA2023 OR MAC1140 OR MAC2311 OR MAC2313 OR MAC2233 Pre-Reqs: CHM1025 Conc-Reqs: CHM1045L*
CHM1045L	General College Chemistry I Lab	1.00	*Conc-Reqs: CHM1045*
GLY2010	Physical Geology	3.00	*Co-Reqs: ENC1101 OR MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 Pre-Reqs: MAT1033 Conc-Reqs: GLY2010L*
GLY2010L	Physical Geology Lab	1.00	*Conc-Reqs: GLY2010*
MET2010	Meteorology	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MAC2311 OR MGF2106*
OCE1001	Introduction to Oceanography	3.00	*Co-Reqs: ENC1101 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2106 OR MGF2107 Pre-Reqs: MAT1033*
PHY1053	General Physics I	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MTB1348 OR MAC1114 Conc-Reqs: PHY1053L*
PHY1053L	General Physics I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: PHY1053*
PHY2048	Physics with Calculus I	4.00	*Co-Reqs: ENC1101 AND MAC2311 AND MAC2311L Conc-Reqs: PHY2048L*
PHY2048L	Physics with Calculus I Lab	1.00	*Conc-Reqs: PHY2048*
PSC1121	Physical Science	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106*

			SEM HRS	
... ...		**Behavioral & Social Sciences Core - Choose One (3)**		
DEP2004	Developmental Psychology		3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology		3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology		3.00	*Pre-Reqs: ENC1101*

			SEM HRS	
... ...		**SECOND YEAR**		
... ...		**SEMESTER I**		
... ...		**Communications Core - Choose One (3)**		
SPC2608	Oral Communications/Research/Presentation Skills		3.00	*Pre-Reqs: ENC1101*
RTV2300	Broadcast Research/Newswriting/Presentation Skills		3.00	*Pre-Reqs: ENC1101*

			SEM HRS	
... ...		**Hum., Cultural & Aesthetic Core - Choose One (3)**		
AML2050	Modern American Literature		3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature		3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature		3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation		3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation		3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare		3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities		3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities		3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature		3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I		3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II		3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women		3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature		3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature		3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation		3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America		3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation		3.00	*Co-Reqs: ENC1101*

			SEM HRS	
... ...		**Historical & Global Core - Choose One (3)**		
AMH2010	United States History to 1877		3.00	*Pre-Reqs: ENC1101*
AMH2020	United States History 1865 to Present		3.00	*Pre-Reqs: ENC1101*
AMH2042	American Social History 1860 to Present		3.00	*Pre-Reqs: ENC1101*
AMH2045	American Maritime History		3.00	*Pre-Reqs: ENC1101*
AMH2059	The Vietnam War		3.00	*Pre-Reqs: ENC1101*
AMH2091	Survey of African American History		3.00	*Co-Reqs: ENC1101*
EUH2000	History of Western Civilization to 1648		3.00	*Pre-Reqs: ENC1101*
EUH2001	History of Western Civilization from 1648 to Present		3.00	*Pre-Reqs: ENC1101*
GEO2000	World Geography		3.00	*Co-Reqs: ENC1101*
GEO2420	Cultural Geography		3.00	*Co-Reqs: ENC1101*
PHI2001	Introduction of Philosophy I		3.00	*Pre-Reqs: ENC1101*
PHI2600	Introduction to Ethics		3.00	*Pre-Reqs: ENC1101*
REL2300	World Religion		3.00	*Pre-Reqs: ENC1101*
WOH2012	World History Before 1500		3.00	*Pre-Reqs: ENC1101*
WOH2022	World History After 1500		3.00	*Pre-Reqs: ENC1101*
... ...		**College Transfer Elective**	3.00	
... ...		**College Transfer Elective**	3.00	

			SEM HRS	
... ...		**SEMESTER II**		
... ...		**Political, Econ. & Business Core - Choose One (3)**		
CPO2001	Comparative Government		3.00	*Pre-Reqs: ENC1101*
ECO2013	Principles of Macro Economics		3.00	*Co-Reqs: ENC1101*

ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
GEB2430	Business Ethics	3.00	*Co-Reqs: ENC1101*
INR2002	International Relations	3.00	*Co-Reqs: ENC1101*
PLA2880	Constitutional Law	3.00	*Co-Reqs: ENC1101*
POS2001	Introduction to Political Science	3.00	*Co-Reqs: ENC1101*
POS2041	American Federal Government	3.00	*Co-Reqs: ENC1101*
POS2112	State and Local Government	3.00	*Co-Reqs: ENC1101*
... ...	**College Transfer Elective**	12.00	

... ...6 **COLLEGE TRANSFER ELECTIVES (24)**
... ... **Behavioral & Social Sciences**

		SEM HRS	
AFR1101	The Air Force Today I (General Military Course) - AF101	1.00	
AFR1111	The Air Force Today II (General Military Course) - AF102	1.00	
AFR2130	The Development of Air Power I (General Military Course) - AF201	1.00	
AFR2131	The Development of Air Power II (General Military Course) - AF202	1.00	
ANT2000	Introduction to Anthropology	3.00	*Co-Reqs: ENC1101*
CLP2140	Abnormal Psychology	3.00	*Co-Reqs: ENC1101*
DEP2001	Infant Child and Adolescent Psychology	3.00	*Pre-Reqs: PSY1012*
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
DEP2402	Psychology of Adulthood and Aging	3.00	*Pre-Reqs: PSY1012*
DEP2481	Death and Dying: Life and Living	3.00	*Co-Reqs: ENC1101*
EXP2420	Animal Learning	3.00	*Co-Reqs: ENC1101*
HUS1001	Introduction to Human Services	3.00	
HUS1332	Advanced Counseling/Interview Skills	3.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS1530	The Disabled Experience	3.00	
HUS1550	Human Services and the Disenfranchised	3.00	
HUS2008	Survey of Counseling Theory and Practice	3.00	
HUS2200	Group Dynamics	3.00	*Co-Reqs: HUS2851 OR HUS2949 Pre-Reqs: HUS1332*
HUS2441	Addictions, Families, and Communities	3.00	
HUS2424	Addictions and Treatment	3.00	
HUS2500	Issues and Ethics in Human Services	3.00	
IDS2191	The 1960's - The Era of Metamorphosis	3.00	
INP1390	Human Relations in the Workplace	3.00	*Co-Reqs: ENC1101*
MSL1001	Foundations of Officership - MSL101	1.00	
MSL1002	Basic Leadership - MSL102	1.00	
MSL2101	Individual Leadership Studies - MSL201	1.00	
MSL2102	Leadership and Teamwork - MSL202	1.00	
PCO2202	Counseling Techniques	3.00	
PPE2001	Survey of Personality	3.00	
PSB2442	Addictions I - Psychology of Addictions	3.00	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
PSY2931	Special Topics in Intimate Relationships	3.00	
PSY2932	Special Topics in Research Methods in Psychology	3.00	
PSY2933	Special Topics in Clinical Psychology	3.00	
PSY2934	Special Topics in Forensic Psychology	3.00	
PSY2935	Special Topics in Parenting and Family Dynamics	3.00	
PSY2936	Special Topics in Comparative Psychology	3.00	
PSY2937	Special Topics in Persuasion and Prejudice	3.00	*Pre-Reqs: PSY1012*
SLS1122	Dynamics of Student Success	3.00	
SLS1225	Human Potential	3.00	
SLS1261	Dynamics of Student Leadership Development	3.00	
SLS2301	Career Planning	3.00	
SLS2304	Career Exploration	1.00	
SLS2505	Critical Thinking	3.00	*Co-Reqs: ENC1101*
SOP2002	Introduction to Social Psychology	3.00	*Co-Reqs: ENC1101*
SOP2772	Psychology of Human Sexuality	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*
SYG2010	Social Problems and Deviance	3.00	*Co-Reqs: ENC1101*
SYG2430	The American Family	3.00	*Co-Reqs: ENC1101*

... ... **Communications**

		SEM HRS	
ASL2140	American Sign Language I	4.00	
ASL2150	American Sign Language II	4.00	*Pre-Reqs: SPA2612 OR ASL2140 OR SPA2612L OR ASL2140L*

ASL2160	American Sign Language III	4.00	*Pre-Reqs: SPA2613 OR ASL2150 OR ASL2150L OR SPA2613L*
ASL2200	American Sign Language IV	4.00	*Pre-Reqs: SPA2614 OR ASL2160 OR ASL2160L OR SPA2614L*
EAP1501	Accent Reduction	3.00	
ENC2210	Report Writing	3.00	*Pre-Reqs: ENC1101*
ENG2100	Introduction to Film	3.00	*Pre-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
FRE1120	Elementary French I Concentrated	4.00	
FRE1121	Elementary French II Concentrated	4.00	
FRE2220	Intermediate French Reading and Conversation I	4.00	*Pre-Reqs: FRE1121*
FRE2221	Intermediate French Reading and Conversation II	4.00	*Pre-Reqs: FRE2220*
GER1120	Elementary German I Concentrated	4.00	
GER1121	Elementary German II Concentrated	4.00	*Pre-Reqs: GER1120*
GER2220	Intermediate German Reading and Conversation I	4.00	*Pre-Reqs: GER1121*
GER2221	Intermediate German Reading and Conversation II	4.00	*Pre-Reqs: GER2220*
ITA1120	Elementary Italian I Concentrated	4.00	
ITA1121	Elementary Italian II Concentrated	4.00	*Pre-Reqs: ITA1120*
ITA2220	Intermediate Italian Reading and Conversation I	4.00	*Pre-Reqs: ITA1121*
ITA2221	Intermediate Italian Reading and Conversation II	4.00	*Pre-Reqs: ITA2220*
JOU1100	Introduction to Journalism	3.00	*Pre-Reqs: ENC1101*
LIS2004	Introduction to Internet Research	1.00	
LIT2030	Understanding Poetry	3.00	*Pre-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MMC1000	Introduction to Mass Communication	3.00	*Co-Reqs: ENC1101*
ORI2000	Fundamentals of Oral Interpretation	3.00	
POR1120	Elementary Portuguese I Concentrated	4.00	
POR1121	Elementary Portuguese II Concentrated	4.00	*Pre-Reqs: POR1120*
POR2220	Intermediate Portuguese I	4.00	*Pre-Reqs: POR2221*
POR2221	Intermediate Portuguese II	4.00	
RTV1000	Fundamentals of Broadcast Production	3.00	*Conc-Reqs: RTV1000L*
RTV1000L	Fundamentals of Broadcast Production Lab	1.00	*Conc-Reqs: RTV1000*
RTV1201	Studio Television Production	3.00	*Pre-Reqs: RTV1000 Conc-Reqs: RTV1201L*
RTV1201L	Studio Television Production Lab	1.00	*Pre-Reqs: RTV1000L Conc-Reqs: RTV1201*
RTV2102	Writing for Radio and Television (Broadcast Writing)	3.00	*Pre-Reqs: JOU1100 OR RTV2300 AND MMC1000*
RTV2222	Team Media Production	3.00	*Pre-Reqs: RTV1201 AND RTV1000 Conc-Reqs: RTV2222L*
RTV2222L	Team Media Production Lab	1.00	*Pre-Reqs: RTV1201L AND RTV1000L Conc-Reqs: RTV2222*
RTV2300	Broadcast Research/Newswriting/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
SPC2511	Argumentation and Debate	3.00	*Pre-Reqs: SPC2608*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
SPN1120	Elementary Spanish I Concentrated	4.00	
SPN1121	Elementary Spanish II Concentrated	4.00	*Pre-Reqs: SPN1120*
SPN2220	Intermediate Spanish Reading and Conversation I	4.00	*Pre-Reqs: SPN1121*
SPN2221	Intermediate Spanish Reading and Conversation II	4.00	*Pre-Reqs: SPN2220*

... ... Economic & Business

		SEM HRS	
ACG2022	Principles of Financial Accounting	4.00	
ACG2071	Principles of Managerial Accounting	4.00	*Pre-Reqs: ACG2022*
ACG2100	Intermediate Accounting I	3.00	*Pre-Reqs: APA1121 AND FIN2000 AND ACG2022 AND APA1111*
BUL2241	Business Law I	3.00	
BUL2242	Business Law II	3.00	
ECO2013	Principles of Macro Economics	3.00	*Co-Reqs: ENC1101*
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
GEB1011	Introduction to Business	3.00	
GEB2430	Business Ethics	3.00	*Co-Reqs: ENC1101*
HFT1000	Introduction to Hospitality Industry	3.00	
ISM2000	Introduction to Business Information Processing	3.00	
MAN2021	Principles of Management	3.00	

MAR2011	Principles of Global Marketing	3.00	
MAR2101	Social Media Marketing	3.00	
MAR2321	Advertising	3.00	
MAR2720	Introduction to E-Commerce	3.00	
MKA2021	Sales Fundamentals	3.00	
MNA2345	Supervision of Personnel	3.00	
OST1330	Business English	3.00	
OST2828	Business Presentation Software	1.00	
OST2852	Excel for the Office	1.00	

... ...   Education

		SEM HRS	
EDF1005	Introduction to the Teaching Profession	3.00	
EDF2030	Effective Classroom Management	3.00	
EDF2060	History of Education in the USA	3.00	
EDF2085	Introduction to Diversity for Educators	3.00	
EDP2002	Educational Psychology	3.00	
EEX2010	Introduction to Special Education	3.00	*Pre-Reqs: EDF1005*
EME2040	Introduction to Education Technology	3.00	
MAE2801	Elementary School Mathematics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

... ...   Historical, Political & Global

		SEM HRS	
AMH2010	United States History to 1877	3.00	*Pre-Reqs: ENC1101*
AMH2020	United States History 1865 to Present	3.00	*Pre-Reqs: ENC1101*
AMH2042	American Social History 1860 to Present	3.00	*Pre-Reqs: ENC1101*
AMH2045	American Maritime History	3.00	*Pre-Reqs: ENC1101*
AMH2047	Survey of US Military History	3.00	*Co-Reqs: ENC1101*
AMH2057	The American Civil War	3.00	*Pre-Reqs: ENC1101*
AMH2058	World War II	3.00	*Pre-Reqs: ENC1101*
AMH2059	The Vietnam War	3.00	*Pre-Reqs: ENC1101*
AMH2091	Survey of African American History	3.00	*Co-Reqs: ENC1101*
CPO2001	Comparative Government	3.00	*Pre-Reqs: ENC1101*
EUH2000	History of Western Civilization to 1648	3.00	*Pre-Reqs: ENC1101*
EUH2001	History of Western Civilization from 1648 to Present	3.00	*Pre-Reqs: ENC1101*
GEO2000	World Geography	3.00	*Co-Reqs: ENC1101*
GEO2420	Cultural Geography	3.00	*Co-Reqs: ENC1101*
INR2002	International Relations	3.00	*Co-Reqs: ENC1101*
PHI2001	Introduction of Philosophy I	3.00	*Pre-Reqs: ENC1101*
PHI2100	Philosophy of Reasoning, Argument and Critical Thinking	3.00	*Co-Reqs: ENC1101*
PHI2600	Introduction to Ethics	3.00	*Pre-Reqs: ENC1101*
PLA2880	Constitutional Law	3.00	*Co-Reqs: ENC1101*
POS2001	Introduction to Political Science	3.00	*Co-Reqs: ENC1101*
POS2041	American Federal Government	3.00	*Co-Reqs: ENC1101*
POS2112	State and Local Government	3.00	*Co-Reqs: ENC1101*
POS2930	Russian Politics and Foreign Policy	3.00	*Co-Reqs: ENC1101*
REL2300	World Religion	3.00	*Pre-Reqs: ENC1101*
WOH2012	World History Before 1500	3.00	*Pre-Reqs: ENC1101*
WOH2022	World History After 1500	3.00	*Pre-Reqs: ENC1101*

... ...   Humanities & Arts

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
ARH2050	Introduction to the History and Criticism of Art I	3.00	*Co-Reqs: ENC1101*
ARH2051	Introduction to the History and Criticism of Art II	3.00	*Co-Reqs: ENC1101*
ART1201	Design I	2.00	*Conc-Reqs: ART1201L*
ART1201L	Design I Lab	1.00	*Conc-Reqs: ART1201*
ART1203	Design II	2.00	*Pre-Reqs: ART1201 OR ART1201C Conc-Reqs: ART1203L*
ART1203L	Design II Lab	1.00	*Conc-Reqs: ART1203*
ART1300	Drawing I	2.00	*Conc-Reqs: ART1300L*
ART1300L	Drawing I Lab	1.00	*Conc-Reqs: ART1300*
ART1301	Drawing II	2.00	*Pre-Reqs: ART1300 OR ART1300C Conc-Reqs: ART1301L*
ART1301L	Drawing II Lab	1.00	*Conc-Reqs: ART1301*

ART1331	Drawing III	2.00	*Pre-Reqs: ART1300 Conc-Reqs: ART1331L*
ART1331L	Drawing III Lab	1.00	*Conc-Reqs: ART1331*
ART1500	Painting I	2.00	*Conc-Reqs: ART1500L*
ART1500L	Painting I Lab	1.00	*Conc-Reqs: ART1500*
ART1501	Painting II	2.00	*Pre-Reqs: ART1500C OR ART1500 Conc-Reqs: ART1501L*
ART1501L	Painting II Lab	1.00	*Conc-Reqs: ART1501*
ART1754	Pottery Handbuilding I	2.00	*Conc-Reqs: ART1754L*
ART1754L	Pottery Handbuilding I Lab	1.00	*Conc-Reqs: ART1754*
ART1772	Raku Pottery I	2.00	*Conc-Reqs: ART1772L*
ART1772L	Raku Pottery I Lab	1.00	*Conc-Reqs: ART1772*
ART2400	Printmaking I	2.00	*Conc-Reqs: ART2400L*
ART2400L	Printmaking Lab	1.00	*Conc-Reqs: ART2400*
ART2540	Watercolor I	2.00	*Conc-Reqs: ART2540L*
ART2540L	Watercolor I Lab	1.00	*Conc-Reqs: ART2540*
ART2551	Airbrush Techniques	2.00	*Conc-Reqs: ART2551L*
ART2551L	Airbrush Techniques Lab	1.00	*Conc-Reqs: ART2551*
ART2701	Sculpture I	2.00	*Conc-Reqs: ART2701L*
ART2701L	Sculpture I Lab	1.00	*Conc-Reqs: ART2701*
ART2702	Sculpture II	2.00	*Pre-Reqs: ART2701 OR ART2701C Conc-Reqs: ART2702L*
ART2702L	Sculpture II Lab	1.00	*Conc-Reqs: ART2702*
ART2722	Stone Carving	2.00	*Conc-Reqs: ART2722L*
ART2722L	Stone Carving Lab	1.00	*Conc-Reqs: ART2722*
ART2752	Pottery Wheelthrowing I	2.00	*Conc-Reqs: ART2752L*
ART2752L	Pottery Wheelthrowing I Lab	1.00	*Conc-Reqs: ART2752*
ART2759	Ceramic Studio I	1.00	*Pre-Reqs: ART1754C OR ART2752 OR ART1754*
ART2834	Museum and Gallery Practices	1.00	*Pre-Reqs: PGY2000 OR ARH2050 OR ARH2051 Conc-Reqs: ART2834L*
ART2834L	Museum and Gallery Practices Lab	2.00	*Conc-Reqs: ART2834*
... ...	**Applied Music - Principal Level Courses**	1.00	
... ...	**Applied Music - Secondary Level Courses**	1.00	
... ...	**Chamber Music - Ensemble Courses**	1.00	
CRW2100	Fiction Writing	3.00	*Co-Reqs: ENC1102*
CRW2300	Poetry Writing	3.00	*Pre-Reqs: ENC1102 AND ENC1101*
DAA1100	Modern Dance I	3.00	
DAA1104	Modern Dance I for Pre-Majors	3.00	
DAA1105	Modern Dance II for Pre-Majors	3.00	*Pre-Reqs: DAA1104*
DAA1200	Classical Ballet I	3.00	
DAA1204	Ballet I for Pre-Majors	3.00	*Pre-Reqs: DAA1104*
DAA1205	Ballet II for Pre-Majors	3.00	*Pre-Reqs: DAA1204*
DAA1500	Beginning Jazz Dance	3.00	
DAA1520	Beginning Tap Dance	3.00	
DAA2101	Modern Dance II	3.00	*Pre-Reqs: DAA1100*
DAA2106	Intermediate Modern Dance I for Pre-Majors	3.00	*Pre-Reqs: DAA1105*
DAA2107	Intermediate Modern Dance II for Pre-Majors	3.00	*Pre-Reqs: DAA2106*
DAA2201	Classical Ballet II	3.00	*Pre-Reqs: DAA1200*
DAA2206	Intermediate Ballet I for Pre-Majors	3.00	*Pre-Reqs: DAA1205*
DAA2207	Intermediate Ballet II for Pre-Majors	3.00	*Pre-Reqs: DAA2206*
DAA2501	Intermediate Jazz Dance	3.00	*Pre-Reqs: DAA1500*
DAA2540	Musical Theater Dance	3.00	*Pre-Reqs: DAN1100 OR DAA1100*
DAA2610	Dance Composition	3.00	*Pre-Reqs: DAA1100*
DAA2640	Choreography and Dance Ensemble	2.00	*Conc-Reqs: DAA2640L*
DAA2640L	Choreography and Dance Ensemble Lab	1.00	*Conc-Reqs: DAA2640*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
DAN2740	Stretch and Placement	3.00	
DIG1109	Digital Imaging Fundamentals	3.00	
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
HUM2740	Humanities Overseas Study Program	3.00	
MUC2601	Introduction to Songwriting	3.00	*Pre-Reqs: MUT1001 OR MUT1121*
MUH1021	History of Country Music	3.00	
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
MUM1610	Survey of Recording Technology	3.00	
MUM1622	Sound Reinforcement	3.00	*Co-Reqs: MUM1610*
MUM2600	Audio Engineering I	3.00	*Co-Reqs: MUM2600L Pre-Reqs: MUM1610*
MUM2600L	Audio Engineering I Lab	2.00	*Co-Reqs: MUM2600 Pre-Reqs: MUM1610*
MUM2601	Audio Engineering II	3.00	*Co-Reqs: MUM2601L Pre-Reqs: MUM2600*
MUM2601L	Audio Engineering II Lab	2.00	*Co-Reqs: MUM2601 Pre-Reqs: MUM2600L*
MUM2603	Studio Maintenance	3.00	*Pre-Reqs: MUM1610*
MUM2607	Soundtrack Development	3.00	*Co-Reqs: MUM2640*
MUM2609	Studio Production	3.00	*Pre-Reqs: MUM2600*
MUM2611	Live Recording Techniques	3.00	*Pre-Reqs: MUM1622*
MUM2640	Post Production Sound	3.00	*Pre-Reqs: MUM2609*

MUM2700	Survey of Music Business	3.00	
MUM2720	Music Publishing, Copyright and Intellectual Property	3.00	*Pre-Reqs: MUM2700*
MUM2722	Artist Management	3.00	*Pre-Reqs: MUM2700*
MUM2728	Concert Production and Event Management	3.00	*Pre-Reqs: MUM2700*
MUM2730	Public Relations and Marketing for Music	3.00	*Pre-Reqs: MUM2700*
MUN1031	Contemporary Music Ensemble I	1.00	
MUN1032	Contemporary Music Ensemble II	1.00	*Pre-Reqs: MUN1031*
MUN1120	College Band	2.00	*Conc-Reqs: MUN1120L*
MUN1120L	College Band Lab	1.00	*Conc-Reqs: MUN1120*
MUN1210	Orchestra	2.00	*Conc-Reqs: MUN1210L*
MUN1210L	Orchestra Lab	1.00	*Conc-Reqs: MUN1210*
MUN1340	Concert Choir	2.00	*Conc-Reqs: MUN1340L*
MUN1340L	Concert Choir Lab	1.00	*Conc-Reqs: MUN1340*
MUN1362	Madrigal Dinner Rehearsal and Performance	3.00	
MUN1710	Jazz Ensemble	2.00	*Conc-Reqs: MUN1710L*
MUN1710L	Jazz Ensemble Lab	1.00	*Conc-Reqs: MUN1710*
MUN1711	Jazz Combo	1.00	
MUN1720	Contemporary Vocal Ensemble	2.00	*Co-Reqs: MUN1340 Conc-Reqs: MUN1720L*
MUN1720L	Contemporary Vocal Ensemble Lab	1.00	*Conc-Reqs: MUN1720*
MUS1621	Acoustics and Psychoacoustics	3.00	*Pre-Reqs: MUM2601*
MUS1622	Sound Reinforcement	3.00	
MUS2360	Learning Basic Music Using the Computer	3.00	
MUT1001	Fundamentals of Music	3.00	
MUT1121	Music Theory I	3.00	*Conc-Reqs: MUT1121L*
MUT1121L	Music Theory I Lab	1.00	*Conc-Reqs: MUT1121*
MUT1122	Music Theory II	3.00	*Pre-Reqs: MUT1121 Conc-Reqs: MUT1122L*
MUT1122L	Music Theory II Lab	1.00	*Conc-Reqs: MUT1122*
MUT2126	Music Theory III	3.00	*Pre-Reqs: MUT1122 Conc-Reqs: MUT2126L*
MUT2126L	Music Theory III Lab	1.00	*Conc-Reqs: MUT2126*
MUT2127	Music Theory IV	3.00	*Pre-Reqs: MUT2126 Conc-Reqs: MUT2127L*
MUT2127L	Music Theory IV Lab	1.00	*Conc-Reqs: MUT2127*
MVK1111	Applied Music-Group (Piano) I-II	1.00	
MVK2121	Applied Music-Group (Piano) III-IV	1.00	
MVS1116	Beginning Class Guitar	1.00	
MVS2126	Intermediate Class Guitar	1.00	
MVV1111	Beginning Class Voice	1.00	
PGY1100	Photography I	3.00	
PGY1403	Fundamentals of Photography	4.00	*Co-Reqs: PGY1800*
PGY2000	History and Aesthetics Photography	3.00	*Co-Reqs: ENC1101*
PGY2210	Professional Studio Portraiture	4.00	*Co-Reqs: PGY2650 Pre-Reqs: PGY1201 AND PGY2806*
PGY2216	Location Photography	4.00	*Co-Reqs: PGY2226 Pre-Reqs: PGY2650 AND PGY2210*
PGY2226	Commercial/Illustration Photography	4.00	*Co-Reqs: PGY2750 OR PGY2216 Pre-Reqs: PGY1115 AND PGY2650 AND PGY2210*
PGY2470	Advanced Photo Workshop	4.00	*Pre-Reqs: PGY2806 AND PGY1201*
PGY2650	Editorial Photography	4.00	*Co-Reqs: PGY2210 Pre-Reqs: PGY2806 AND PGY1115 AND PGY1201*
PGY2750	Introduction to Video Production	4.00	*Co-Reqs: PGY2226 Pre-Reqs: PGY2650 AND PGY2210*
PGY2801	Digital Photography	3.00	
PGY2806	Fine Arts Digital Photography	4.00	*Co-Reqs: PGY1201 Pre-Reqs: PGY1101 AND PGY1800*
PGY2935	Portfolio Workshop	4.00	*Pre-Reqs: PGY2210 AND PGY2650*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*
THE1035	Dramatics I (Acting)	3.00	
THE1036	Dramatics II (Acting)	3.00	*Pre-Reqs: THE1035*
THE2037	Dramatics III (Theatre Production)	3.00	*Pre-Reqs: THE1036*
THE2038	Dramatics IV (Theatre Production)	3.00	*Pre-Reqs: THE2037*
TPA2200	Stagecraft	3.00	
TPP2190	Theatre Rehearsal and Performance	2.00	*Conc-Reqs: TPP2190L*
TPP2190L	Theatre Rehearsal and Performance Lab	1.00	*Conc-Reqs: TPP2190*
TPP2300	Beginning Directing	3.00	

... ... **Mathematics & Technology**

SEM HRS

CGS1060	Basic Computer Concepts	2.00	*Conc-Reqs: CGS1060L*
CGS1060L	Basic Computer Concepts Lab	1.00	*Conc-Reqs: CGS1060*
CGS2100	Microcomputer Applications	3.00	
COP1000	Principles of Computer Programming	3.00	
COP2001	Computer Programming "C++"	2.00	*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	1.00	*Conc-Reqs: COP2001*
COP2220	Computer Programming "C"	3.00	*Pre-Reqs: COP1000 OR MAC1105*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
COP2805	Advanced Computer Programming "Java"	3.00	
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
COP2850	Web Programming Project	3.00	*Pre-Reqs: CGS2821 AND CGS2820*

EET1141	Analog Devices and Circuits	3.00	*Co-Reqs: EET1021 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1141L*
EET1141L	Analog Devices and Circuits Lab	1.00	*Conc-Reqs: EET1141*
EET2142	Analog Circuits and Basic Analog Communications	3.00	*Pre-Reqs: EET1141 AND EET1141L Conc-Reqs: EET2142L*
EET2142L	Analog Circuits and Basic Analog Communications Lab	1.00	*Conc-Reqs: EET2142*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MAC1114	College Trigonometry	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
MAC1140	Pre-Calculus Algebra	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
MAC2233	Calculus for Business and Nonphysical Sciences I	3.00	*Pre-Reqs: MAC1140*
MAC2311	Calculus I	3.00	*Pre-Reqs: MAC1140 AND MAC1114 Conc-Reqs: MAC2311L*
MAC2311L	Calculus I Lab	1.00	*Conc-Reqs: MAC2311*
MAC2312	Calculus II	3.00	*Pre-Reqs: MAC2311 Conc-Reqs: MAC2312L*
MAC2312L	Calculus II Lab	1.00	*Pre-Reqs: MAC2311 Conc-Reqs: MAC2312*
MAC2313	Calculus III	3.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAC2313L*
MAC2313L	Calculus III Lab	1.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAC2313*
MAD2104	Discrete Mathematics	3.00	*Co-Reqs: MAC1114*
MAP2302	Differential Equations	2.00	*Pre-Reqs: MAC2312 OR MAC2312L Conc-Reqs: MAP2302L*
MAP2302L	Differential Equations Lab	1.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAP2302*
MAT1033	Intermediate Algebra	4.00	*Pre-Reqs: MAT0028 OR MAT0024 OR MAT0020*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

... ... **Public Service**

		SEM HRS	
CCJ1010	Introduction to Criminology	3.00	
CCJ1020	Introduction to Criminal Justice	3.00	
CCJ2647	Organized Crime	3.00	
CJC1000	Introduction to Corrections	3.00	
CJE1670	Crime Scene Investigation	3.00	
CJJ2002	Juvenile Delinquency	3.00	
CJT2100	Criminal Investigation	3.00	

... ... **Science**

		SEM HRS	
AST1002	Astronomy	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023*
BOT1010	General Botany	3.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010L*
BOT1010L	General Botany Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010*
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	*Co-Reqs: ENC1101*
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1.00	*Co-Reqs: ENC1101 AND BSC1005*
BSC1010	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
BSC1011	General Biology II (For Science Majors)	3.00	*Pre-Reqs: BSC1010 OR BSC1010C Conc-Reqs: BSC1011L*
BSC1011L	General Biology II (For Science Majors) Lab	1.00	*Pre-Reqs: BSC1010C OR BSC1010 Conc-Reqs: BSC1011*
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
BSC2930	Biological Themes in Film	3.00	*Co-Reqs: ENC1101*
CHM1025	Introductory to Chemistry	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
CHM1025L	Introduction to Chemistry Lab	1.00	*Conc-Reqs: CHM1025*
CHM1045	General College Chemistry I	3.00	*Co-Reqs: ENC1101 AND MAC1105 OR MAP2302 OR MAC1114 OR MAC2312 OR STA2023 OR MAC1140 OR MAC2311 OR MAC2313 OR*

			MAC2233 Pre-Reqs: CHM1025 Conc-Reqs: CHM1045L
CHM1045L	General College Chemistry I Lab	1.00	*Conc-Reqs: CHM1045*
CHM1046	General College Chemistry II	3.00	*Pre-Reqs: CHM1045 OR CHM1045C Conc-Reqs: CHM1046L*
CHM1046L	General College Chemistry II Lab	1.00	*Pre-Reqs: CHM1045C OR CHM1045 Conc-Reqs: CHM1046*
CHM2210	Organic Chemistry	3.00	*Pre-Reqs: CHM1046 OR CHM1046C Conc-Reqs: CHM2210L*
CHM2210L	Organic Chemistry Lab	1.00	*Pre-Reqs: CHM1046C OR CHM1046 Conc-Reqs: CHM2210*
CHM2211	Organic Chemistry II	3.00	*Pre-Reqs: CHM2210 OR CHM2210C Conc-Reqs: CHM2211L*
CHM2211L	Organic Chemistry II Lab	1.00	*Pre-Reqs: CHM2210C OR CHM2210 Conc-Reqs: CHM2211*
EVR2001	Environmental Science	3.00	*Pre-Reqs: BSC1010 AND CHM1025L AND CHM1025 AND BSC1010L AND MAC1105 Conc-Reqs: EVR2001L*
EVR2001L	Environmental Science Lab	1.00	*Conc-Reqs: EVR2001*
EVR2861	Environmental Policy	3.00	*Co-Reqs: EVR2001 AND EVR2001L Pre-Reqs: ENC1101*
EVR2933	Environmental Seminar	1.00	*Co-Reqs: EVR2943*
EVR2943	Environmental Internship	3.00	*Co-Reqs: PCB2033 AND EVR2933 Pre-Reqs: OCE2013L AND OCE2013*
GIS2040	Geographic Information Systems	2.00	*Conc-Reqs: GIS2040L*
GIS2040L	Geographic Information Systems Lab	1.00	*Conc-Reqs: GIS2040*
GLY2010	Physical Geology	3.00	*Co-Reqs: ENC1101 OR MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 Pre-Reqs: MAT1033 Conc-Reqs: GLY2010L*
GLY2010L	Physical Geology Lab	1.00	*Conc-Reqs: GLY2010*
GLY2100	Historical Geology	3.00	*Pre-Reqs: GLY2010 AND GLY2010L*
HLP1081	Fitness Assessment and Improvement	3.00	
HSC1531	Medical Terminology	4.00	
HSC2400	First Aid, Responding to Emergencies	3.00	
HUN1201	Human Nutrition	3.00	
HUN1270	Sports Nutrition	3.00	
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*
MET2010	Meteorology	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MAC2311 OR MGF2106*
OCB2000	Introduction to Marine Biology	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2107 OR STA2023 OR MGF2106 Conc-Reqs: OCB2000L*
OCB2000L	Introduction to Marine Biology Lab	1.00	*Conc-Reqs: OCB2000*
OCE1001	Introduction to Oceanography	3.00	*Co-Reqs: ENC1101 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2106 OR MGF2107 Pre-Reqs: MAT1033*
OCE2013	Aquatic Environmental Science	3.00	*Pre-Reqs: CHM1025 AND OCE1001 AND STA2023 AND CHM1025L AND MAC1105 Conc-Reqs: OCE2013L*
OCE2013L	Aquatic Environmental Science Lab	1.00	*Conc-Reqs: OCE2013*
PCB2033	Introduction to Ecology	3.00	*Pre-Reqs: BSC1010 AND MAC1105 AND STA2023 Conc-Reqs: PCB2033L*
PCB2033L	Introduction to Ecology Lab	1.00	
PCB2510	Human Genetics	3.00	*Pre-Reqs: BSC1010C OR MCB1010C OR BSC1010 OR MCB1010 Conc-Reqs: PCB2510L*
PCB2510L	Human Genetics Lab	1.00	*Pre-Reqs: BSC1010C OR MCB1010C OR BSC1010 OR MCB1010 Conc-Reqs: PCB2510*
PET2084	Personal Health and Wellness	3.00	
PET2621	Principles of Athletic Training	3.00	
PET2622	Care and Prevention of Athletic Injuries	3.00	
PHY1020	Energy and its Environmental Effects	3.00	*Pre-Reqs: MAC1105*
PHY1053	General Physics I	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MTB1348 OR MAC1114 Conc-Reqs: PHY1053L*
PHY1053L	General Physics I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: PHY1053*
PHY1054	General Physics II	3.00	*Pre-Reqs: PHY1053 OR PHY1053C Conc-Reqs: PHY1054L*
PHY1054L	General Physics II Lab	1.00	*Pre-Reqs: PHY1053C OR PHY1053 Conc-Reqs: PHY1054*
PHY2048	Physics with Calculus I	4.00	*Co-Reqs: ENC1101 AND MAC2311 AND MAC2311L Conc-Reqs: PHY2048L*
PHY2048L	Physics with Calculus I Lab	1.00	*Conc-Reqs: PHY2048*
PHY2049	Physics with Calculus II	4.00	*Co-Reqs: MAC2312 AND MAC2312L Pre-Reqs: PHY2048 OR PHY2048C Conc-Reqs: PHY2049L*
PHY2049L	Physics with Calculus II Lab	1.00	*Co-Reqs: MAC2312 AND MAC2312L Pre-Reqs: PHY2048 Conc-Reqs: PHY2049*
PSC1121	Physical Science	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106*

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1 - The state mandated 36 hours of general education are distributed in these areas.

2 - The remaining 24 credit hours are electives and must be selected from the list of COLLEGE TRANSFER ELECTIVE COURSES. However, it is recommended that students know the requirements of the senior university they plan to attend and that they work with their faculty advisor or an academic advisor to select electives to fulfill the prerequisites for their major.

3 - Students who choose the BSC1085/1086 option to fulfill the biological sciences core requirement can use remaining credits to fulfill elective hours as appropriate. Both courses must be successfully completed to satisfy the biological sciences core requirements.

4 - Students may select MAC1105, MGF2106 and MGF2107 as an option to meet this core requirement if they did not choose one of these courses in FIRST YEAR - SEMESTER I.

5 - For those students selecting a four-hour course, three hours are applied to the general education core area and one is applied to the appropriate elective hour.

6 - Students should know the requirements of the senior university they plan to attend and work with their Daytona State College faculty advisor or an academic advisor to select elctives to fullfill the prerequisites for their major.

Note: All courses are listed in the most recent Transfer Student Counseling Manual. These courses will be either duplicated in our catalog or brought in as transfer courses. Courses transferred from other institutions are decided on an individual basis.

Please refer to the Excess Hours Advisory Statement from the Division of Florida Colleges in the College Catalog under General Education - Requirements for the Associate of Arts Degree.

COP1000	Principles of Computer Programming	3.00	
COP2001	Computer Programming "C++"	2.00	*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	1.00	*Conc-Reqs: COP2001*
COP2220	Computer Programming "C"	3.00	*Pre-Reqs: COP1000 OR MAC1105*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
COP2805	Advanced Computer Programming "Java"	3.00	
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
COP2850	Web Programming Project	3.00	*Pre-Reqs: CGS2821 AND CGS2820*
EET1141	Analog Devices and Circuits	3.00	*Co-Reqs: EET1021 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1141L*
EET1141L	Analog Devices and Circuits Lab	1.00	*Conc-Reqs: EET1141*
EET2142	Analog Circuits and Basic Analog Communications	3.00	*Pre-Reqs: EET1141 AND EET1141L Conc-Reqs: EET2142L*
EET2142L	Analog Circuits and Basic Analog Communications Lab	1.00	*Conc-Reqs: EET2142*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MAC1114	College Trigonometry	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
MAC1140	Pre-Calculus Algebra	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
MAC2233	Calculus for Business and Nonphysical Sciences I	3.00	*Pre-Reqs: MAC1140*
MAC2311	Calculus I	3.00	*Pre-Reqs: MAC1140 AND MAC1114 Conc-Reqs: MAC2311L*
MAC2311L	Calculus I Lab	1.00	*Conc-Reqs: MAC2311*
MAC2312	Calculus II	3.00	*Pre-Reqs: MAC2311 Conc-Reqs: MAC2312L*
MAC2312L	Calculus II Lab	1.00	*Pre-Reqs: MAC2311 Conc-Reqs: MAC2312*
MAC2313	Calculus III	3.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAC2313L*
MAC2313L	Calculus III Lab	1.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAC2313*
MAD2104	Discrete Mathematics	3.00	*Co-Reqs: MAC1114*
MAP2302	Differential Equations	2.00	*Pre-Reqs: MAC2312 OR MAC2312L Conc-Reqs: MAP2302L*
MAP2302L	Differential Equations Lab	1.00	*Pre-Reqs: MAC2312 Conc-Reqs: MAP2302*
MAT1033	Intermediate Algebra	4.00	*Pre-Reqs: MAT0028 OR MAT0024 OR MAT0020*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

... ...	**Public Service**		
		SEM HRS	
CCJ1010	Introduction to Criminology	3.00	
CCJ1020	Introduction to Criminal Justice	3.00	
CCJ2647	Organized Crime	3.00	
CJC1000	Introduction to Corrections	3.00	
CJE1670	Crime Scene Investigation	3.00	
CJJ2002	Juvenile Delinquency	3.00	
CJT2100	Criminal Investigation	3.00	

... ...	**Science**		
		SEM HRS	
AST1002	Astronomy	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023*
BOT1010	General Botany	3.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010L*
BOT1010L	General Botany Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010*
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	*Co-Reqs: ENC1101*
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1.00	*Co-Reqs: ENC1101 AND BSC1005*
BSC1010	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
BSC1011	General Biology II (For Science Majors)	3.00	*Pre-Reqs: BSC1010 OR BSC1010C Conc-Reqs: BSC1011L*
BSC1011L	General Biology II (For Science Majors) Lab	1.00	*Pre-Reqs: BSC1010C OR BSC1010 Conc-Reqs: BSC1011*
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*

BSC2930	Biological Themes in Film	3.00	*Co-Reqs: ENC1101*
CHM1025	Introductory to Chemistry	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
CHM1025L	Introduction to Chemistry Lab	1.00	*Conc-Reqs: CHM1025*
CHM1045	General College Chemistry I	3.00	*Co-Reqs: ENC1101 AND MAC1105 OR MAP2302 OR MAC1114 OR MAC2312 OR STA2023 OR MAC1140 OR MAC2311 OR MAC2313 OR MAC2233 Pre-Reqs: CHM1025 Conc-Reqs: CHM1045L*
CHM1045L	General College Chemistry I Lab	1.00	*Conc-Reqs: CHM1045*
CHM1046	General College Chemistry II	3.00	*Pre-Reqs: CHM1045 OR CHM1045C Conc-Reqs: CHM1046L*
CHM1046L	General College Chemistry II Lab	1.00	*Pre-Reqs: CHM1045C OR CHM1045 Conc-Reqs: CHM1046*
CHM2210	Organic Chemistry	3.00	*Pre-Reqs: CHM1046 OR CHM1046C Conc-Reqs: CHM2210L*
CHM2210L	Organic Chemistry Lab	1.00	*Pre-Reqs: CHM1046C OR CHM1046 Conc-Reqs: CHM2210*
CHM2211	Organic Chemistry II	3.00	*Pre-Reqs: CHM2210 OR CHM2210C Conc-Reqs: CHM2211L*
CHM2211L	Organic Chemistry II Lab	1.00	*Pre-Reqs: CHM2210C OR CHM2210 Conc-Reqs: CHM2211*
EVR2001	Environmental Science	3.00	*Pre-Reqs: BSC1010 AND CHM1025L AND CHM1025 AND BSC1010L AND MAC1105 Conc-Reqs: EVR2001L*
EVR2001L	Environmental Science Lab	1.00	*Conc-Reqs: EVR2001*
EVR2861	Environmental Policy	3.00	*Co-Reqs: EVR2001 AND EVR2001L Pre-Reqs: ENC1101*
EVR2933	Environmental Seminar	1.00	*Co-Reqs: EVR2943*
EVR2943	Environmental Internship	3.00	*Co-Reqs: PCB2033 AND EVR2933 Pre-Reqs: OCE2013L AND OCE2013*
GIS2040	Geographic Information Systems	2.00	*Conc-Reqs: GIS2040L*
GIS2040L	Geographic Information Systems Lab	1.00	*Conc-Reqs: GIS2040*
GLY2010	Physical Geology	3.00	*Co-Reqs: ENC1101 OR MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 Pre-Reqs: MAT1033 Conc-Reqs: GLY2010L*
GLY2010L	Physical Geology Lab	1.00	*Conc-Reqs: GLY2010*
GLY2100	Historical Geology	3.00	*Pre-Reqs: GLY2010 AND GLY2010L*
HLP1081	Fitness Assessment and Improvement	3.00	
HSC1531	Medical Terminology	4.00	
HSC2400	First Aid, Responding to Emergencies	3.00	
HUN1201	Human Nutrition	3.00	
HUN1270	Sports Nutrition	3.00	
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*
MET2010	Meteorology	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MAC2311 OR MGF2106*
OCB2000	Introduction to Marine Biology	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2107 OR STA2023 OR MGF2106 Conc-Reqs: OCB2000L*
OCB2000L	Introduction to Marine Biology Lab	1.00	*Conc-Reqs: OCB2000*
OCE1001	Introduction to Oceanography	3.00	*Co-Reqs: ENC1101 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2106 OR MGF2107 Pre-Reqs: MAT1033*
OCE2013	Aquatic Environmental Science	3.00	*Pre-Reqs: CHM1025 AND OCE1001 AND STA2023 AND CHM1025L AND MAC1105 Conc-Reqs: OCE2013L*
OCE2013L	Aquatic Environmental Science Lab	1.00	*Conc-Reqs: OCE2013*
PCB2033	Introduction to Ecology	3.00	*Pre-Reqs: BSC1010 AND MAC1105 AND STA2023 Conc-Reqs: PCB2033L*
PCB2033L	Introduction to Ecology Lab	1.00	
PCB2510	Human Genetics	3.00	*Pre-Reqs: BSC1010C OR MCB1010C OR BSC1010 OR MCB1010 Conc-Reqs: PCB2510L*
PCB2510L	Human Genetics Lab	1.00	*Pre-Reqs: BSC1010C OR MCB1010C OR BSC1010 OR MCB1010 Conc-Reqs: PCB2510*
PET2084	Personal Health and Wellness	3.00	
PET2621	Principles of Athletic Training	3.00	
PET2622	Care and Prevention of Athletic Injuries	3.00	
PHY1020	Energy and its Environmental Effects	3.00	*Pre-Reqs: MAC1105*
PHY1053	General Physics I	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MTB1348 OR MAC1114 Conc-Reqs: PHY1053L*
PHY1053L	General Physics I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: PHY1053*
PHY1054	General Physics II	3.00	*Pre-Reqs: PHY1053 OR PHY1053C Conc-Reqs: PHY1054L*
PHY1054L	General Physics II Lab	1.00	*Pre-Reqs: PHY1053C OR PHY1053 Conc-Reqs: PHY1054*
PHY2048	Physics with Calculus I	4.00	*Co-Reqs: ENC1101 AND MAC2311 AND MAC2311L Conc-Reqs: PHY2048L*
PHY2048L	Physics with Calculus I Lab	1.00	*Conc-Reqs: PHY2048*
PHY2049	Physics with Calculus II	4.00	*Co-Reqs: MAC2312 AND MAC2312L Pre-Reqs: PHY2048 OR PHY2048C Conc-Reqs: PHY2049L*
PHY2049L	Physics with Calculus II Lab	1.00	*Co-Reqs: MAC2312 AND MAC2312L Pre-Reqs: PHY2048 Conc-Reqs:*

| PSC1121 | Physical Science | 3.00 | *PHY2049*
Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106 |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1 - The state mandated 36 hours of general education are distributed in these areas.

2 - The remaining 24 credit hours are electives and must be selected from the list of COLLEGE TRANSFER ELECTIVE COURSES. However, it is recommended that students know the requirements of the senior university they plan to attend and that they work with their faculty advisor or an academic advisor to select electives to fulfill the prerequisites for their major.

3 - Students who choose the BSC1085/1086 option to fulfill the biological sciences core requirement can use remaining credits to fulfill elective hours as appropriate. Both courses must be successfully completed to satisfy the biological sciences core requirements.

4 - Students may select MAC1105, MGF2106 and MGF2107 as an option to meet this core requirement if they did not choose one of these courses in FIRST YEAR - SEMESTER I.

5 - For those students selecting a four-hour course, three hours are applied to the general education core area and one is applied to the appropriate elective hour.

6 - Students should know the requirements of the senior university they plan to attend and work with their Daytona State College faculty advisor or an academic advisor to select elctives to fullfill the prerequisites for their major.

Note: All courses are listed in the most recent Transfer Student Counseling Manual. These courses will be either duplicated in our catalog or brought in as transfer courses. Courses transferred from other institutions are decided on an individual basis.

Please refer to the Excess Hours Advisory Statement from the Division of Florida Colleges in the College Catalog under General Education - Requirements for the Associate of Arts Degree.

Audio/Recording Technology

Program Information

A.S. Certificate - Code 0818 - Catalog 2012/2013

Douglas Peterson, Chairperson, SMEA, 386-506-3276, petersd@DaytonaState.edu
Susan Pate, Associate Vice President, 386-506-3769, pates@daytonastate.edu
Jake Niceley, 386-506-3482, nicelej@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The purpose of this program is to prepare students for initial employment as a sound technician or recording technician, or to provide supplemental training for persons previously or currently employed in these occupations.

Description:

The program's curricular content includes, but is not limited to, set up and configuration of a computer for audio applications, and the operation of basic reproduction, and audio recording equipment.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate a functional ability to work in cohesive teams focusing on organizational and leadership skills while contributing to the community through audio-related service learning.

2. Expand their knowledge set and proficiencies in music production technology and audio engineering.

3. Enhance or refine their existing skills in technical problem solving for audio engineering through integrated and reflective learning.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Consult college bookstore for approximate costs of textbooks. See college catalog for lab fee requirements.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
MUM1610	Survey of Recording Technology	3.00	
MUM2600	Audio Engineering I	3.00	*Co-Reqs: MUM2600L Pre-Reqs: MUM1610*
MUM2600L	Audio Engineering I Lab	2.00	*Co-Reqs: MUM2600 Pre-Reqs: MUM1610*
MUM2601	Audio Engineering II	3.00	*Co-Reqs: MUM2601L Pre-Reqs: MUM2600*
MUM2601L	Audio Engineering II Lab	2.00	*Co-Reqs: MUM2601 Pre-Reqs: MUM2600L*
MVK1111	Applied Music-Group (Piano) I-II	1.00	
MVK2121	Applied Music-Group (Piano) III-IV	1.00	

Sample Program of Study

Course	Title	SEM HRS	

... ... 1st Semester

Course	Title	SEM HRS	
MUM1610	Survey of Recording Technology	3.00	
MVK1111	Applied Music-Group (Piano) I-II	1.00	

... ... 2nd Semester

Course	Title	SEM HRS	
MUM2600	Audio Engineering I	3.00	*Co-Reqs: MUM2600L Pre-Reqs: MUM1610*
MUM2600L	Audio Engineering I Lab	2.00	*Co-Reqs: MUM2600 Pre-Reqs: MUM1610*
MVK2121	Applied Music-Group (Piano) III-IV	1.00	

... ...   3rd Semester

MUM2601	Audio Engineering II	3.00	*Co-Reqs: MUM2601L Pre-Reqs: MUM2600*
MUM2601L	Audio Engineering II Lab	2.00	*Co-Reqs: MUM2601 Pre-Reqs: MUM2600L*

TOTAL   ...   **15.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

AutoCAD Foundations (Architectural)

Program Information

A.S. Certificate - Code 0927 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Roger King, Instructor, 386-506-4144, kingr@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the AutoCAD Foundations (Architectural) program is to provide the knowledge and skills necessary to progress in the program of study to completion of an Associate of Science certificate.

Description:
The program provides a foundation in the use of AutoCAD for architecture and construction. The certificate includes instruction in architectural drawing and the use of AutoCAD software for 2D drafting and 3D modeling. Additional courses include architectural detailing, and architectural Cad.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and skills to follow rules and regulations.
2. Identify and use different tools, equipment, materials and products used in the industry.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to theory, applications and designs.
4. Demonstrate knowledge and skill in commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects related to the field.

Note: The length of this program makes it ineligible for federal and state financial aid.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
ETD2395	Architectural CAD	2.00	*Conc-Reqs: ETD2395L*
ETD2395L	Architectural CAD Lab	1.00	*Conc-Reqs: ETD2395*
... ...	**Construction Elective**	3.00	

Course	**Construction Elective (3 Hrs) Choose One from List**	SEM HRS	
... ...			
BCN1253	Architectural Drawing II	2.00	*Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L*
BCN1253L	Architectural Drawing II Lab	1.00	*Conc-Reqs: BCN1253*
IND2608	Sustainable Design	3.00	
IND1211	History of Architecture and Interiors I	3.00	
ETC2245	Construction Methods	3.00	
IND1001	History of Architecture and Interiors II	3.00	
BCN1210	Materials and Processes	3.00	
ETC2207	Construction Planning and Estimating	3.00	*Pre-Reqs: BCN1210 Conc-Reqs: ETC2207L*
ETC2207L	Construction Planning and Estimating Lab	1.00	*Conc-Reqs: ETC2207*
BCN2257	Architectural Detailing	2.00	*Conc-Reqs: BCN2257L*
BCN2257L	Architectural Detailing Lab	1.00	*Conc-Reqs: BCN2257*

Sample Program of Study

Course   **Title**

... ...   **1st Semester**

		SEM HRS	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*

... ...   **2nd Semester**

		SEM HRS	
... ...	**Construction Elective**	3.00	
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
ETD2395	Architectural CAD	2.00	*Conc-Reqs: ETD2395L*
ETD2395L	Architectural CAD Lab	1.00	*Conc-Reqs: ETD2395*
TOTAL	...	**15.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

AutoCAD Foundations (Engineering)

Program Mission, Description, and Outcomes

Mission:

The mission of the AutoCAD Foundations (Engineering) program is to provide the knowledge and skills necessary to progress in the program of study to completion of an Associate of Science certificate.

Description:

The program provides a foundation in the use of AutoCAD for engineering, manufacturing and related industries. The certificate includes instruction in engineering drawing and the use of AutoCAD software for 2D drafting and 3D modeling. Additional instruction is also provided in 3D solid modeling.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate knowledge and skills to follow rules and regulations.
2. Identify and use different tools, equipment, materials and products used in the industry.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to theory, applications and design.
4. Demonstrate knowledge and skill in residential, commercial and industrial markets.
5. Demonstrate the ability to plan and initiate projects related to the field.

Note: The length of this program makes it ineligible for federal and state financial aid.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test score.

Program Specific Courses

Course	Title	SEM HRS	
EGS1111	Engineering Drawing	2.00	*Conc-Reqs: EGS1111L*
EGS1111L	Engineering Drawing Lab	1.00	*Conc-Reqs: EGS1111*
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
ETD2465	Tool Design	2.00	*Conc-Reqs: ETD2465L*
ETD2465L	Tool Design Lab	1.00	*Conc-Reqs: ETD2465*
ETD2357	Inventor Solid Modeling	2.00	*Conc-Reqs: ETD2357L*
ETD2357L	Inventor Solid Modeling Lab	1.00	*Conc-Reqs: ETD2357*
ETD2364	SolidWorks Solid Modeling	2.00	*Conc-Reqs: ETD2364L*
ETD2364L	SolidWorks Solid Modeling Lab	1.00	*Conc-Reqs: ETD2364*

Sample Program of Study

Course   Title

... ...   1st Semester

Course	Title	SEM HRS	
EGS1111	Engineering Drawing	2.00	*Conc-Reqs: EGS1111L*
EGS1111L	Engineering Drawing Lab	1.00	*Conc-Reqs: EGS1111*
ETD2357	Inventor Solid Modeling	2.00	*Conc-Reqs: ETD2357L*
ETD2357L	Inventor Solid Modeling Lab	1.00	*Conc-Reqs: ETD2357*

... ...   2nd Semester

SEM HRS

ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
ETD2465	Tool Design	2.00	*Conc-Reqs: ETD2465L*
ETD2465L	Tool Design Lab	1.00	*Conc-Reqs: ETD2465*
ETD2364	SolidWorks Solid Modeling	2.00	*Conc-Reqs: ETD2364L*
ETD2364L	SolidWorks Solid Modeling Lab	1.00	*Conc-Reqs: ETD2364*
TOTAL	...	**15.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Automotive Collision Repair and Refinishing

Vocational Certificate - Code 1097 - Catalog 2012/2013
Eugene Deyo, Assistant Chair, 386-506-4169, deyoe@daytonastate.edu
William Smith, Faculty, 386-506-4199, smithwi@daytonastate.edu
Roger Rowan, Chair, 386-506-4171, rowanr@DaytonaState.edu

09/14/2012 M - 1330

Program Mission, Description, and Outcomes
Mission:
The mission of the Automotive Collision Repair and Refinishing program is to provide the knowledge, practice and skill development necessary for a successful career in the automotive collision and repair industry.

Description:
As quickly as the body style of today's vehicles change, so do the skills and technology required to return vehicles to pre-accident condition. The Automotive Collision Repair and Refinishing Program at the ATC (Advanced Technology College) offers state-of-the-art training in collision repair and refinishing that will prepare students to repair today's complex vehicles. This program offers theory and hands-on-training including damage analysis, body repair and refinishing. The I-CAR enhanced delivery curriculum is used as a standard for classroom training that prepares students for I-CAR and ASE certification. Today's increasingly complex vehicle designs challenge students to develop and utilize the skills required to excel in this high demand job market.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and ability to safely follow rules and regulations to I-CAR standards.
2. Identify and use different tools, equipment, material and computerized products used in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate knowledge and skills of all aspects of collision repair and refinishing.

5. Demonstrate the ability to plan, initiate, and estimate repairs and cost of projects in their field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Program Tuition and Fees: $3,917* (Book costs are not included)
Access Fee: $369 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $1,133

Students will be required to purchase tools and uniforms as needed throughout the course of the program. The approximate cost is $300.

*In-state tuition only; out-of-state will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs available please visit the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.
3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers
CIP Code (6 digit): 47.0603

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

Program Length: The typical length of this program is four (4) semesters (summer session doesn't often make) for a full-time student, with no students graduating within 4 semesters for 2011-12; and 56% within 6 semesters for 2011-2012. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 67%.

47.0603 Auto Body/Collision and Repair Technology/Technician
13-1032.00 Insurance Appraisers, Auto Damage http://www.onetonline.org/link/summary/13-1032.00
49-3021.00 Automotive Body and Related Repairers http://www.onetonline.org/link/summary/49-3021.00
49-3022.00 Automotive Glass Installers and Repairers http://www.onetonline.org/link/summary/49-3022.00
51-9122.00 Painters, Transportation Equipment http://www.onetonline.org/link/summary/51-9122.00

For additional information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=493021&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
ARR0121	Introduction to Refinishing	2.00	*Conc-Reqs: ARR0121L*
ARR0121L	Introduction to Refinishing Lab	2.00	*Conc-Reqs: ARR0121*
ARR0122	Auto Refinishing II	2.00	*Co-Reqs: ARR0121 Conc-Reqs: ARR0122L*
ARR0122L	Auto Refinishing II Lab	2.00	*Co-Reqs: ARR0121L Conc-Reqs: ARR0122*
ARR0123	Auto Refinishing III	2.00	*Co-Reqs: ARR0122 Conc-Reqs: ARR0123L*
ARR0123L	Auto Refinishing III Lab	2.00	*Co-Reqs: ARR0122L Conc-Reqs: ARR0123*
ARR0241	Introduction to Collision Repair	2.00	*Conc-Reqs: ARR0241L*
ARR0241L	Introduction to Collision Repair Lab	2.00	*Conc-Reqs: ARR0241*
ARR0242	Collision Repair II	2.00	*Co-Reqs: ARR0241 Conc-Reqs: ARR0242L*
ARR0242L	Collision Repair II Lab	2.00	*Co-Reqs: ARR0241L Conc-Reqs: ARR0242*
ARR0243	Collision Repair III	2.00	*Co-Reqs: ARR0242 Conc-Reqs: ARR0243L*
ARR0243L	Collision Repair III Lab	2.00	*Co-Reqs: ARR0242L Conc-Reqs: ARR0243*
ARR0294	Electrical, Glass and Trim	2.00	*Conc-Reqs: ARR0294L*
ARR0294L	Electrical, Glass and Trim Lab	2.00	*Conc-Reqs: ARR0294*
ARR0376	Advanced Vehicle Components	1.33	*Conc-Reqs: ARR0376L*
ARR0376L	Advanced Vehicle Components Lab	1.34	*Conc-Reqs: ARR0376*
ARR0381	Introduction to Unibody and Frame	2.00	*Conc-Reqs: ARR0381L*
ARR0381L	Introduction to Unibody and Frame Lab	2.00	*Conc-Reqs: ARR0381*
ARR0382	Unibody and Frame II	2.00	*Co-Reqs: ARR0381 Conc-Reqs: ARR0382L*
ARR0382L	Unibody and Frame II Lab	2.00	*Co-Reqs: ARR0381 Conc-Reqs: ARR0382*
ARR0383	Unibody and Frame III	2.00	*Co-Reqs: ARR0382 Conc-Reqs: ARR0383L*
ARR0383L	Unibody and Frame III Lab	2.00	*Co-Reqs: ARR0382L Conc-Reqs: ARR0383*
ARR0244	Basic Collision and Refinishing Overview (Work On Your Own Car)		*Conc-Reqs: ARR0244L*
ARR0244L	Basic Collision and Refinishing Overview (Work On Your Own Car) Lab **OR**		*Conc-Reqs: ARR0244*
ARR0949	Cooperative Education Experience in Automotive Body Repair and Refinishing	4.00	

Sample Program of Study

Course	Title		

... ...	**First Year**		
... ...	**1st Semester**		

Course	Title	VOC HRS	
ARR0121	Introduction to Refinishing	2.00	*Conc-Reqs: ARR0121L*
ARR0121L	Introduction to Refinishing Lab	2.00	*Conc-Reqs: ARR0121*
ARR0241	Introduction to Collision Repair	2.00	*Conc-Reqs: ARR0241L*
ARR0241L	Introduction to Collision Repair Lab	2.00	*Conc-Reqs: ARR0241*
ARR0381	Introduction to Unibody and Frame	2.00	*Conc-Reqs: ARR0381L*
ARR0381L	Introduction to Unibody and Frame Lab	2.00	*Conc-Reqs: ARR0381*

... ...	**2nd Semester**		

Course	Title	VOC HRS	
ARR0122	Auto Refinishing II	2.00	*Co-Reqs: ARR0121 Conc-Reqs: ARR0122L*
ARR0122L	Auto Refinishing II Lab	2.00	*Co-Reqs: ARR0121L Conc-Reqs: ARR0122*
ARR0242	Collision Repair II	2.00	*Co-Reqs: ARR0241 Conc-Reqs: ARR0242L*
ARR0242L	Collision Repair II Lab	2.00	*Co-Reqs: ARR0241L Conc-Reqs: ARR0242*
ARR0382	Unibody and Frame II	2.00	*Co-Reqs: ARR0381 Conc-Reqs: ARR0382L*
ARR0382L	Unibody and Frame II Lab	2.00	*Co-Reqs: ARR0381 Conc-Reqs: ARR0382*

... ...   **1st Semester**

		VOC HRS	
ARR0123	Auto Refinishing III	2.00	*Co-Reqs: ARR0122 Conc-Reqs: ARR0123L*
ARR0123L	Auto Refinishing III Lab	2.00	*Co-Reqs: ARR0122L Conc-Reqs: ARR0123*
ARR0243	Collision Repair III	2.00	*Co-Reqs: ARR0242 Conc-Reqs: ARR0243L*
ARR0243L	Collision Repair III Lab	2.00	*Co-Reqs: ARR0242L Conc-Reqs: ARR0243*
ARR0383	Unibody and Frame III	2.00	*Co-Reqs: ARR0382 Conc-Reqs: ARR0383L*
ARR0383L	Unibody and Frame III Lab	2.00	*Co-Reqs: ARR0382L Conc-Reqs: ARR0383*

... ...   **2nd Semester**

		VOC HRS	
ARR0294	Electrical, Glass and Trim	2.00	*Conc-Reqs: ARR0294L*
ARR0294L	Electrical, Glass and Trim Lab	2.00	*Conc-Reqs: ARR0294*
ARR0376	Advanced Vehicle Components	1.33	*Conc-Reqs: ARR0376L*
ARR0376L	Advanced Vehicle Components Lab	1.34	*Conc-Reqs: ARR0376*
ARR0244	Basic Collision and Refinishing Overview (Work On Your Own Car)		*Conc-Reqs: ARR0244L*
ARR0244L	Basic Collision and Refinishing Overview (Work On Your Own Car) Lab **OR**		*Conc-Reqs: ARR0244*
ARR0949	Cooperative Education Experience in Automotive Body Repair and Refinishing	4.00	
TOTAL	VOC. HRS.	**46.67**	
TOTAL	CONTACT HRS.	**1400.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Automotive Service Technology

Program Information

Vocational Certificate - Code 1201 - Catalog 2012/2013
John Tesauro, Assistant Chair, 386-506-4167,
Roger Rowan, Chair, Workforce & Cont. Edu., 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, 386-506-4165, cherryb@DaytonaState.edu

08/10/2012 M - 1274

Program Mission, Description, and Outcomes

Mission:
The mission of the Automotive Service Technology program is to provide the knowledge, practice and skill development necessary for a successful career in the automotive service industry.

Description:
The Automotive Service Technology program prepares the student to enter the rapidly changing and highly technical automotive industry and prepares the student to be successful on Automotive Service Excellence (ASE) tests A1 through A8. The entire program is 1800 hours and may be completed in two years. The courses are offered during the day and evening at the Advanced Technology College. The program is divided into nine occupational completion points or courses. All students must take AER 0014/0014L before taking any other classes. All students must complete their first half of AER 0360/0360L before starting AER 0503/0503L.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate appropriate mathematical and scientific employability and communication skills by written or hands-on assessment.
2. Safely and competently perform industry light line service procedures as described in Florida Automotive OCP-A.
3. Diagnose, service, and repair automotive braking, steering and suspension, and drivability performance systems.
4. Diagnose, service, and repair automotive electrical and electronic systems.
5. Diagnose, service, and repair automotive heating and air conditioning systems.
6. Diagnose, service, and repair automotive manual and automatic transmissions, rear axles, and transaxles.

7. Diagnose, service, and repair automotive engines.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $5,035* (Books/Electronic Software are not included)
Access Fee: $474 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $562 (Divided between each course)
Textbook Estimate: $300

Students will be required to purchase uniforms and safety glasses throughout the course of this program. Consult the assistant chair for additional costs.

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at http://www.fafsa.gov. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection, and registration.

3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers

CIP Code (6 digit): 15.0803

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

Program Length: The typical length of this program is four (4) semesters (summer session doesn't often make) for a full-time student, with

no graduation rate at this time because the program was restructured in 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 83%.

15.0803 Automotive Engineering Technology/Technician
49-3023.00 Automotive Service Technicians and Mechanics http://www.onetonline.org/link/summary/49-3023.00 Bright Outlook
49-3023.01 Automotive Master Mechanics http://www.onetonline.org/help/bright/49-3023.01
49-3023.02 Automotive Specialty Technicians http://www.onetonline.org/help/bright/49-3023.02 Green

For additional information on wages, trend and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=493023&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
AER0014	Automotive Service Assistor	3.00	*Conc-Reqs: AER0014L*
AER0014L	Automotive Service Assistor Lab	7.00	*Conc-Reqs: AER0014*
AER0360	Electricity/Electronics Fundamentals	3.35	*Conc-Reqs: AER0360L*
AER0360L	Electricity/Electronics Fundamentals Lab	6.65	*Conc-Reqs: AER0360*
AER0110	Engine Mechanical Service and Repair	1.65	*Conc-Reqs: AER0110L*
AER0110L	Engine Mechanical Service and Repair Lab	3.35	*Conc-Reqs: AER0110*
AER0172	Automotive Heating and Air Conditioning Systems	1.65	*Conc-Reqs: AER0172L*
AER0172L	Automotive Heating and Air Conditioning Systems Lab	3.35	*Conc-Reqs: AER0172*
AER0257	Automotive Transmission and Transaxles	1.65	*Conc-Reqs: AER0257L*
AER0257L	Automotive Transmission and Transaxles Lab	3.35	*Conc-Reqs: AER0257*
AER0274	Manual Drivetrain and Axle	1.65	*Conc-Reqs: AER0274L*
AER0274L	Manual Drivetrain and Axle Lab	3.35	*Conc-Reqs: AER0274*
AER0418	Automotive Brake Systems	1.65	*Conc-Reqs: AER0418L*
AER0418L	Automotive Brake Systems Lab	3.35	*Conc-Reqs: AER0418*
AER0453	Automotive Steering and Suspension	1.65	*Conc-Reqs: AER0453L*
AER0453L	Automotive Steering and Suspension Lab	3.35	*Conc-Reqs: AER0453*
AER0503	Automotive Engine Performance	3.35	*Conc-Reqs: AER0503L*
AER0503L	Automotive Engine Performance Lab	6.65	*Conc-Reqs: AER0503*

Sample Program of Study

Course	Title	VOC HRS	
... ...	**1st Semester**		
AER0014	Automotive Service Assistor	3.00	*Conc-Reqs: AER0014L*
AER0014L	Automotive Service Assistor Lab	7.00	*Conc-Reqs: AER0014*
AER0360	Electricity/Electronics Fundamentals	3.35	*Conc-Reqs: AER0360L*
AER0360L	Electricity/Electronics Fundamentals Lab	6.65	*Conc-Reqs: AER0360*
... ...	**2nd Semester**		
AER0110	Engine Mechanical Service and Repair	1.65	*Conc-Reqs: AER0110L*
AER0110L	Engine Mechanical Service and Repair Lab	3.35	*Conc-Reqs: AER0110*
AER0257	Automotive Transmission and Transaxles	1.65	*Conc-Reqs: AER0257L*
AER0257L	Automotive Transmission and Transaxles Lab	3.35	*Conc-Reqs: AER0257*
AER0274	Manual Drivetrain and Axle	1.65	*Conc-Reqs: AER0274L*
AER0274L	Manual Drivetrain and Axle Lab	3.35	*Conc-Reqs: AER0274*
... ...	**3rd Semester**		
AER0172	Automotive Heating and Air Conditioning Systems	1.65	*Conc-Reqs: AER0172L*
AER0172L	Automotive Heating and Air Conditioning Systems Lab	3.35	*Conc-Reqs: AER0172*

AER0453	Automotive Steering and Suspension	1.65	*Conc-Reqs: AER0453L*
AER0453L	Automotive Steering and Suspension Lab	3.35	*Conc-Reqs: AER0453*
AER0418	Automotive Brake Systems	1.65	*Conc-Reqs: AER0418L*
AER0418L	Automotive Brake Systems Lab	3.35	*Conc-Reqs: AER0418*

... ...	**4th Semester**	**VOC HRS**	
AER0503	Automotive Engine Performance	3.35	*Conc-Reqs: AER0503L*
AER0503L	Automotive Engine Performance Lab	6.65	*Conc-Reqs: AER0503*

| **TOTAL** | VOC. HRS. | **60.00** |
| **TOTAL** | CONTACT HOURS | **1800.00** |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

AER 0014 and AER 0014L are Prerequisites for all other classes. AER 0360 and AER 0360L are Prerequisites for AER 0503 and AER 0503L.

Bachelor of Applied Science in Supervision and Management

Program Information

BAS Degree - Code 6000 - Catalog 2012/2013
Lee Kenyon, Assistant Chair, 386-506-3557,
Contact BAS Office for info, 386-506-4227, BASinfo@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:
To provide access for students to earn a quality baccalaureate education that aligns with the program outcomes to meet local business and industry management workforce needs. Students will broaden their knowledge in management skills, be creative thinkers in an applied business environment, practice behaviors in business that are centered in ethical and socially responsible relationships, and cultivate the entrepreneurial spirit that provides career choices and encourages life-long learning.

Description:
The Bachelor of Applied Science (BAS) in Supervision and Management Program prepares individuals for supervisory and management roles and positions. Associate degree programs have prepared these individuals to enter the job market at entry-level or mid-level positions. Upper-level coursework in the BAS program broadens their knowledge in applied management practices and prepares them for supervisory and management opportunities within their technical field. The Bachelor of Applied Science (BAS) Program uses a 2+2 model requiring the completion of an associate degree or 60 transferable credits from a 4-year college or university for entry into the program.

Outcomes:
Graduates of the program will be able to:
1. Generate oral and/or written communications that integrates decision making and analytical thinking skills.
2. Demonstrate a knowledge of and commitment to quality improvement and optimal operational systems, processes and procedures.
3. Evaluate legal situations in management, including regulatory and liability issues.
4. Apply ethical decision-making processes and social responsibility to management situations.
5. Evaluate financial reporting and analysis to include budget preparation and monitoring; as well as financial policies and procedures.
6. Synthesize modern, effective and efficient management and behavioral principles for supervising and managing resources.
7. Manage a project from inception to successful conclusion and evaluation.
8. Diagram the strategic planning process to include development of an organizational mission statement with measurable goals, objectives and activities.
9. Formulate effective customer relations technique and application, including the use of mixed media to promote an organization internally and externally.
10. Correlate and apply leadership principles to include human relations skills, appreciation for diversity, cultural awareness, generational difference awareness, technological effects on society, and organizational behavior.
11. Compare methods and implementation techniques for staff development programs that are consistent with community, industry and organizational standards, policies and procedures.
12. Apply team work processes and practices by collaborating to accomplish a management related task.
13. Initiate critical thinking, problem solving and communication skills by completing an industry-specific capstone project.
14. Integrate current management concepts, trends, and issues into operational and strategic decisions.
15. Operationalize appropriate management information systems for managerial decision making.

16. Demonstrate the ability to analyze and initiate appropriate decisions regarding human resource issues.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Approximately $125 for Writers' Workbench, a writing software program (access is required of all students in the program). The BAS Club has a program whereby with membership ($20) and a committment to two community projects per year, members can rent their textbooks for $25 per book per semester.

Additional Admission Requirements

- General Education Core - The state-mandated 36 hours of general education (Communications-9 sch; Math-6 sch; Science-6 sch; Humanities-3 sch; Behavioral and Human (Social) Science-3 sch; Health & Wellness-3 sch; Political, Economic & Business-3 sch; Historical and Global-3 sch.

- Typically, graduates of A.S. degree programs transfer 15-18 credits of General Education Core. A.A. graduates will typically transfer the total 36 general education core requirements into the BAS program. A.A. graduates will also require 18 hours in an occupational/technical area, or other single area approved by the department chair (e.g., accounting technology, computer science, business, modern languages, math, etc.) in lieu of the additional general education required of the A.S. student.

Careers

Management and supervisory careers

General Education Courses

Course	Title		
... ...	**Associate Degree Program of Study Credit**	42.00	
... ...	**General Education Core Requirements Credit**	36.00	
... ...	**BAS Program of Study Credit**	42.00	
TOTAL	...	**120.00**	

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
GEB3213*3*	Business Writing	3.00	*Pre-Reqs: ENC1101*
MAN3353	Management Theory and Practices	3.00	*Co-Reqs: GEB3213*
MAN3240	Organizational Behavior	3.00	*Co-Reqs: GEB3213*
BUL3130	Legal, Ethical, and Social Aspects of Business	3.00	*Co-Reqs: GEB3213*
ACG3024	Accounting for Non-Financial Majors	3.00	*Co-Reqs: GEB3213*
MAN4162	Customer Relations for Managers	3.00	*Co-Reqs: GEB3213*
MAN4301	Human Resource Management	3.00	*Co-Reqs: GEB3213*
ISM4011*4*	Introduction to Management Information Systems	4.00	*Co-Reqs: GEB3213 Pre-Reqs: ISM2000*
MAN4120	Leadership Challenges and Supervision	3.00	*Co-Reqs: GEB3213*
GEB4891	Strategic Management and Decision Making	4.00	*Co-Reqs: GEB3213*
GEB4930	Selected Topics in Management	3.00	*Co-Reqs: GEB3213*
MAN4504	Operational Decision Making	3.00	*Co-Reqs: GEB3213*
MAN4900*5*	Capstone Project in Supervision and Management	4.00	*Co-Reqs: GEB3213*

Sample Program of Study

Course	Title		
... ...	**FIRST SEMESTER**	SEM HRS	
GEB3213*3*	Business Writing	3.00	*Pre-Reqs: ENC1101*
MAN3353*1*	Management Theory and Practices	3.00	*Co-Reqs: GEB3213*
MAN3240*1*	Organizational Behavior	3.00	*Co-Reqs: GEB3213*
... ...	**General Education Core**	3.00	
... ...	**General Education Core**	3.00	
TOTAL	Semester Credit Hours	**15.00**	
... ...	**SECOND SEMESTER**	SEM HRS	
BUL3130*1*	Legal, Ethical, and Social Aspects of Business	3.00	*Co-Reqs: GEB3213*
ACG3024*1*	Accounting for Non-Financial Majors	3.00	*Co-Reqs: GEB3213*
... ...	**General Education Core**	3.00	
... ...	**General Education Core**	3.00	
TOTAL	Semester Credit Hours	**12.00**	
... ...	**THIRD SEMESTER**	SEM HRS	
MAN4162*1*	Customer Relations for Managers	3.00	*Co-Reqs: GEB3213*
MAN4301*1*	Human Resource Management	3.00	*Co-Reqs: GEB3213*

ISM4011 4	Introduction to Management Information Systems	4.00	*Co-Reqs: GEB3213 Pre-Reqs: ISM2000*
... ...	**General Education Core**	3.00	
... ...	**General Education Core**	3.00	
TOTAL	Semester Credit Hours	**16.00**	
... ...	**FOURTH SEMESTER**		
		SEM HRS	
MAN4120 2	Leadership Challenges and Supervision	3.00	*Co-Reqs: GEB3213*
GEB4891 2	Strategic Management and Decision Making	4.00	*Co-Reqs: GEB3213*
GEB4930 2	Selected Topics in Management	3.00	*Co-Reqs: GEB3213*
MAN4504 2	Operational Decision Making	3.00	*Co-Reqs: GEB3213*
... ...	**FIFTH SEMESTER**		
TOTAL	Semester Credit Hours	**13.00**	
		SEM HRS	
MAN4900 5	Capstone Project in Supervision and Management	4.00	*Co-Reqs: GEB3213*
TOTAL	Semester Credit Hours	**4.00**	
... ...	**TOTAL CREDIT HOURS**	60.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1 Junior status or permission of the Chair

2 Senior status or permission of the Chair

3 GEB3213 is the first course in the BAS program and is a prerequisite to every other course in the program, or a co-requisite to other first semester courses.

4 Requires ISM2000 or CGS2100 or equivalent or permission of the Chair

5 MAN4900, the Capstone course, is the final course in the program. Permission of the chair is required.

Bachelor of Science in Education - Elementary Education

Program Mission, Description, and Outcomes

Mission:

The Bachelor of Science in Elementary Education will provide ESOL and Reading infused instructional programs that will produce highly qualified, State certified teachers ready for entry in a K-6 environment. The fundamentals of the program embrace diversity, promote ethics in education, focus on student excellence and enhance teaching and learning through innovative instructional practices.

Description:

This State of Florida approved program fulfills the education courses, professional education competencies, and practical experience required to obtain a five-year Professional Educator's Certificate in Elementary Education. The program includes endorsements for Reading and ESOL.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate mastery of the Florida Educator Accomplished Practices (FEAP) and Professional Education Competencies (PEC).
2. Demonstrate mastery of the English for Speakers of Other Languages (ESOL) Performance Standards and Subject Area Competencies and Skills for ESOL.
3. Demonstrate mastery of Reading Competencies 1-6.
4. Demonstrate mastery of the Subject Area Competencies (SAC) and Skills for Teacher Certification in Elementary Education K-6.

5. Attain additional Uniform Core Curriculum content.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Conferred Associate of Arts degree from a regionally accredited institution.

2. Cumulative GPA of 2.5 in all higher education classes.

3. Satisfactory completion of the General Knowledge (GK) Test portion of the Florida Teacher Certification Examination. Click here for more information or to register for the exam.

4. Volusia County Schools Volunteer clearance. Go to www.daytonastate.edu/education under the Admissions Requirements Section to obtain the Volusia County Schools Application to Volunteer. Follow the steps on our website for completion and submission instructions. For a list of disqualifying offenses view Florida Statute 1012.315.

5. Bachelor of Science in Education Program application.

6. Grade of "C" or higher in the following pre-requisite classes: EDF1005, EDF2085, EME2040.

NOTES:

1. Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355) in their first semester of enrollment.

2. Students who have not taken two years of the same foreign language in high school, will need to complete two semesters or 8 credit hours of the same foreign language at the college level to meet the state foreign language requirement to graduate.

3. Students must also complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Sciences - 6 hrs; Humanities, Cultural and Aesthetic - 3 hrs; Behavioral and Social Sciences - 3 hrs; Health and Wellness - 3 hrs; Political, Economic and Business - 3 hrs; Historical and Global - 3 hrs.

General Education Courses

Course	Title	
... ...	**AA Degree Program of Study**	60.00
... ...	**BSED Program Core Credits**	60.00
TOTAL	...	**120.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college

Program Specific Courses

Course	Title	SEM HRS	
TSL3080*1*	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
LAE3414	Children's Literature	3.00	
RED3309	Early and Emergent Reading K-2	3.00	
SCE3310*1*	Teaching Science in the Elementary School	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
TSL4081	ESOL Issues and Strategies II	3.00	*Pre-Reqs: TSL3080*
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
EDE4223	Integrated Art, Music and Movement	3.00	*Pre-Reqs: EDG4323*
RED4519*1*	Diagnosis, Intervention in Reading	3.00	*Pre-Reqs: RED3309 OR RED3012*
LAE4314	Teaching Language Arts	3.00	*Pre-Reqs: RED3309 OR LAE3414*
SSE3312*1*	Teaching Social Studies	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND TSL3080*
RED4511	Intermediate Literacy, Reading and Thinking	3.00	*Pre-Reqs: RED3309*
EEX4070	Teaching Exceptional Students	3.00	*Pre-Reqs: TSL3080 AND EDF4430*
MAE4326	How Children Learn Mathematics	3.00	*Pre-Reqs: TSL3080 AND MAE2801 AND EDF4430 AND EDG4323*
RED4844	Reading Practicum	2.00	*Pre-Reqs: RED4519 AND TSL3080*
EDE4943	Student Internship	10.00	
ESE4945	Internship Seminar	3.00	
TOTAL	**Total Hours**	**60.00**	

Sample Program of Study

Course	Title	SEM HRS	
... ...*2*	**The first two years are only recommendations for entry into the program.**		
... ...	**Year I**		
... ...	**Semester I**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
PSC1121	Physical Science	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106*
EDF1005*3*	Introduction to the Teaching Profession	3.00	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
... ...	**Year I**		
... ...	**Semester II**		
... ...	**Math or Science Core**	3.00	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
ECO2013	Principles of Macro Economics **OR**		*Co-Reqs: ENC1101*
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
EDF2085*3*	Introduction to Diversity for Educators	3.00	
... ...	**Year II**		
... ...	**Semester I**		
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
REL2300	World Religion **OR**		*Pre-Reqs: ENC1101*
WOH2012	World History Before 1500 **OR**		*Pre-Reqs: ENC1101*
WOH2022	World History After 1500	3.00	*Pre-Reqs: ENC1101*
BSC1010	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs:*

		SEM HRS	
BSC1010L	General Biology I (For Science Majors) Lab	1.00	*BSC1010L* *Conc-Reqs: BSC1010*
EDP2002	Educational Psychology	3.00	
PET2084	Personal Health and Wellness	3.00	

... ...	**Year II**		
... ...	**Semester II**		

		SEM HRS	
POS2041	American Federal Government	3.00	*Co-Reqs: ENC1101*
MUL1010	Music Appreciation **OR**		*Co-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
MAE2801*4*	Elementary School Mathematics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
EME2040*3*	Introduction to Education Technology	3.00	
... ...	**Elective**	2.00	

... ...*5*	**Apply for Admission to BS Program**		
... ...	**Year III**		
... ...	**Semester I**		

		SEM HRS	
TSL3080*1*	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
LAE3414	Children's Literature	3.00	
RED3309	Early and Emergent Reading K-2	3.00	

... ...	**Year III**		
... ...	**Semester II**		

		SEM HRS	
SCE3310*1*	Teaching Science in the Elementary School	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
TSL4081	ESOL Issues and Strategies II	3.00	*Pre-Reqs: TSL3080*
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
EDE4223	Integrated Art, Music and Movement	3.00	*Pre-Reqs: EDG4323*
RED4519*1*	Diagnosis, Intervention in Reading	3.00	*Pre-Reqs: RED3309 OR RED3012*
LAE4314	Teaching Language Arts	3.00	*Pre-Reqs: RED3309 OR LAE3414*

... ...	**Year IV**		
... ...	**Semester I**		

		SEM HRS	
SSE3312*1*	Teaching Social Studies	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND TSL3080*
RED4511	Intermediate Literacy, Reading and Thinking	3.00	*Pre-Reqs: RED3309*
EEX4070	Teaching Exceptional Students	3.00	*Pre-Reqs: TSL3080 AND EDF4430*
MAE4326	How Children Learn Mathematics	3.00	*Pre-Reqs: TSL3080 AND MAE2801 AND EDF4430 AND EDG4323*
RED4844*6*	Reading Practicum	2.00	*Pre-Reqs: RED4519 AND TSL3080*

... ...	**Year IV**		
... ...	**Semester II**		

		SEM HRS	
EDE4943*7*	Student Internship	10.00	
ESE4945*7*	Internship Seminar	3.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Denotes 15 week full term class, all other classes are 7 weeks.

2. The courses listed in the first two years of the Sample Program of Study are recommendations. The Bachelor of Science in Elementary Education is a 2+2 program and full admittance into the program will be granted upon completion of all prerequisite courses and additional admission requirements.

3. This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

4. MAE2801 is not a requirement for admission into the Elementary Education Program at Daytona State College; however, this course is a prerequisite to the Bachelor's level class, MAE4326. It is recommended that this class be taken as part of the AA degree coursework.

5. After completion of the first two years and receipt of AA degree, students must apply for admission into the Bachelor of Science in Elementary Education program and complete additional admission requirements. Additionally, students must earn a "C" or higher in all BS program courses and must maintain an overall GPA of 2.5 or higher throughout the duration of the program.

6. RED4844 is an intensive Reading Practicum that requires departmental consent prior to enrolling and is only offered in the B term of the spring and fall semesters .

7. Students are required to pass the Professional Education Test (PEd) and the Subject Area Exam (SAE) in Elementary Education K-6, in addition to completing all program courses to be eligible for enrollment in their Senior Internship. Depending upon the county of

internship, students may need to be fingerprinted with a Level 2 background check, and/or may also need to complete a drug screening.

Bachelor of Science in Education - Exceptional Education

Program Information

BS Degree - Code 6222 - Catalog 2012/2013
Les Potter, Chair, Education, 386-506-3528, potterl@daytonastate.edu
Kristy Presswood, AVP, Education, 386-506-3822, presswk@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The Bachelor of Science in Exceptional Student Education will provide ESOL and Reading infused instructional programs that will produce highly qualified, State certified teachers ready for entry in a K-12 environment. The fundamentals of the program embrace diversity, promote ethics in education, focus on student excellence and enhance teaching and learning through innovative instructional practices.

Description:
This State of Florida approved program fulfills the education courses, professional education competencies, and practical experience required to obtain a five-year Professional Educator's Certificate in Exceptional Student Education. The program includes endorsements for Reading and ESOL.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate mastery of the Florida Educator Accomplished Practices (FEAP) and Professional Education Competencies (PEC).
2. Demonstrate mastery of the English for Speakers of Other Languages (ESOL) Performance Standards and Subject Area Competencies and Skills for ESOL.
3. Demonstrate mastery of Reading Competencies 1-6.
4. Demonstrate mastery of the Subject Area Competencies (SAC) and Skills for Teacher Certification in Exceptional Student Education K-12.
5. Attain additional Uniform Core Curriculum content.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Conferred Associate of Arts degree from a regionally accredited institution.

2. Cumulative GPA of 2.5 in all higher education classes.

3. Satisfactory completion of the General Knowledge (GK) Test portion of the Florida Teacher Certification Examination. Click here for more information or to register for the exam.

4. Volusia County Schools Volunteer clearance. Go to www.daytonastate.edu/education under the Admissions Requirements Section to obtain the Volusia County Schools Application to Volunteer. Follow the steps on our website for completion and submission instructions. For a list of disqualifying offenses view Florida Statute 1012.315.

5. Bachelor of Science in Education Program application.

6. Grade of "C" or higher in the following pre-requisite classes: EDF1005, EDF2085, EME2040.

NOTES:

1. Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355) in their first semester of enrollment.

2. Students who have not taken two years of the same foreign language in high school, will need to complete two semesters or 8 credit hours of the same foreign language at the college level to meet the state foreign language requirement to graduate.

3. Students must also complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Sciences - 6 hrs; Humanities, Cultural and Aesthetic - 3 hrs; Behavioral and Social Sciences - 3 hrs; Health and Wellness - 3 hrs; Political, Economic and Business - 3 hrs; Historical and Global - 3 hrs.

General Education Courses

Course	Title	
... ...	**AA Degree Program of Study**	60.00
... ...	**BSED Program Core Credits**	60.00
TOTAL	...	**120.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
TSL3080*1*	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
EEX3280	Career/Vocational Assessment and Planning	2.00	
RED3309	Early and Emergent Reading K-2	3.00	
SCE3310*1*	Teaching Science in the Elementary School	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
TSL4081	ESOL Issues and Strategies II	3.00	*Pre-Reqs: TSL3080*
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
EEX3240	Organization, Curriculum Theory and Instructional Strategies	2.00	
LAE4314	Teaching Language Arts	3.00	*Pre-Reqs: RED3309 OR LAE3414*
RED4519*1*	Diagnosis, Intervention in Reading	3.00	*Pre-Reqs: RED3309 OR RED3012*
SSE3312*1*	Teaching Social Studies	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND TSL3080*
RED4511	Intermediate Literacy, Reading and Thinking	3.00	*Pre-Reqs: RED3309*
EEX4601	Behavior Management	3.00	*Pre-Reqs: TSL3080*
MAE4326	How Children Learn Mathematics	3.00	*Pre-Reqs: TSL3080 AND MAE2801 AND EDF4430 AND EDG4323*
EEX4221	Assessment of Exceptional Education Students	3.00	*Pre-Reqs: EDF4430*
RED4844	Reading Practicum	2.00	*Pre-Reqs: RED4519 AND TSL3080*
EEX4943	Student Externship	9.00	
ESE4945	Internship Seminar	3.00	
TOTAL	Total Hours	**60.00**	

Sample Program of Study

Course	Title	SEM HRS	
... ...*2*	**The first two years are only recommendations for entry into program.**		
... ...	**Year I**		
... ...	**Semester I**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
PSC1121	Physical Science	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
EDF1005*3*	Introduction to the Teaching Profession	3.00	
... ...	**Year I**		
... ...	**Semester II**		
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
... ...	**Math or Science Core**	3.00	
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
ECO2013	Principles of Macro Economics **OR**		*Co-Reqs: ENC1101*
EDF2085*3*	Introduction to Diversity for Educators	3.00	
... ...	**Year II**		
... ...	**Semester I**		
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

WOH2012	World History Before 1500 **OR**		*Pre-Reqs: ENC1101*
REL2300	World Religion **OR**		*Pre-Reqs: ENC1101*
WOH2022	World History After 1500	3.00	*Pre-Reqs: ENC1101*
BSC1010	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
PET2084	Personal Health and Wellness	3.00	
EDP2002	Educational Psychology	3.00	

... ...	**Year II**		
... ...	**Semester II**		
		SEM HRS	
POS2041	American Federal Government	3.00	*Co-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation **OR**		*Co-Reqs: ENC1101*
MUL1010	Music Appreciation **OR**		*Co-Reqs: ENC1101*
MAE2801	Elementary School Mathematics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
EME2040	Introduction to Education Technology	3.00	
... ...	**Elective**	2.00	

... ...5	**Apply for Admission to BS Program**		
... ...	**Year III**		
... ...	**Semester I**		
		SEM HRS	
TSL3080	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
EEX3280	Career/Vocational Assessment and Planning	2.00	
RED3309	Early and Emergent Reading K-2	3.00	

... ...	**Year III**		
... ...	**Semester II**		
		SEM HRS	
SCE3310	Teaching Science in the Elementary School	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
TSL4081	ESOL Issues and Strategies II	3.00	*Pre-Reqs: TSL3080*
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
EEX3240	Organization, Curriculum Theory and Instructional Strategies	2.00	
LAE4314	Teaching Language Arts	3.00	*Pre-Reqs: RED3309 OR LAE3414*
RED4519	Diagnosis, Intervention in Reading	3.00	*Pre-Reqs: RED3309 OR RED3012*

... ...	**Year IV**		
... ...	**Semester I**		
		SEM HRS	
SSE3312	Teaching Social Studies	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND TSL3080*
RED4511	Intermediate Literacy, Reading and Thinking	3.00	*Pre-Reqs: RED3309*
EEX4601	Behavior Management	3.00	*Pre-Reqs: TSL3080*
MAE4326	How Children Learn Mathematics	3.00	*Pre-Reqs: TSL3080 AND MAE2801 AND EDF4430 AND EDG4323*
EEX4221	Assessment of Exceptional Education Students	3.00	*Pre-Reqs: EDF4430*
RED4844	Reading Practicum	2.00	*Pre-Reqs: RED4519 AND TSL3080*

... ...	**Year IV**		
... ...	**Semester II**		
		SEM HRS	
EEX4943	Student Externship	9.00	
ESE4945	Internship Seminar	3.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Denotes 15 week full term class, all other classes are 7 weeks.

2. The courses listed in the first two years of the Sample Program of Study are recommendations. The Bachelor of Science in Exceptional Student Education is a 2+2 program and full admittance into the program will be granted upon completion of all prerequisite courses and additional admission requirements.

3. This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

4. MAE2801 is not a requirement for admission into the Exceptional Student Education Program at Daytona State College; however, this course is a prerequisite to the Bachelor's level class, MAE4326. It is recommended that this class be taken as part of the AA degree coursework.

5. After completion of the first two years and receipt of AA degree, students must apply for admission into the Bachelor of Science in Exceptional Student Education program and complete additional admission requirements. Additionally, students must earn a "C" or higher in all BS program courses and must maintain an overall GPA of 2.5 or higher throughout the duration of the program.

6. RED4844 is an intensive Reading Practicum that requires departmental consent prior to enrolling and is only offered in the B term of the spring and fall semesters .

7. Students are required to pass the Professional Education Test (PEd) and the Subject Area Exam (SAE) in Exceptional Student Education K-12, in addition to completing all program courses to be eligible for enrollment in their Senior Internship. Depending upon the county of internship, students may need to be fingerprinted with a Level 2 background check, and/or may also need to complete a drug screening.

Bachelor of Science in Education - Secondary Biology Education

Program Information

BS Degree - Code 6224 - Catalog 2012/2013

Les Potter, Chair, Education, 386-506-3528, potterl@daytonastate.edu
Kristy Presswood, AVP, Education, 386-506-3822, presswk@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Bachelor of Science in Secondary Biology Education will provide instructional programs that will produce highly qualified, State certified teachers ready for entry in a 6-12 environment. The fundamentals of the program embrace diversity, promote ethics in education, focus on student excellence and enhance teaching and learning through innovative instructional practices.

Description:

This State of Florida approved program fulfills the education courses, professional education competencies, and practical experience required to obtain a five-year Professional Educator's Certificate in Biology Education.

Outcomes:

Graduates of the program will be able:

1. Demonstrate mastery of the Florida Educator Accomplished Practices (FEAP) and Professional Education Competencies (PEC).
2. Demonstrate mastery of Reading Competencies 1-2.
3. Demonstrate mastery of the Subject Area Competencies (SAC) and Skills for Teacher Certification in Biology Education 6-12.
4. Attain additional Uniform Core Curriculum content.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Conferred Associate of Arts degree from a regionally accredited institution.

2. Cumulative GPA of 2.5 in all higher education classes.

3. Satisfactory completion of the General Knowledge (GK) Test portion of the Florida Teacher Certification Examination. Click here for more information or to register for the exam.

4. Volusia County Schools Volunteer clearance. Go to www.daytonastate.edu/education under the Admissions Requirements Section to obtain the Volusia County Schools Application to Volunteer. Follow the steps on our website for completion and submission instructions. For a list of disqualifying offenses view Florida Statute 1012.315.

5. Bachelor of Science in Education Program application.

6. Grade of "C" or higher in the following pre-requisite classes: EDF1005, EDF2085, EME2040, MAC2311/L (4 credits), BSC1010/L (4 credits), BSC1011/L (4 credits) and one of the following: CHM1045/L (4 credits), PHY1053/L (4 credits) or PHY2048/L (4 credits).

NOTES:

1. Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355) in their first semester of enrollment.

2. Students who have not taken two years of the same foreign language in high school, will need to complete two semesters or 8 credit hours of the same foreign language at the college level to meet the state foreign language requirement to graduate.

3. Students must also complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Sciences - 6 hrs; Humanities, Cultural and Aesthetic - 3 hrs; Behavioral and Social Sciences - 3 hrs; Health and Wellness - 3 hrs; Political, Economic and Business - 3 hrs; Historical and Global - 3 hrs.

General Education Courses

Course	Title	
... ...	**AA Degree Program of Study**	60.00
... ...	**BSED Program Core Credits**	60.00
TOTAL	...	**120.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
TSL3080[1]	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
PCB3060	Introduction to Genetics	3.00	*Pre-Reqs: BSC1011L AND BSC1011 AND CHM1046 AND MAC1105 AND CHM1046L*
EDF3214	Child/Adolescent Development and Learning	3.00	
PCB3034	General Ecology	3.00	*Pre-Reqs: BSC1011 Conc-Reqs: PCB3034L*
PCB3034L	General Ecology Lab	1.00	*Conc-Reqs: PCB3034*
OCB2000	Introduction to Marine Biology	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2107 OR STA2023 OR MGF2106 Conc-Reqs: OCB2000L*
OCB2000L	Introduction to Marine Biology Lab	1.00	*Conc-Reqs: OCB2000*
BOT1010L	General Botany Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010*
BOT1010	General Botany	3.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010L*
EME3434	Integrating Technology into Math and Science	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND EME2040*
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	*Pre-Reqs: EDF3214 AND TSL3080 AND EDG4323*
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
PCB3203	Cell Physiology	3.00	*Pre-Reqs: BSC1085*
SCE4360	Science Instructional Analysis	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
BOT3151	Flora of Central Florida	3.00	*Pre-Reqs: BSC1010 AND BOT1010*
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	*Pre-Reqs: TSL3080 AND EDF4430*
ESE4943	Student Internship	9.00	
ESE4945	Internship Seminar	3.00	
TOTAL	Total Hours	**60.00**	

Sample Program of Study

Course	Title		
... ...[2]	**The first two years are only recommendations for entry into program.**		
... ...	**Year I**		
... ...	**Semester I**	SEM HRS	

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
BSC1010[3]	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L[3]	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
EDF1005[3]	Introduction to the Teaching Profession	3.00	

... ...	**Year I**		
... ...	**Semester II**	SEM HRS	

Course	Title	SEM HRS	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
BSC1011[3]	General Biology II (For Science Majors)	3.00	*Pre-Reqs: BSC1010 OR BSC1010C Conc-Reqs: BSC1011L*
BSC1011L[3]	General Biology II (For Science Majors) Lab	1.00	*Pre-Reqs: BSC1010C OR BSC1010 Conc-Reqs: BSC1011*
PET2084	Personal Health and Wellness **OR**		
MAC1114	College Trigonometry	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
HUN1201	Human Nutrition	3.00	
ARH1000	Art Appreciation **OR**		*Co-Reqs: ENC1101*
MUL1010	Music Appreciation **OR**		*Co-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*

... ...	**Year II**		
... ...	**Semester I**		

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
CHM1045*3*	General College Chemistry I	3.00	*Co-Reqs: ENC1101 AND MAC1105 OR MAP2302 OR MAC1114 OR MAC2312 OR STA2023 OR MAC1140 OR MAC2311 OR MAC2313 OR MAC2233 Pre-Reqs: CHM1025 Conc-Reqs: CHM1045L*
CHM1045L*3*	General College Chemistry I Lab	1.00	*Conc-Reqs: CHM1045*
... ...	**Math Elective: MAC1140**	1.00	
REL2300	World Religion **OR**		*Pre-Reqs: ENC1101*
WOH2012	World History Before 1500 **OR**		*Pre-Reqs: ENC1101*
WOH2022	World History After 1500	3.00	*Pre-Reqs: ENC1101*
EME2040*3*	Introduction to Education Technology	3.00	

... ...	**Year II**		
... ...	**Semester II**		

		SEM HRS	
ECO2013	Principles of Macro Economics **OR**		*Co-Reqs: ENC1101*
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
CHM1046*4*	General College Chemistry II	3.00	*Pre-Reqs: CHM1045 OR CHM1045C Conc-Reqs: CHM1046L*
CHM1046L*4*	General College Chemistry II Lab	1.00	*Pre-Reqs: CHM1045C OR CHM1045 Conc-Reqs: CHM1046*
MAC2311*3*	Calculus I	3.00	*Pre-Reqs: MAC1140 AND MAC1114 Conc-Reqs: MAC2311L*
MAC2311L*3*	Calculus I Lab	1.00	*Conc-Reqs: MAC2311*
EDF2085*3*	Introduction to Diversity for Educators	3.00	

... ...*5*	**Apply for Admission to BS Program**		
... ...	**Year III**		
... ...	**Semester I**		

		SEM HRS	
TSL3080*1*	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
EDF3214	Child/Adolescent Development and Learning	3.00	
PCB3034	General Ecology	3.00	*Pre-Reqs: BSC1011 Conc-Reqs: PCB3034L*
PCB3034L	General Ecology Lab		*Conc-Reqs: PCB3034*

... ...	**Year III**		
... ...	**Semester II**		

		SEM HRS	
PCB3060	Introduction to Genetics	3.00	*Pre-Reqs: BSC1011L AND BSC1011 AND CHM1046 AND MAC1105 AND CHM1046L*
OCB2000	Introduction to Marine Biology	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2107 OR STA2023 OR MGF2106 Conc-Reqs: OCB2000L*
OCB2000L	Introduction to Marine Biology Lab	1.00	*Conc-Reqs: OCB2000*

		SEM HRS	
BOT1010	General Botany	3.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010L*
BOT1010L	General Botany Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010*
EME3434	Integrating Technology into Math and Science	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND EME2040*
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	*Pre-Reqs: EDF3214 AND TSL3080 AND EDG4323*

... ...	**Year IV**		
... ...	**Semester I**		

		SEM HRS	
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
PCB3203	Cell Physiology	3.00	*Pre-Reqs: BSC1085*
SCE4360	Science Instructional Analysis	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
BOT3151	Flora of Central Florida	3.00	*Pre-Reqs: BSC1010 AND BOT1010*
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	*Pre-Reqs: TSL3080 AND EDF4430*

... ...	**Year IV**	
... ...	**Semester II**	
		SEM HRS
ESE4943*6*	Student Internship	9.00
ESE4945*6*	Internship Seminar	3.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. TSL3080 is a full term 15 week class.

2. The courses listed in the first two years of the Sample Program of Study are recommendations. The Bachelor of Science in Secondary Biology Education is a 2+2 program and full admittance into the program cannot be granted until the completion of all prerequisite courses and special admission requirements.

3. This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

4. CHM1046/CHM1046L are not requirements for admission into the Secondary Biology Education program at Daytona State College; however, these courses are prerequisites to Bachelor's level courses in this program. It is recommended these classes be taken as part of the AA degree coursework.

5. After completion of the first two years and receipt of AA degree, students must apply for admission into the Bachelor of Science in Biology Education program and complete all other admission requirements. Additionally, students must earn a "C" or higher in all BS program courses and maintain a 2.5 GPA or higher throughout the duration of the program.

6. ESE4945 and ESE4943 (Student Internship/Seminar) are full term classes. Students are required to have passed the Professional Education Test (PEd) and their Subject Area Exam (SAE) in Biology Education 6-12, in addition to completing all program courses prior to being eligible to enroll in their last semester of student teaching. Depending upon county of internship, students may need to be fingerprinted with a Level 2 background check, and/or may also need to complete a drug screening.

Bachelor of Science in Education - Secondary Earth/Space Science Education

Program Information

BS Degree - Code 6227 - Catalog 2012/2013
Les Potter, Chair, Education, 386-506-3528, potterl@daytonastate.edu
Kristy Presswood, AVP, Education, 386-506-3822, presswk@daytonastate.edu

03/30/2012 M - 1096

Program Mission, Description, and Outcomes

Mission:
The Bachelor of Science in Secondary Earth/Space Science Education will provide instructional programs that will produce highly qualified, State certified teachers ready for entry in a 6-12 environment. The fundamentals of the program embrace diversity, promote ethics in education, focus on student excellence and enhance teaching and learning through innovative instructional practices.

Description:
This State of Florida approved program fulfills the education courses, professional education competencies, and practical experience required to obtain a five-year Professional Educator's Certificate in Earth/Space Science Education.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate mastery of the Florida Educator Accomplished Practices (FEAP) and Professional Education Competencies (PEC).
2. Demonstrate mastery of Reading Competencies 1-2.
3. Demonstrate mastery of the Subject Area Competencies (SAC) and Skills for Teacher Certification in Earth/Space Science Education 6-12.
4. Attain additional Uniform Core Curriculum content.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Conferred Associate of Arts degree from a regionally accredited institution.

2. Cumulative GPA of 2.5 in all higher education classes.

3. Satisfactory completion of the General Knowledge (GK) Test portion of the Florida Teacher Certification Examination. Click here for more information or to register for the exam.

4. Volusia County Schools Volunteer clearance. Go to www.daytonastate.edu/education under the Admissions Requirements Section to obtain the Volusia County Schools Application to Volunteer. Follow the steps on our website for completion and submission instructions. For a list of disqualifying offenses view Florida Statute 1012.315.

5. Bachelor of Science in Education Program application.

6. Grade of "C" or higher in the following pre-requisite classes: EDF1005, EDF2085, EME2040, MAC2311/L (4 credits), OCE1001, GLY2010/L (4 credits) and one of the following combinations: BSC1010/L and BSC1011/L, or CHM1045/L and CHM1046/L, or PHY2048/L and PHY2049/L.

NOTES:

1. Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355) in their first semester of enrollment.

2. Students who have not taken two years of the same foreign language in high school, will need to complete two semesters or 8 credit hours of the same foreign language at the college level to meet the state foreign language requirement to graduate.

3. Students must also complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Sciences - 6 hrs; Humanities, Cultural and Aesthetic - 3 hrs; Behavioral and Social Sciences - 3 hrs; Health and Wellness - 3 hrs; Political, Economic and Business - 3 hrs; Historical and Global - 3 hrs.

General Education Courses

Course	Title	
... ...	**AA Degree Program of Study**	60.00
... ...	**BSED Program Core Credits**	60.00
TOTAL	...	**120.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college

Page 268 of 788

Program Specific Courses

Course	Title	SEM HRS	
TSL3080*1*	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
EDF3214	Child/Adolescent Development and Learning	3.00	
PCB3034	General Ecology	3.00	*Pre-Reqs: BSC1011 Conc-Reqs: PCB3034L*
PCB3034L	General Ecology Lab	1.00	*Conc-Reqs: PCB3034*
MET2010	Meteorology	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MAC2311 OR MGF2106*
BOT1010	General Botany	3.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010L*
BOT1010L	General Botany Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010*
OCE3014	Oceanography: Coastal Ocean Studies in Biogeochemistry	3.00	*Pre-Reqs: CHM1045L AND CHM1045 AND MAT1033 AND OCE1001 Conc-Reqs: OCE3014L*
OCE3014L	Oceanography: Coastal Ocean Studies in Biogeochemistry Lab	1.00	*Conc-Reqs: OCE3014*
EME3434	Integrating Technology into Math and Science	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND EME2040*
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	*Pre-Reqs: EDF3214 AND TSL3080 AND EDG4323*
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
GLY2100	Historical Geology	3.00	*Pre-Reqs: GLY2010 AND GLY2010L*
SCE4360	Science Instructional Analysis	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
BOT3151	Flora of Central Florida	3.00	*Pre-Reqs: BSC1010 AND BOT1010*
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	*Pre-Reqs: TSL3080 AND EDF4430*
ESE4943	Student Internship	9.00	
ESE4945	Internship Seminar	3.00	
TOTAL	Total Hours	**60.00**	

Sample Program of Study

Course	Title		

... ...*2*	**The first two years are only recommendations**		
... ...	**for entry into program**		
... ...	**Year I**		
... ...	**Semester I**		

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
BSC1010*3*	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L*3*	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
EDF1005*3*	Introduction to the Teaching Profession	3.00	

... ...	**Year I**		
... ...	**Semester II**		

		SEM HRS	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
BSC1011*3*	General Biology II (For Science Majors)	3.00	*Pre-Reqs: BSC1010 OR BSC1010C Conc-Reqs: BSC1011L*
BSC1011L*3*	General Biology II (For Science Majors) Lab	1.00	*Pre-Reqs: BSC1010C OR BSC1010 Conc-Reqs: BSC1011*
PET2084	Personal Health and Wellness **OR**		
HUN1201	Human Nutrition	3.00	
EDF2085*3*	Introduction to Diversity for Educators	3.00	
OCE1001*3*	Introduction to Oceanography	3.00	*Co-Reqs: ENC1101 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2106 OR MGF2107 Pre-Reqs: MAT1033*

		SEM HRS	
MAC2311L	Calculus I Lab	1.00	*Conc-Reqs: MAC2311*
MAC2311	Calculus I	3.00	*Pre-Reqs: MAC1140 AND MAC1114 Conc-Reqs: MAC2311L*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
GLY2010	Physical Geology	3.00	*Co-Reqs: ENC1101 OR MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 Pre-Reqs: MAT1033 Conc-Reqs: GLY2010L*
GLY2010L	Physical Geology Lab	1.00	*Conc-Reqs: GLY2010*
REL2300	World Religion **OR**		*Pre-Reqs: ENC1101*
WOH2012	World History Before 1500 **OR**		*Pre-Reqs: ENC1101*
WOH2022	World History After 1500	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation **OR**		*Co-Reqs: ENC1101*
MUL1010	Music Appreciation **OR**		*Co-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*

		SEM HRS	
CHM1045*4*	General College Chemistry I	3.00	*Co-Reqs: ENC1101 AND MAC1105 OR MAP2302 OR MAC1114 OR MAC2312 OR STA2023 OR MAC1140 OR MAC2311 OR MAC2313 OR MAC2233 Pre-Reqs: CHM1025 Conc-Reqs: CHM1045L*
EME2040*3*	Introduction to Education Technology	3.00	
ECO2013	Principles of Macro Economics **OR**		*Co-Reqs: ENC1101*
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
AST1002	Astronomy	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023*

... ...*5* **Apply for Admission to the BS Program**

		SEM HRS	
TSL3080*1*	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
EDF3214	Child/Adolescent Development and Learning	3.00	
PCB3034	General Ecology	3.00	*Pre-Reqs: BSC1011 Conc-Reqs: PCB3034L*
PCB3034L	General Ecology Lab	3.00	*Conc-Reqs: PCB3034*

		SEM HRS	
MET2010	Meteorology	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MAC2311 OR MGF2106*
BOT1010	General Botany	3.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010L*
BOT1010L	General Botany Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010*
EME3434	Integrating Technology into Math and Science	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND EME2040*
OCE3014	Oceanography: Coastal Ocean Studies in Biogeochemistry	3.00	*Pre-Reqs: CHM1045L AND CHM1045 AND MAT1033 AND OCE1001 Conc-Reqs: OCE3014L*
OCE3014L	Oceanography: Coastal Ocean Studies in Biogeochemistry Lab		*Conc-Reqs: OCE3014*

		SEM HRS	
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	*Pre-Reqs: EDF3214 AND TSL3080 AND EDG4323*

GLY2100	Historical Geology	3.00	*Pre-Reqs: GLY2010 AND GLY2010L*
SCE4360	Science Instructional Analysis	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
BOT3151	Flora of Central Florida	3.00	*Pre-Reqs: BSC1010 AND BOT1010*
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	*Pre-Reqs: TSL3080 AND EDF4430*

... ...	**Year IV**	
... ...	**Semester II**	
		SEM HRS
ESE4943₆	Student Internship	9.00
ESE4945₆	Internship Seminar	3.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. TSL3080 is a full term 15 week class.

2. The courses listed in the first two years of the Sample Program of Study are recommendations. The Bachelor of Science in Earth/Space Science Education is a 2+2 program and full admittance into the program will be granted upon completion of all prerequisite courses and additional admission requirements.

3. This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

4. CHM1045 in not a requirement for admission into the Secondary Earth/Space Science program; however, this class and the corresponding lab are prerequisites to the Bachelor's level course PCB3014. This class qualifies for one of the science combinations that can be used for admission into the Earth/Space Science program.

5. After completion of the first two years and receipt of AA degree, students must apply for admission into the Bachelor of Science in Earth/Space Science Education program and complete additional admission requirements. Additionally, students must earn a "C" or higher in all BS program courses and must maintain an overall GPA of 2.5 or higher throughout the duration of the program.

6. ESE4945 and ESE4943 (Student Intenship/Seminar) are full term classes. Students are required to pass the Professional Education Test (PEd) and the Subject Area Exam (SAE) in Earth/Space Science 6-12, in addition to completing all program courses to be eligible for enrollment in their Senior Internship. Depending upon the county of internship, students may need to be fingerprinted with a Level 2 background check, and/or may also need to complete a drug screening.

Bachelor of Science in Education - Secondary Mathematics Education

Program Information

BS Degree - Code 6223 - Catalog 2012/2013

Les Potter, Chair, Education, 386-506-3528, potterl@daytonastate.edu

Kristy Presswood, AVP, Education, 386-506-3822, presswk@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Bachelor of Science in Secondary Mathematics Education will provide instructional programs that will produce highly qualified, State certified teachers ready for entry in a 6-12 environment. The fundamentals of the program embrace diversity, promote ethics in education, focus on student excellence and enhance teaching and learning through innovative instructional practices.

Description:

This State of Florida approved program fulfills the education courses, professional education competencies, and practical experience required to obtain a five-year Professional Educator's Certificate in Mathematics Education.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate mastery of the Florida Educator Accomplished Practices (FEAP) and Professional Education Competencies (PEC).
2. Demonstrate mastery of Reading Competencies 1-2.
3. Demonstrate mastery of the Subject Area Competencies (SAC) and Skills for Teacher Certification in Mathematics Education 6-12.
4. Attain additional Uniform Core Curriculum content.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Conferred Associate of Arts degree from a regionally accredited institution.

2. Cumulative GPA of 2.5 in all higher education classes.

3. Satisfactory completion of the General Knowledge (GK) Test portion of the Florida Teacher Certification Examination. Click here for more information or to register for the exam.

4. Volusia County Schools Volunteer clearance. Go to www.daytonastate.edu/education under the Admissions Requirements Section to obtain the Volusia County Schools Application to Volunteer. Follow the steps on our website for completion and submission instructions. For a list of disqualifying offenses view Florida Statute 1012.315.

5. Bachelor of Science in Education Program application.

6. Grade of "C" or higher in the following pre-requisite classes: EDF1005, EDF2085, EME2040, MAC2311/L (4 credits), MAC2312/L (4 credits) and an additional 4 credit math elective (MAS, MTG, or MAC).

NOTES:

1. Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355) in their first semester of enrollment.

2. Students who have not taken two years of the same foreign language in high school, will need to complete two semesters or 8 credit hours of the same foreign language at the college level to meet the state foreign language requirement to graduate.

3. Students must also complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Sciences - 6 hrs; Humanities, Cultural and Aesthetic - 3 hrs; Behavioral and Social Sciences - 3 hrs; Health and Wellness - 3 hrs; Political, Economic and Business - 3 hrs; Historical and Global - 3 hrs.

General Education Courses

Course	Title	
... ...	**AA Degree Program of Study**	60.00
... ...	**BSED Program Core Credits**	60.00
TOTAL	...	**120.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
TSL3080*1*	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
EDF3214	Child/Adolescent Development and Learning	3.00	
MAS3105	Linear Algebra	3.00	*Pre-Reqs: MAC2312 AND MAC2312L*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
MTG4212	Modern Geometry	3.00	*Pre-Reqs: MAC2312L AND MAC2312*
MAS4203	Number Theory	3.00	*Pre-Reqs: MAC2312 AND MAC2312L*
EME3434	Integrating Technology into Math and Science	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND EME2040*
STA4024	Statistics II	3.00	*Pre-Reqs: STA2023 AND MAC2312 AND MAC2311*
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	*Pre-Reqs: EDF3214 AND TSL3080 AND EDG4323*
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
MHF4404	History of Mathematics	3.00	*Pre-Reqs: MAC2311 AND MAC2311L*
MAE4360	Mathematics Instructional Analysis	3.00	*Pre-Reqs: EDF4430 AND EDG4323*
MAS3301	Abstract Algebra	3.00	*Pre-Reqs: MAS3105*
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	*Pre-Reqs: TSL3080 AND EDF4430*
ESE4943	Student Internship	9.00	
ESE4945	Internship Seminar	3.00	
TOTAL	**Total Hours**	**60.00**	

Sample Program of Study

Course	Title	SEM HRS	
... ...	**The first two years are only recommendations for entry into program**		
... ...*2*			
... ...	**Year I**		
... ...	**Semester I**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
WOH2012	World History Before 1500 **OR**		*Pre-Reqs: ENC1101*
WOH2022	World History After 1500 **OR**		*Pre-Reqs: ENC1101*
REL2300	World Religion	3.00	*Pre-Reqs: ENC1101*
EDF1005*3*	Introduction to the Teaching Profession	3.00	
BSC1010	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
... ...	**Year I**		
... ...	**Semester II**		
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
MAC1140*3*	Pre-Calculus Algebra	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
MAC1114*3*	College Trigonometry	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
SYG2000	Introduction to Sociology **OR**		*Pre-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
EDF2085*3*	Introduction to Diversity for Educators	3.00	
ECO2013	Principles of Macro Economics **OR**		*Co-Reqs: ENC1101*
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
... ...	**Year II**		
... ...	**Semester I**		
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
MAC2311*3*	Calculus I	3.00	*Pre-Reqs: MAC1140 AND MAC1114 Conc-Reqs: MAC2311L*

MAC2311L[3]	Calculus I Lab	1.00	*Conc-Reqs: MAC2311*
MUL1010	Music Appreciation **OR**		*Co-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II **OR**		*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
EME2040[3]	Introduction to Education Technology	3.00	

... ...	**Year II**		
... ...	**Semester II**		
		SEM HRS	
EEX2010	Introduction to Special Education	3.00	*Pre-Reqs: EDF1005*
MAC2312[3]	Calculus II	3.00	*Pre-Reqs: MAC2311 Conc-Reqs: MAC2312L*
MAC2312L[3]	Calculus II Lab	1.00	*Pre-Reqs: MAC2311 Conc-Reqs: MAC2312*
CHM1025	Introductory to Chemistry	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
HUN1201	Human Nutrition **OR**		
PET2084	Personal Health and Wellness	3.00	

... ...[4]	**Apply for Admission to BS Program**		
... ...	**Year III**		
... ...	**Semester I**		
		SEM HRS	
TSL3080[1]	ESOL Issues and Strategies I	3.00	
EDG4323	Professional Teaching Practices	3.00	
EDF4430	Classroom Assessment	3.00	
EDF3214	Child/Adolescent Development and Learning	3.00	
MAS3105	Linear Algebra	3.00	*Pre-Reqs: MAC2312 AND MAC2312L*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

... ...	**Year III**		
... ...	**Semester II**		
		SEM HRS	
MTG4212	Modern Geometry	3.00	*Pre-Reqs: MAC2312L AND MAC2312*
MAS4203	Number Theory	3.00	*Pre-Reqs: MAC2312 AND MAC2312L*
STA4024	Statistics II	3.00	*Pre-Reqs: STA2023 AND MAC2312 AND MAC2311*
EME3434	Integrating Technology into Math and Science	3.00	*Pre-Reqs: EDG4323 AND EDF4430 AND EME2040*
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	*Pre-Reqs: EDF3214 AND TSL3080 AND EDG4323*

... ...	**Year IV**		
... ...	**Semester I**		
		SEM HRS	
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	*Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430*
MHF4404	History of Mathematics	3.00	*Pre-Reqs: MAC2311 AND MAC2311L*
MAE4360	Mathematics Instructional Analysis	3.00	*Pre-Reqs: EDF4430 AND EDG4323*
MAS3301	Abstract Algebra	3.00	*Pre-Reqs: MAS3105*
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	*Pre-Reqs: TSL3080 AND EDF4430*

... ...	**Year IV**		
... ...	**Semester II**		
		SEM HRS	
ESE4943[5]	Student Internship	9.00	
ESE4945[5]	Internship Seminar	3.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

<u>**Notes**</u>
1. TSL3080 is a full term 15 week class.

2. The courses listed in the first two years of the Sample Program of Study are recommendations. The Bachelor of Science in Mathematics

Education is a 2+2 program and full admittance into the program will be granted upon completion of all prerequisite courses and additional admission requirements.

3. This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

4. After completion of the first two years and receipt of AA degree, students must apply for admission into the Bachelor of Science in Mathematics Education program and complete additional admission requirements. Additionally, students must earn a "C" or higher in all BS program courses and must maintain an overall GPA of 2.5 or higher throughout the duration of the program.

5. ESE4945 and ESE4943 (Student Internship/Seminar) are full term classes. Students are required to pass the Professional Education Test (PEd) and the Subject Area Exam (SAE) in Mathematics 6-12, in addition to completing all program courses to be eligible for enrollment in their Senior Internship. Depending upon the county of internship, students may need to be fingerprinted with a Level 2 background check, and/or may also need to complete a drug screening.

Bachelor of Science in Engineering Technology (BSET)

Program Information

BS Degree - Code 6331 - Catalog 2012/2013

Ronald Eaglin, AVP, College of Technology, 386-506-4176, eaglinr@daytonastate.edu
Anindya Paul, Chair, College of Technology, 386-506-4155, paula@DaytonaState.edu
Hazel Singh, 386-506-4138, singhh@daytonastate.edu

04/02/2012 M - 1120

Program Mission, Description, and Outcomes

Mission:
To continuously upgrade the Engineering Technology Program to meet industry needs; to maintain standards of excellence in program content and to remain competitive among educational institutions providing similar engineering technology programs, while successfully educating students to become qualified technical professionals in their chosen field.

Description:
The Bachelors of Science in Engineering Technology -Industrial Systems Program prepares graduates for technical positions in the expanding fields of industrial operations, mechanical design, and construction design. The program has a strong commitment to maintain standards of excellence in content and to continuously upgrade curriculum to meet industry needs.

The Bachelors of Science in Engineering Technology -Industrial Systems Program uses a 2 + 2 model requiring the completion of an associates degree for entry into the program. The degree components are shown below.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate appropriate mastery of the knowledge, techniques, skills, and modern tools of engineering technology.
2. Demonstrate ability to apply current knowledge and adapt to emerging applications and technology.
3. Demonstrate ability to conduct, analyze, and interpret experiments.
4. Apply creativity in the design of projects.
5. Demonstrate ability to function effectively on teams.
6. Demonstrate technical problem solving competencies.
7. Demonstrate written and oral communication competencies.
8. Recognize the need to engage in lifelong learning through formal and informal study.
9. Demonstrate understanding of professional, ethical, and social responsibilities.
10. Demonstrate respect for diversity, and a knowledge of contemporary professional, social and global issues.

11. Display commitment to quality, timeliness, and continuous improvement.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Applicants for the BSET program must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), or an Associate of Arts (AA) degree with an overall grade point average of 2.5 or greater.

2. Students with a grade point average between 2.0 and 2.49 may be admitted conditionally. AA graduates may be admitted to the program with the approval of the Chair of the BSET program. Those with AA degrees who have completed all core general education courses will be required to complete a total of 18 credits in appropriate technical prerequisite courses. AS/AAS graduates must complete additional core general education courses.

3. Students must have completed a class in College Algebra (MAC 1105) or equivalent with a grade of C or better for admission.

4. Students from AS or AAS degree programs transfer 15 to 18 credits of General Education Core. AA graduates will typically transfer the total 36 general education core requirements into the BS program. AA graduates will also require 18 hours of lower division credit in an occupational/technical area, e.g. Architectural Design/Construction Technology, Automotive Service Management Technology, Computer Integrated Manufacturer, Construction Electricity Management, Industrial Management Technology, and Telecommuications Engineering Technology.

5. General Education Core - The state mandated 36 hours of general education: Communications - 9 sch; Mathematics - 6 sch; Sciences - 6 sch; Humanities, Cultural & Aesthetic - 3 sch; Behavioral and Social Sciences - 3 sch; Health & Wellness - 3 sch; Political, Economic & Business - 3 sch; Historical and Global - 3 sch.

6. Applicants who have not earned an associate degree may be admitted to the BSET program if they have earned at least 60 BSET transferrable credits with a grade of "C" or better in all core general education courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval of the Chair.

7. Students must have completed two years of the same foreign language in high school or two semesters of the same college level foreign language to graduate.

8. Students must submit a separate application for admissions to the upper two years of this program.

Careers

Some associated careers are: systems engineer, process analyst, technical sales engineer, project engineer, field engineer, and calibration engineer.

The bureau of labor statistics reported in 2008 that the annual salary for the middle 50% of engineering technologists was between $ 41,000 and $ 64,000. Information on engineering technology careers (both 2 year and 4 year degreed) are available at

http://www.bls.gov/oco/ocos112.htm

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS
... ...	**AS/AAS Degree Program of Study** OR	44.00
... ...	**AA Degree Program of Study**	
... ...	**General Education Core Requirements Credit**	36.00
... ...	**BSET Core, Concentration and Elective Credit**	48.00
TOTAL	...	**128.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
... ...	**Concentration Required Courses**		
EET3086	Principles of Electrical Circuits	3.00	*Pre-Reqs: MAC1105*
ETS3543	Programmable Logic Applications and Device	2.00	*Pre-Reqs: MAC1105 Conc-Reqs: ETS3543L*
ETS3543L	Programmable Logic Applications and Device Lab	1.00	*Conc-Reqs: ETS3543*
ETS4502	Metrology and Instrumentation	2.00	*Pre-Reqs: MAC2311 AND ETG3541 AND EET3086 Conc-Reqs: ETS4502L*
ETS4502L	Metrology and Instrumentation Lab	1.00	*Conc-Reqs: ETS4502*
ETG3541	Applied Mechanics	3.00	*Pre-Reqs: PHY1053 OR PHY2048*
ETG4950	Project Management and Senior Design II	2.00	*Pre-Reqs: ETI4448 AND COP2001 OR COP2220 Conc-Reqs: ETG4950L*
ETG4950L	Project Management and Senior Design II Lab	1.00	*Conc-Reqs: ETG4950*
ETI3116	Engineering Quality Assurance	3.00	*Pre-Reqs: STA2023*
ETI3421	Materials and Processes	3.00	*Pre-Reqs: MAC1105 AND MAC1114*
ETI3671	Technical Economics Analysis	3.00	*Pre-Reqs: MAC1105*
ETI4448	Project Management and Senior Design I	3.00	
ETM4220	Energy Systems	3.00	*Pre-Reqs: MAC2311*
GEB3213	Business Writing	3.00	*Pre-Reqs: ENC1101*
MAP3401	Problem Analysis	3.00	*Pre-Reqs: MAC2311*
TOTAL	...	**36.00**	

Course	Title	SEM HRS	
... ...	**Elective Courses (Choose 12 Credits)**		
ETC4206	Construction Estimating	3.00	*Pre-Reqs: MAC1114 AND ETC4241*
ETC4241	Construction Materials and Methods	2.00	*Pre-Reqs: ETG3541 Conc-Reqs: ETC4241L*
ETC4241L	Construction Materials and Methods Lab	1.00	*Conc-Reqs: ETC4241*
ETC4414	Structural Steel Design	2.00	*Pre-Reqs: ETG3533 Conc-Reqs: ETC4414L*
ETC4414L	Structural Steel Design Lab	1.00	*Conc-Reqs: ETC4414*
ETC4415	Structural Concrete Design	2.00	*Pre-Reqs: ETG3533 Conc-Reqs: ETC4415L*
ETC4415L	Structural Concrete Design Lab	1.00	*Conc-Reqs: ETC4415*
ETG3533	Engineering Strength of Materials	3.00	*Co-Reqs: MAC2311 OR MAC2233 Pre-Reqs: MAC2311 Conc-Reqs: ETG3533L*
ETG3533L	Engineering Strength of Materials Lab	1.00	*Conc-Reqs: ETG3533*
ETI3690	Technical Sales	2.00	

ETI4186	Applied Reliability	3.00	*Pre-Reqs: ETI3116*
ETI4205	Applied Logistics	3.00	
ETI4635	Technical Administration	3.00	*Pre-Reqs: MAC1105*
ETI4640	Operations Management	3.00	*Pre-Reqs: ETI4635*
ETI4704	Occupational Safety	3.00	
ETM4331	Applied Fluid Mechanics	3.00	*Pre-Reqs: PHY1053 AND MAC2311 OR MAC2233*
EGN3343	Thermodynamics	3.00	*Co-Reqs: MAP3401 OR MAP2302 Pre-Reqs: ETG3541*
... ...	**Elective Credits for Concentration**	12.00	
TOTAL	...	**48.00**	

Sample Program of Study

Course	Title		

Semester I

		SEM HRS	
GEB3213	Business Writing	3.00	*Pre-Reqs: ENC1101*
EET3086	Principles of Electrical Circuits	3.00	*Pre-Reqs: MAC1105*
ETI3671	Technical Economics Analysis	3.00	*Pre-Reqs: MAC1105*
... ...	**General Education Core**	3.00	
... ...	**General Education Core**	3.00	

Semester II

		SEM HRS	
ETI3421	Materials and Processes	3.00	*Pre-Reqs: MAC1105 AND MAC1114*
ETS3543	Programmable Logic Applications and Device	2.00	*Pre-Reqs: MAC1105 Conc-Reqs: ETS3543L*
ETS3543L	Programmable Logic Applications and Device Lab	1.00	*Conc-Reqs: ETS3543*
MAP3401	Problem Analysis	3.00	*Pre-Reqs: MAC2311*
... ...	**General Education Core**	3.00	
... ...	**General Education Core**	3.00	

Semester III

		SEM HRS	
ETI3116	Engineering Quality Assurance	3.00	*Pre-Reqs: STA2023*
... ...	**General Education Core**	3.00	
... ...	**Elective**	3.00	
... ...	**General Education Core**	3.00	

Semester IV

		SEM HRS	
ETG3541	Applied Mechanics	3.00	*Pre-Reqs: PHY1053 OR PHY2048*
ETI4448	Project Management and Senior Design I	3.00	
ETS4502	Metrology and Instrumentation	3.00	*Pre-Reqs: MAC2311 AND ETG3541 AND EET3086 Conc-Reqs: ETS4502L*
ETS4502L	Metrology and Instrumentation Lab	1.00	*Conc-Reqs: ETS4502*
... ...	**Elective**	3.00	

Semester V

		SEM HRS	
ETM4220	Energy Systems	3.00	*Pre-Reqs: MAC2311*
ETG4950	Project Management and Senior Design II	3.00	*Pre-Reqs: ETI4448 AND COP2001 OR COP2220 Conc-Reqs: ETG4950L*
ETG4950L	Project Management and Senior Design II Lab	1.00	*Conc-Reqs: ETG4950*
... ...	**Elective**	3.00	
... ...	**Elective**	3.00	
TOTAL	...	**66.00**	

... ...	**Students should seek**
... ...	**advisement prior to**
... ...	**enrolling in classes**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

It may be necessary for the student to enroll in a college preparatory English, Math or Reading course based upon college placement test scores.

Bachelor of Science in Engineering Technology - Electrical Engineering Technology Concentration

Program Mission, Description, and Outcomes

Mission:
To continuously upgrade the Electrical Systems concentration of the BSET Program to meet industry needs; to maintain standards of excellence in program content and to remain competitive among educational institutions providing similar electrical engineering technology programs, while successfully educating students to become qualified technical professionals in their chosen field.

Description:
The Electrical Systems Concentration of the BSET program prepares graduates for technical positions in the expanding fields of electrical, digital, computers and microprocessors. The primary objective is to provide a broad foundation of theoretical and practical knowledge in the areas of electrical and electronics circuits, digital circuits, computers, power systems, programmable logic controllers, microprocessors, and control systems.

The Electrical Sysyems concentration of the BSET Program uses a 2 + 2 model requiring the completion of an associates degree for entry into the program. The degree components are below.

Outcomes:
Graduates of the program will be able to:
1. Apply basic knowledge in electronic, electrical circuit analysis, power systems, microprocessors, photonics, programmable logic controller, and control systems.
2. Apply basic mathematical, scientific, and engineering concepts to technical problem solving.
3. Conduct experiments, and then analyze and interpret results.
4. Apply creativity through the use of project-based work to design circuits, systems or processes.
5. Work effectively in teams.
6. Demonstrate a working knowledge of computer usage, including the use of one or more computer software packages for technical problem solving.
7. Communicate effectively orally, visually, and in writing.
8. Recognize the need for lifelong learning and be prepared to continue their education through formal or informal study.
9. Demonstrate an understanding of professional, ethical and social responsibilities.
10. Demonstrate respect for diversity and a knowledge of contemporary professional, social and global issues.

11. Demonstrate a commitment to quality, timeliness, and continuous improvement.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Applicants for the BSET - Electrical Systems concentration must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), or an Associate of Arts (AA) degree with an overall grade point average of 2.5.

2. Students with a grade point average of between 2.0 and 2.49 may be admitted conditionally. AA graduates may be admitted to the program with the approval of the Chair of the BSET program. Those with AA degrees who have completed all core general education courses will be required to complete a total of 18 credits in appropriate technical prerequisite courses. AS/AAS graduates must complete additional core general education courses.

3. Students must have completed a class in College Algebra (MAC 1105) or equivalent with a grade of C or better for admission.

4. Typically students from AS or AAS degree programs transfer 15 credits of General Education Core. AA graduates will typically transfer the total 36 general education core requirements into the BS program. A.A. graduates will also require 18 hours of lower division credit in an occupational/technical area, e.g. Architectural Design/Construction Technology, Automotive Service Management Technology, Computer Integrated Manufacturer, Construction Electricity Management, Industrial Management Technology, and Telecommuications Engineering Technology.

5. General Education Core - The state mandated 36 hours of general education [Communications - 9 sch; Mathematics - 6 sch; Sciences - 6 sch; Humanities, Cultural & Aesthetic - 3 sch; Behavioral and Social Sciences - 3 sch; Health & Wellness - 3 sch; Political, Economic & Business - 3 sch; Historical and Global - 3 sch.]

6. Applicants who have not earned an associate degree may be admitted to the BSET Electronical Systems concentration if they have earned at least 60 BSET, BSET-EET or Engineering (EE, ME, etc..) transferrable credits with a grade of "C" or better in all core general education courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval

of the Chair.

7. Students must have completed two years of the same foreign language in high school or two semesters of the same college level foreign language to graduate.

8. Students must submit a separate application for admissions to the upper two years of this program.

Careers

Some associated careers are technical positions in the expanding fields of electrical engineering, computers and microprocessors, and control systems.

The bureau of labor statistics reported in 2008 that the annual salary for the middle 50% of engineering technologists was between $ 41,000 and $ 64,000. Median salary information for 2009 for Electronics and Electrical Technicians are available at http://www.bls.gov/oes/current/oes173023.htm

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS
... ...	**AS/AAS Degree Program of Study OR**	44.00
... ...	**AA Degree Program of Study**	
... ...	**General Education Core Requirements Credit**	36.00
... ...	**BSET- Electrical Systems Concentration and**	
... ...	**Elective Credit**	48.00
TOTAL	...	**128.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	

... ...	**Concentration Required Courses**	SEM HRS	
CET3198	Digital Systems	2.00	*Pre-Reqs: CET3116 Conc-Reqs: CET3198L*
CET3198L	Digital Systems Lab	1.00	*Conc-Reqs: CET3198*
EET3716	Network Analysis	3.00	*Pre-Reqs: MAC2311 AND EET1021 AND EET3085*
EET4158	Linear Integrated Circuits	3.00	*Pre-Reqs: EET3716 AND EET2142 AND EET1141 Conc-Reqs: EET4158L*
EET4158L	Linear Integrated Circuits Lab	1.00	*Conc-Reqs: EET4158*
EET4732	Feedback Control Systems	3.00	*Pre-Reqs: PHY1053 AND MAC2311 AND EET3716 Conc-Reqs: EET4732L*
EET4732L	Feedback Control Systems Lab	1.00	*Conc-Reqs: EET4732*
ETS3543	Programmable Logic Applications and Device	2.00	*Pre-Reqs: MAC1105 Conc-Reqs: ETS3543L*
ETS3543L	Programmable Logic Applications and Device Lab	1.00	*Conc-Reqs: ETS3543*
ETG3541	Applied Mechanics	3.00	*Pre-Reqs: PHY1053 OR PHY2048*
ETG4950	Project Management and Senior Design II	2.00	*Pre-Reqs: ETI4448 AND COP2001 OR COP2220 Conc-Reqs: ETG4950L*
ETG4950L	Project Management and Senior Design II Lab	1.00	*Conc-Reqs: ETG4950*
ETI3116	Engineering Quality Assurance	3.00	*Pre-Reqs: STA2023*
ETI3671	Technical Economics Analysis	3.00	*Pre-Reqs: MAC1105*
ETI4448	Project Management and Senior Design I	3.00	
ETP4240	Power Systems	3.00	*Pre-Reqs: EET3085 AND EET1021 Conc-Reqs: ETP4240L OR EET4548L*
ETP4240L	Power Systems Lab	1.00	*Conc-Reqs: ETP4240 OR EET4548*
GEB3213	Business Writing	3.00	*Pre-Reqs: ENC1101*
MAP3401	Problem Analysis	3.00	*Pre-Reqs: MAC2311*
TOTAL	...	**42.00**	

... ...	**Elective Courses (Choose 6 Credits)**	SEM HRS

CET3383	Software Engineering I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
CET4134	Microprocessor Electronics II	2.00	*Conc-Reqs: CET4134L*
CET4134L	Microprocessor Electronics II Lab	1.00	*Conc-Reqs: CET4134*
CET4138	Programmable Digital Devices	2.00	*Pre-Reqs: CET3198 Conc-Reqs: CET4138L*
CET4138L	Programmable Digital Devices Lab	1.00	*Conc-Reqs: CET4138*
CET4333	Computer Organization and Design	3.00	*Pre-Reqs: CET1112 OR CET3116*
CET4505	Operating Systems I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
COP4708	Applied Database I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
EET4329	Communications Systems	3.00	*Pre-Reqs: EET3716 Conc-Reqs: EET4329L*
EET4329L	Communications Systems Lab	1.00	*Conc-Reqs: EET4329*
ETM4220	Energy Systems	3.00	*Pre-Reqs: MAC2311*
ETM4220	Energy Systems	3.00	*Pre-Reqs: MAC2311*
EGN3343	Thermodynamics	3.00	*Co-Reqs: MAP3401 OR MAP2302 Pre-Reqs: ETG3541*
ETM4331	Applied Fluid Mechanics	3.00	*Pre-Reqs: PHY1053 AND MAC2311 OR MAC2233*
TOTAL	Elective Credits for Concentration	**6.00**	
TOTAL	Required and Elective Credits for Concentration	**48.00**	

Sample Program of Study

Course	Title		

... ...	**Semester I**	**SEM HRS**	
CET3198	Digital Systems	2.00	*Pre-Reqs: CET3116 Conc-Reqs: CET3198L*
CET3198L	Digital Systems Lab	1.00	*Conc-Reqs: CET3198*
GEB3213	Business Writing	3.00	*Pre-Reqs: ENC1101*
... ...	**General Education Core**	3.00	
... ...	**General Education Core**	3.00	

... ...	**Semester II**	**SEM HRS**	
EET3716	Network Analysis	3.00	*Pre-Reqs: MAC2311 AND EET1021 AND EET3085*
ETI3671	Technical Economics Analysis	3.00	*Pre-Reqs: MAC1105*
... ...	**General Education Core**	3.00	
... ...	**General Education Core**	3.00	
... ...	**General Education Core**	3.00	

... ...	**Semester III**	**SEM HRS**	
ETG3541	Applied Mechanics	3.00	*Pre-Reqs: PHY1053 OR PHY2048*
ETI3116	Engineering Quality Assurance	3.00	*Pre-Reqs: STA2023*
ETP4240	Power Systems	3.00	*Pre-Reqs: EET3085 AND EET1021 Conc-Reqs: ETP4240L OR EET4548L*
ETP4240L	Power Systems Lab	1.00	*Conc-Reqs: ETP4240 OR EET4548*
... ...	**Semester IV**		
EET4158	Linear Integrated Circuits	3.00	*Pre-Reqs: EET3716 AND EET2142 AND EET1141 Conc-Reqs: EET4158L*
ETS3543	Programmable Logic Applications and Device	2.00	*Pre-Reqs: MAC1105 Conc-Reqs: ETS3543L*
EET4158L	Linear Integrated Circuits Lab	1.00	*Conc-Reqs: EET4158*
ETS3543L	Programmable Logic Applications and Device Lab	1.00	*Conc-Reqs: ETS3543*
MAP3401	Problem Analysis	3.00	*Pre-Reqs: MAC2311*
ETI4448	Project Management and Senior Design I	3.00	

... ...	**Semester V**	**SEM HRS**	
EET4732	Feedback Control Systems	3.00	*Pre-Reqs: PHY1053 AND MAC2311 AND EET3716 Conc-Reqs: EET4732L*
EET4732L	Feedback Control Systems Lab	1.00	*Conc-Reqs: EET4732*
ETG4950	Project Management and Senior Design II	2.00	*Pre-Reqs: ETI4448 AND COP2001 OR COP2220 Conc-Reqs: ETG4950L*
ETG4950L	Project Management and Senior Design II Lab	1.00	*Conc-Reqs: ETG4950*
... ...	**Elective**	3.00	
... ...	**Elective**	3.00	
TOTAL	...	**66.00**	

... ...	**Students are strongly encouraged**		
... ...	**to seek advisement prior to**		

... ...   **enrolling in courses.**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Bachelor of Science in Engineering Technology - Information Systems Technology Concentration

Program Information

BS Degree - Code 6332 - Catalog 2012/2013
Ronald Eaglin, AVP, College of Technology, 386-506-4176, eaglinr@daytonastate.edu
Anindya Paul, Chair, College of Technology, 386-506-4155, paula@DaytonaState.edu
Hazel Singh, 386-506-4138, singhh@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
To continuously upgrade the Information Systems concentration of the BSET Program to meet industry needs; to maintain standards of excellence in program content and to remain competitive among educational institutions providing similar information systems technology programs, while successfully educating students to become qualified technical professionals in their chosen field.

Description:
The Information Systems Concentration of the BSET program prepares graduates for technical positions in the fields of information systems management, information technology, network security, and digital forensics. Graduates of this program will have a broad understanding of processes that support the development, delivery and management, and security of information systems.

The Information Systems concentration of the BSET Program uses a 2 + 2 model requiring the completion of an associates degree for entry into the program. The degree components are below.

Outcomes:
Graduates of the program will be able to:
1. Apply knowledge of computing and mathematics appropriate to the discipline.
2. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. Design, implement and evaluate a computer-based system, process, component, or program to meet desired needs.
4. Function effectively on teams to accomplish a common goal.
5. Demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. Communicate effectively with a range of audiences.
7. Analyze the local and global impact of computing on individuals, organizations and society.
8. Recognize the need for, and an ability to engage in, continuing professional development.
9. Use current techniques, skills, and tools necessary for computing practices.
10. Demonstrate an understanding of processes that support the delivery and management of information systems within a specific

application environment.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Applicants for the BSET - Information Systems concentration must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), or an Associate of Arts (AA) degree with an overall grade point average of 2.5.

2. Students with a grade point average between 2.0 and 2.49 may be admitted conditionally. AA graduates may be admitted to the program with the approval of the Chair of the BSET program.

3. Students must have completed a class in College Algebra (MAC 1105) or equivalent with a grade of C or better for admission.

4. Prior to graduation, students must complete: a. 48 hours of approved upper level technical courses. b. 36 hours of general education course work and c. 44 hours of approved lower level technical course work.

5. General Education Core - The state mandated 36 hours of general education: Communications - 9 sch; Mathematics - 6 sch; Sciences - 6 sch; Humanities, Cultural & Aesthetic - 3 sch; Behavioral and Social Sciences - 3 sch; Health & Wellness - 3 sch; Political, Economic & Business - 3 sch; Historical and Global - 3 sch.

6. Students must complete the following courses: 1. (MAC 2311) 2. (STA 2023) 3. (MAD 2104) or equivalent as part of the graduation requirements.

7. Applicants who have not earned an associate degree may be admitted to the BSET Information Systems concentration if they have earned at least 60 BSET-IS transferrable credits with a grade of "C" or better in all core general education courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval of the Chair.

8. Students must have completed two years of the same foreign language in high school or two semesters of the same college level foreign language to graduate.

9. Students must submit a separate application for admissions to the upper two years of this program.

Some associated careers are networking, security, computer systems, programming, systems design and maintenance and project management in information technology fields.

The bureau of labor statistics reported in 2009 the mean annual wages for the following information technology professions; database administrators - $74,290, computer specialist - $78,010, network administrator - $70,930, data communications analyst - $76,560. Results compiled from BLS - http://www.bls.gov/

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS
... ...	**AS/AAS Degree Program of Study OR**	44.00
... ...	**AA Degree Program of Study**	
... ...	**General Education Core Requirements Credit**	36.00
... ...	**BSET-Information Systems Concentration and Electiv**	48.00
TOTAL	...	**128.00**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title

Course	Title	SEM HRS	
... ...	**Concentration Required Courses**		
CET3010	Introduction to Information Technology	3.00	*Pre-Reqs: ENC1101*
CET3383	Software Engineering I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
CET3679	Telecommunications I	3.00	*Pre-Reqs: EET1011 OR EET3086 OR EET3085*
CET4333	Computer Organization and Design	3.00	*Pre-Reqs: CET1112 OR CET3116*
CET4483	Telecommunications II	3.00	*Pre-Reqs: EET3086 OR EET1011 OR EET3085*
CET4663	Computer and Network Security	3.00	*Pre-Reqs: CET2660 AND CTS3348 OR CET1178 AND CET2154*
COP4813	Web Systems I	3.00	*Pre-Reqs: COP2800 OR COP2220 OR COP2001*
CET4505	Operating Systems I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
CET4748	Telecommunications III	3.00	*Pre-Reqs: CET4483*
COP4708	Applied Database I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
CTS3348	Linux Administration	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
GEB3213	Business Writing	3.00	*Pre-Reqs: ENC1101*
TOTAL	...	**36.00**	

Course	Title	SEM HRS	
... ...	**Elective Courses (Choose 12 credits)**		
CET4884	Security Methods and Practice	3.00	*Pre-Reqs: CET3010 AND CET4663*
COP4709	Applied Database II	3.00	*Pre-Reqs: COP4708*
CET4885	Digital Forensics for Information Security	3.00	*Pre-Reqs: CET4663 OR CET4884*
CET4668	Practice of Information Security	3.00	*Pre-Reqs: CET4663 AND CET4884*
COP4834	Web Systems II	3.00	*Pre-Reqs: COP4813*
CET3116	Digital Technology	4.00	*Pre-Reqs: MAC1105*
CET4860	Introduction to Digital Forensics	3.00	*Pre-Reqs: CET4663 OR CET4884 OR CET1178 AND CTS2321 AND CET1600 AND CET2154*
CET4861	Advanced Digital Forensics	3.00	*Pre-Reqs: CET4860 OR CET4885*
CET4862	Network Forensics and Incident Response	3.00	*Pre-Reqs: CET4860 OR CET4885*
EET3086	Principles of Electrical Circuits	3.00	*Pre-Reqs: MAC1105*
TOTAL	Elective Credit for Concentration	**12.00**	
TOTAL	Required and Elective Credit for	**48.00**	

Sample Program of Study

Course	Title		

		Semester I	SEM HRS	

CET3010	Introduction to Information Technology	3.00	*Pre-Reqs: ENC1101*
CET3679	Telecommunications I	3.00	*Pre-Reqs: EET1011 OR EET3086 OR EET3085*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
GEB3213	Business Writing	3.00	*Pre-Reqs: ENC1101*
MAC1140	Pre-Calculus Algebra	3.00	*Pre-Reqs: MAC1105 OR MAC1104*

		Semester II	SEM HRS	

CET4483	Telecommunications II	3.00	*Pre-Reqs: EET3086 OR EET1011 OR EET3085*
CTS3348	Linux Administration	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
MAC2311	Calculus I	3.00	*Pre-Reqs: MAC1140 AND MAC1114 Conc-Reqs: MAC2311L*
CET4333	Computer Organization and Design	3.00	*Pre-Reqs: CET1112 OR CET3116*

		Semester III	SEM HRS	

| CET4748 | Telecommunications III | 3.00 | *Pre-Reqs: CET4483* |
| ... ... | **Electives** | 3.00 | |

		Semester IIII	SEM HRS	

CET3383	Software Engineering I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
CET4505	Operating Systems I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
COP4708	Applied Database I	3.00	*Pre-Reqs: COP2800 OR COP2001 OR COP2220*
CET4663	Computer and Network Security	3.00	*Pre-Reqs: CET2660 AND CTS3348 OR CET1178 AND CET2154*
MAD2104	Discrete Mathematics	3.00	*Co-Reqs: MAC1114*

		Semester IV	SEM HRS	

COP4813	Web Systems I	3.00	*Pre-Reqs: COP2800 OR COP2220 OR COP2001*
... ...	**Technical Electives**	3.00	
... ...	**Technical Electives**	3.00	
... ...	**Technical Electives**	3.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Business Administration

Program Mission, Description, and Outcomes

Mission:

The mission of the Business Administration Department is to offer quality on-campus and online courses in business, management and marketing that lead to a Certificate in Business Management or Business Operations as well as an AS degree in Business Administration to prepare students for employment opportunities or for transfer into a Bachelor's degree program.

Description:

The program provides a solid foundation in business administration principles and the basic techniques and skills for efficient and effective management of businesses. Graduates learn marketing, finance, accounting, management, human relations, business law, and entrepreneurial skills.

Outcomes:

Graduates of the program will be able to:
1. Generate effective communication of ideas, concepts and terminology.
2. Identify legal and ethical concerns and demonstrate social responsibility in business situations.
3. Explain how economic theories impact businesses and consumers.
4. Interpret and apply business related theories and technology to problems, cases, or research papers.
5. Utilize appropriate software and prepare applicable business documentation.
6. Create and analyze financial information for management-related decisions.
7. Formulate a marketing plan for a company that incorporates marketing concepts.
8. Develop a business plan for a new business venture.

Graduates of this program are eligible to be enrolled in Daytona State College, Bachelor of Applied Science in Supervision and

Management program. Call (386) 506-4BAS or email BASinfo@daytonastate.edu for details.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

Program Specific Courses require a "C" or better.

Careers

Program specific courses count toward Business Operations - Entrepreneurship Certificate - 0913.

Program specific courses count toward Business Management Certificate - 0916.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title		
... ...	**General Education Core - 24 Credits**	**SEM HRS**	
... ...	**Communications Core (9 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (6 credits)**	**SEM HRS**	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

Humanities, Cultural & Aesthetic Core (3 credits)
Choose One Course

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Historical & Global Core (3 credits)
Choose One Course

		SEM HRS	
AMH2010	United States History to 1877	3.00	*Pre-Reqs: ENC1101*
AMH2020	United States History 1865 to Present	3.00	*Pre-Reqs: ENC1101*
AMH2042	American Social History 1860 to Present	3.00	*Pre-Reqs: ENC1101*
AMH2045	American Maritime History	3.00	*Pre-Reqs: ENC1101*
AMH2047	Survey of US Military History	3.00	*Co-Reqs: ENC1101*
AMH2059	The Vietnam War	3.00	*Pre-Reqs: ENC1101*
EUH2000	History of Western Civilization to 1648	3.00	*Pre-Reqs: ENC1101*
EUH2001	History of Western Civilization from 1648 to Present	3.00	*Pre-Reqs: ENC1101*
GEO2000	World Geography	3.00	*Co-Reqs: ENC1101*
GEO2420	Cultural Geography	3.00	*Co-Reqs: ENC1101*
AMH2091	Survey of African American History	3.00	*Co-Reqs: ENC1101*
PHI2001	Introduction of Philosophy I	3.00	*Pre-Reqs: ENC1101*
REL2300	World Religion	3.00	*Pre-Reqs: ENC1101*
WOH2012	World History Before 1500	3.00	*Pre-Reqs: ENC1101*
WOH2022	World History After 1500	3.00	*Pre-Reqs: ENC1101*
PHI2600	Introduction to Ethics	3.00	*Pre-Reqs: ENC1101*

Political, Economic & Business Core (3 credits)

		SEM HRS	
ECO2013	Principles of Macro Economics	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
ACG2022	Principles of Financial Accounting	4.00	
ACG2071	Principles of Managerial Accounting	4.00	*Pre-Reqs: ACG2022*
BUL2241	Business Law I	3.00	
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
FIN2000	Principles of Finance	3.00	
GEB1011	Introduction to Business	3.00	
OST2828	Business Presentation Software **OR**		
OST2852	Excel for the Office	1.00	
GEB2430	Business Ethics	3.00	*Co-Reqs: ENC1101*
ISM2000	Introduction to Business Information Processing	3.00	

		SEM HRS	
MAN2021	Principles of Management	3.00	
MAR2011	Principles of Global Marketing	3.00	
SBM2000	Small Business Management	3.00	
OST1141	Keyboarding	1.00	

... ... Choose One Elective

		SEM HRS	
APA1111*2*	Computerized Accounting/Bookkeeping I	4.00	
APA1711	Computer Spreadsheet	3.00	
GEB2949	Cooperative Education Experience in Business	3.00	
FIN1100	Personal Financial Planning	3.00	
MNA2161	Quality Service Management	3.00	
GEB2351	International Business	3.00	
MAR2720	Introduction to E-Commerce	3.00	
MKA2021	Sales Fundamentals	3.00	
MAR2101	Social Media Marketing	3.00	
MAR2321	Advertising	3.00	
MNA2345	Supervision of Personnel	3.00	

Sample Program of Study

Course	Title

... ... FIRST YEAR
... ... 1st Semester

		SEM HRS	
ACG2022	Principles of Financial Accounting	4.00	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
GEB1011	Introduction to Business	3.00	
MAN2021	Principles of Management	3.00	
OST1141	Keyboarding	1.00	

... ... 2nd Semester

		SEM HRS	
ACG2071	Principles of Managerial Accounting	4.00	*Pre-Reqs: ACG2022*
BUL2241	Business Law I	3.00	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MAR2011	Principles of Global Marketing	3.00	

... ... Summer Semester

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
... ...	**Historical & Global Core**	3.00	

... ... SECOND YEAR
... ... 1st Semester

		SEM HRS	
ISM2000	Introduction to Business Information Processing	3.00	
ECO2013	Principles of Macro Economics	3.00	*Co-Reqs: ENC1101*
OST2828	Business Presentation Software **OR**		
OST2852	Excel for the Office	1.00	
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

... ... 2nd Semester

		SEM HRS	
ECO2023	Principles of Micro Economics	3.00	*Co-Reqs: ENC1101*
FIN2000	Principles of Finance	3.00	
GEB2430	Business Ethics	3.00	*Co-Reqs: ENC1101*
SBM2000	Small Business Management	3.00	

Elective - Choose One (1) of the Following

		SEM HRS
APA1111[2]	Computerized Accounting/Bookkeeping I	4.00
APA1711	Computer Spreadsheet	3.00
GEB2351	International Business	3.00
GEB2949	Cooperative Education Experience in Business	3.00
FIN1100	Personal Financial Planning	3.00
MAR2101	Social Media Marketing	3.00
MAR2321	Advertising	3.00
MAR2720	Introduction to E-Commerce	3.00
MKA2021	Sales Fundamentals	3.00
MNA2161	Quality Service Management	3.00
MNA2345	Supervision of Personnel	3.00

TOTAL ... **64.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. If transfering to a university, MAC2230 or MAC2233 may be required; check with that institution to determine their requirement.

2. Students selecting APA1111 (Computerized Accounting/Bookkeeping I) as an Elective are not required to take OST1141.

Business Management

Program Information

A.S. Certificate - Code 0916 - Catalog 2012/2013
John Weiss, Assistant Chair, 386-506-3792, weissj@daytonastate.edu
School of Applied Business, 386-506-3012

Program Mission, Description, and Outcomes

Mission:
The mission of the Business Administration Department is to offer quality on-campus and online courses in business, management and marketing that lead to a Certificate in Business Management or Business Operations as well as an AS degree in Business Administration to prepare students for employment opportunities or for transfer into a Bachelor's degree program.

Description:
The college credit certificate program is designed to provide individuals with the skills and knowledge necessary to start, operate, and/or improve a small business. Classes will be scheduled to accommodate the needs of individuals already working in the business world.

Outcomes:
Graduates of the program will be able to:
1. Prepare and maintain financial records using accounting software.
2. Generate effective communication of ideas, concepts and terminology.
3. Interpret and apply business related theories and technology to problems, cases, or research papers.
4. Utilize appropriate software and prepare applicable business documentation.
5. Formulate a marketing plan for a company that incorporates marketing concepts.
6. Develop a business plan for a new business venture.

Credits earned in this certificate may be applied toward the AS degree in Business Administration.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,508*
Access Fee: $190 ($7.90 per credit)
Assessment Fee: $30
Textbook Estimate: $1,050

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more infornation see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Program Specific Courses require a "C" or better.

Careers

The typical length of this program is two (2) semesters for a full-time student, with no students graduating within 2 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

Some program specific courses in this program may be applied toward the Business Operations - Entrepreneurship Certificate # 0913.
Some program specific courses in this program may be applied toward the AS Business Administration Degree #2059.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional informationon any career, job, or salary potential can be found at http://www.onetonline.org. For additional career information, please see: http://www.onetonline.org/link/summary/13-119904.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS
APA1111	Computerized Accounting/Bookkeeping I	4.00
APA1711	Computer Spreadsheet	3.00
GEB1011	Introduction to Business	3.00
GEB2949	Cooperative Education Experience in Business	2.00
ISM2000	Introduction to Business Information Processing	3.00
MAN2021	Principles of Management	3.00
MAR2011	Principles of Global Marketing	3.00
SBM2000	Small Business Management	3.00

Sample Program of Study

Course	Title	SEM HRS

... ... 1st Semester

Course	Title	SEM HRS
APA1111	Computerized Accounting/Bookkeeping I	4.00
GEB1011	Introduction to Business	3.00
ISM2000	Introduction to Business Information Processing	3.00
MAN2021	Principles of Management	3.00

... ... 2nd Semester

Course	Title	SEM HRS
APA1711	Computer Spreadsheet	3.00
GEB2949	Cooperative Education Experience in Business	2.00
MAR2011	Principles of Global Marketing	3.00
SBM2000	Small Business Management	3.00

TOTAL ... **24.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Business Operations - Entrepreneurship

Program Information

A.S. Certificate - Code 0913 - Catalog 2012/2013
John Weiss, Assistant Chair, 386-506-3792, weissj@daytonastate.edu
School of Applied Business, 386-506-3012

Program Mission, Description, and Outcomes

Mission:
The mission of the Business Administration Department is to offer quality on-campus and online courses in business, management and marketing that lead to a Certificate in Business Management or Business Operations as well as an AS degree in Business Administration to prepare students for employment opportunities or for transfer into a Bachelor's degree program.

Description:
The college credit certificate program is designed to provide individuals with the skills and knowledge necessary to start, operate, and/or improve a small business. Classes will be scheduled to accommodate the needs of individuals already working in the business world.

Outcomes:
Graduates of the program will be able to:
1. Prepare a personal financial plan and demonstrate knowledge of corporate finance.
2. Generate effective communication of ideas, concepts and terminology.
3. Interpret and apply business related theories and technology to problems, cases, or research papers.
4. Utilize appropriate software and prepare applicable business documentation.
5. Formulate a marketing plan for a company that incorporates marketing concepts.
6. Develop a business plan for a new business venture.

Credits earned in this certificate may be applied toward the AS degree in Business Administration.

Note: To ensure Financial Aid program eligibility, students need to also be accepted to the parallel associate degree program.

Approximate Additional Costs

Program Tuition and Fees: $1,881*
Access Fee: $142 ($7.90 per credit)
Assessment Fee: $30
Textbook Estimate: $900

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student finanical assistance by completing their FAFSA at http://www.fafsa.gov. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Program Specific Couses require a "C" or better.

Careers

The typical length of this program is two (2) semesters for a full-time student, with 57% graduating within 2 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

Some credits earned in this program may be applied toward the AS degree in Business Administration - 2059.
Some credits earned in this program may be applied toward the Business Management Certificate - 0916.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Addidtional information on any career, job, or salary potential can be found at http://www.onetonline.org. For additional career information, please see: http://www.onetonline.org/link/summary/11-1021.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS
FIN1100	Personal Financial Planning	3.00
FIN2000	Principles of Finance	3.00
ISM2000	Introduction to Business Information Processing	3.00
MAR2011	Principles of Global Marketing	3.00
SBM2000	Small Business Management	3.00
... ...	**Elective - Choose one:**	
MAN2021	Principles of Management **OR**	
MNA2161	Quality Service Management **OR**	
MNA2345	Supervision of Personnel	3.00

Sample Program of Study

Course   Title

	1st Semester	SEM HRS
... ...		
FIN1100	Personal Financial Planning	3.00
MAR2011	Principles of Global Marketing	3.00
SBM2000	Small Business Management	3.00

	2nd Semester	SEM HRS
... ...		
FIN2000	Principles of Finance	3.00
ISM2000	Introduction to Business Information Processing	3.00

	Elective - Choose one:	SEM HRS
... ...		
MAN2021	Principles of Management **OR**	
MNA2161	Quality Service Management **OR**	
MNA2345	Supervision of Personnel	3.00

TOTAL	...	**18.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Cable Installation

Program Information

A.S. Certificate - Code 0921 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Lawrence Pivec, Assistant Chair, pivecl@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The certificate program provides the student a basic understanding of electronic skills, use of various types of precision test equipment for analyzing, troubleshooting and repairing electronic circuitry.

Description:
The certificate program provides students with the knowledge and skills necessary to install and test cable. This program is designed to prepare students for employment as a cable installer, cable tester, cable technician, or to provide supplemental training to persons previously or currently employed in these occupations. More specifically, students will be able to use the various types of precision test equipment found in general use throughout the electronics industry for the purpose of analyzing, troubleshooting and repairing electronic circuitry.

Outcomes:
Graduates of the program will be able to:
1. Assess the effectiveness of transmission and distribution systems.
2. Demonstrate knowledge of basic electronics.
3. Analyze proficiency of transmission and distribution systems.
4. Evaluate proficiency in network communications.
5. Analyze proficiency of telephony communication systems.

6. Evaluate and analyze proficiency of analog and digital systems.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $1,254*
Access Fee: $95 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $70
Textbook Estimate - varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

All of these courses count toward either the AS degree in Computer Engineering Technology, Computer Information Technology, Computer Programming and Analysis, Electronics Engineering Technology, and Networking Services Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

17-3029.02 Electrical Engineering Technologists http://www.onetonline.org/help/bright/17-3029.02
17-3029.03 Electromechanical Engineering Technologists http://www.onetonline.org/help/bright/17-3029.03
17-3029.04 Electronics Engineering Technologists http://www.onetonline.org/help/bright/17-3029.04
17-3029.05 Industrial Engineering Technologists http://www.onetonline.org/help/bright/17-3029.05

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
EGS1000	Professional Performance for Technicians	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
... ...	**2nd Semester**		
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
EGS1000	Professional Performance for Technicians	3.00	
TOTAL	...	**12.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Computer Engineering Technology

Program Information

A.S. Degree - Code 2013 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Lawrence Pivec, Assistant Chair, pivecl@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The program prepares individuals to assemble, install, operate, maintain, troubleshoot and repair electronic equipment used in industry. In addition, it also includes content related to the design, theory, and analysis of electronic systems and applications along with general electronics background.

Description:
The program provides a solid foundation in the installation, maintenance, and repair of computer systems, computer networks, robotics and simulation technology. The program provides a general electronics background and prepares students to pass the A+ Certification Examination. Selection of advanced electives allows students to specialize in networking, simulator technician or robotics options.

Outcomes:
Graduates of the program will be able to:
1. Apply knowledge of mathematics, basic science, and engineering technology to solve problems encompassing the fundamental areas of computer engineering technology.
2. Apply knowledge of one or more disciplines to the application, installation, operation, and/or maintenance of computer systems.
3. Conduct and create experiments to acquire needed data and to analyze and interpret the data to solve engineering technology problems.
4. Comply and function as a member of a diverse multidisciplinary team in the solution of engineering problems.
5. Demonstrate proficiency in communicating ideas and information orally and in writing.
6. Relate the need for, and an ability to learn and apply new concepts as required in the continually evolving and rapidly changing practice of computer engineering technology.
7. Comprehend ethical responsibility and professional integrity issues as related to computer technology.
8. Comprehend contemporary technological and societal issues and the impact of computer technology on society in both a local and global context.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Consult college bookstore for approximate costs of textbooks. Consult college catalog for lab fees. Other costs include a scientific calculator, computer repair tool kit (approx. $20), and soldering kit (approx. $20).

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, math, or reading course depending upon college placement test scores.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 18 Credits**		
... ...	**Communications Core (9 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
... ...	**Behavioral & Social Sciences Core (3**		

credits)

... ... **Choose One Course**

		SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**

... ... **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*
EGS1000	Professional Performance for Technicians	3.00	
CET2123	Microcomputer and Basic Digital Communications	3.00	*Pre-Reqs: CET1112 Conc-Reqs: CET2123L*
CET2123L	Microcomputer and Basic Digital Communications Lab	1.00	*Pre-Reqs: CET1112L Conc-Reqs: CET2123*
CET1600	Network Plus	4.00	
CET2154	A+:Computer Operating Systems	4.00	
CET2949	Cooperative Education Experience in Computer Engineering Technology	2.00	
COP1000	Principles of Computer Programming	3.00	
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
EET1141	Analog Devices and Circuits	3.00	*Co-Reqs: EET1021 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1141L*
EET1141L	Analog Devices and Circuits Lab	1.00	*Conc-Reqs: EET1141*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++" **OR**		*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab **OR**		*Conc-Reqs: COP2001*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
... ...	**Elective**	4.00	
... ...	**Elective**	3.00	
... ...	**Elective**	3.00	

... ... **Electives-Choose From:**

		SEM HRS	
CAP1801	Simulation Fundamentals	3.00	
CAP2023	Introduction to Game Programming	3.00	*Pre-Reqs: COP1000*
ETM2315	Simulation Power and Control	2.00	*Pre-Reqs: EET1021 AND COP1000 Conc-Reqs: ETM2315L*
ETM2315L	Simulation Power and Control Lab	1.00	*Conc-Reqs: ETM2315*
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*

CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CET2620	Cisco Wide Area Network (WAN)	4.00	*Pre-Reqs: CET2615*
CET2660	Fundamentals of Network Security	4.00	*Pre-Reqs: CET1600 AND CTS2321*
CET2850	Wireless Networking	4.00	*Pre-Reqs: CET1600*
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2100	Microcomputer Applications	3.00	
CTS2328	Managing and Maintaining a Windows Network Environment	4.00	*Pre-Reqs: CTS2306*
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	4.00	*Pre-Reqs: CTS2306*
CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*

Sample Program of Study

Course   **Title**

... ...	**First Year**		
... ...	**1st Semester**	**SEM HRS**	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
CET2154	A+:Computer Operating Systems	4.00	
COP1000	Principles of Computer Programming	3.00	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
... ...	**2nd Semester**	**SEM HRS**	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
CET1600	Network Plus	4.00	
... ...	**Summer Semester**	**SEM HRS**	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
... ...	**Behavioral & Social Sciences Core**	3.00	
... ...	**Second Year**		
... ...	**Ist Semester**	**SEM HRS**	
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++" **OR**		*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab **OR**		*Conc-Reqs: COP2001*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*
EET1141	Analog Devices and Circuits	3.00	*Co-Reqs: EET1021 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1141L*
EET1141L	Analog Devices and Circuits Lab	1.00	*Conc-Reqs: EET1141*
... ...	**Elective**	3.00	
... ...	**2nd Semester**	**SEM HRS**	
CET2123	Microcomputer and Basic Digital Communications	3.00	*Pre-Reqs: CET1112 Conc-Reqs: CET2123L*
CET2123L	Microcomputer and Basic Digital Communications Lab	1.00	*Pre-Reqs: CET1112L Conc-Reqs: CET2123*
EGS1000	Professional Performance for Technicians	3.00	
CET2949	Cooperative Education Experience in Computer Engineering Technology	2.00	
... ...	**Elective**	4.00	
... ...	**Elective**	3.00	
TOTAL	...	**68.00**	

Computer Engineering Technology Cisco (CCNA)

Program Information

A.S. Certificate - Code 0922 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Lawrence Pivec, Assistant Chair, pivecl@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/07/2012 M - 1232

Program Mission, Description, and Outcomes

Mission:
The certificate program provides students with the knowledge and skills of network support, telecommunications and user support. The curriculum includes, but is not limited to, basic electronics skills, telephony cabling and network communications.

Description:
The certificate program provides students with the knowledge and skills necessary to install, configure and maintain simple networks. Upon completion of this certificate, students may be employed as a Help-desk engineer and Field technician. This program prepares students to pass the Industry certification, Cisco Certified Network Associate (CCNA) exam. The overall benefits for preparing for such a certification is to increase the holder's professional credibility by ensuring high standards of technical expertise. In particular, the CCNA certification indicates knowledge of networking for the Small-Office, Home-Office (SOHO) market and the ability to work in small businesses or organizations whose networks have fewer than 100 nodes. A CCNA certified individual can do the following: Install and configure Cisco switches and routers in multi-protocol internet-works using Local Area Network (LAN) and Wide Area Network (WAN) interfaces. Provide Level 1 troubleshooting service.

Outcomes:
Graduates of the program will be able to:
1. Plan and create a computer network system.
2. Plan and assess the proficiency in network communications.

3. Design and set up a computer network with routers and bridges and hubs.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $1,254*
Access Fee: $95 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $20
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

All of these courses count toward either the AS degree in Computer Engineering Technology, Computer Information Technology, Computer Programming and Analysis, Electronics Engineering Technology, and Networking Services Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 70%.

15-1081.00 Network Systems and Data Communications Analysts http://www.onetonline.org/link/summary/15-1081.00
15-1081.01 Telecommunications Specialists http://www.onetonline.org/help/bright/15-1081.01

For additional Information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151081&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CET1600	Network Plus	4.00	
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CET2620	Cisco Wide Area Network (WAN)	4.00	*Pre-Reqs: CET2615*

Sample Program of Study

Course	Title		
... ...	**1st Semester**	SEM HRS	
CET1600	Network Plus	4.00	
... ...	**2nd Semester**	SEM HRS	
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CET2620	Cisco Wide Area Network (WAN)	4.00	*Pre-Reqs: CET2615*
TOTAL	...	**12.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Computer Information Technology

Program Information

A.S. Degree - Code 2067 - Catalog 2012/2013

Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Jameal Adkins, Assistant Chair, 386-506-4139, adkinsja@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/24/2012 M - 1304

Program Mission, Description, and Outcomes

Mission:
The program prepares students to analyze microcomputer oriented operating procedures, software applications packages, and hardware in order to devise efficient methods to manage a microcomputer-based work environment; manage technology equipment and support its users.

Description:
The Computer Information Technology program provides students with the technical credentials needed for analyzing computer oriented operating procedures, software applications packages and hardware in order to devise efficient methods to manage a computer-based work environment. In addition, students will be able to develop new systems to meet projected needs, select and install information technology equipment, troubleshoot information technology equipment and manage and support information technology users. Selected courses prep for CompTIA A+, MCP and MOS certifications.

Outcomes:
Graduates of the program will be able to:
1. Use current techniques, skills, tools, and emerging technologies necessary for computing practices.
2. Create information systems solutions for transactional, operational, managerial and executive problems.
3. Demonstrate knowledge and understanding of computer hardware and networked environments.
4. Demonstrate proficiency with Internet structure, organization, and Web site development.
5. Design, implement and manage database applications.
6. Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users.
7. Participate and function as a member of a team in the solution of problems.
8. Contribute to chosen field by gaining employment in a related field or by continuing professional development.

9. Evaluate and practice ethical and professional behaviors in the area of computer information technology.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Consult college bookstore for approximate costs of textbooks. Consult college catalog for lab fees.

Additional Admission Requirements

- Successful completers of CTS 2306 are eligible to take the test to become a Microsoft Certified Professional.

- Successful completers of CTS 1600 are eligible to take the test to become a Network Plus Professional.

- Successful completers of CET 2154 are eligible to take the test to become a CompTia A+ Hardware Professional.

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core (6 Credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 Credits)**	SEM HRS	

MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*

Behavioral & Social Sciences Core (3 Credits)
... ...
CHOOSE ONE COURSE

Course	Title	SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

Humanities, Cultural & Aesthetic Core (3 Credits)
... ...
CHOOSE ONE COURSE

Course	Title	SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
DIG1109	Digital Imaging Fundamentals	3.00	
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
CET2154	A+:Computer Operating Systems	4.00	
CET1600	Network Plus	4.00	
COP2700	Introduction to Database Management **OR**		
CTS2431	Data Organization and Management	2.00	*Co-Reqs: COP1000 Conc-Reqs: CTS2431L*
CTS2431L	Data Organization and Management Lab	1.00	*Conc-Reqs: CTS2431*
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2100	Microcomputer Applications	3.00	
COP1000	Principles of Computer Programming	3.00	
CEN2002	Software Design and Development I	3.00	
COP2949	Cooperative Educational Experience in Computer Programming	1.00	
EGS1000	Professional Performance for Technicians	3.00	
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	*Pre-Reqs: CGS2100*
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"		*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab **OR**		*Conc-Reqs: COP2001*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
... ...	**Elective**	3.00	
... ...	**Elective**	3.00	
... ...	**Elective**	3.00	

Computer Programming Elective
... ...
Choose Nine (9) Hours

Course	Title	SEM HRS	
CAP2023	Introduction to Game Programming	3.00	*Pre-Reqs: COP1000*

CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*
CTS2321	Linux System Administration	4.00	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
COP2805	Advanced Computer Programming "Java"	3.00	
CTS2402	Visual Basic Programming	3.00	*Pre-Reqs: COP1000*
CTS2141	Advanced C++ and Direct X Programming	3.00	*Pre-Reqs: COP2001*

Sample Program of Study

Course   **Title**

... ...	**First Year**		
... ...	**1st Semester**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
COP1000	Principles of Computer Programming	3.00	
CGS2100	Microcomputer Applications	3.00	
DIG1109	Digital Imaging Fundamentals	3.00	
CET2154	A+:Computer Operating Systems	4.00	

... ...	**2nd Semester**		
		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	*Pre-Reqs: CGS2100*
CET1600	Network Plus	4.00	

... ...	**Summer Semester**		
		SEM HRS	
EGS1000	Professional Performance for Technicians	3.00	

... ...	**Second Year**		
... ...	**1st Semester**		
		SEM HRS	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
COP2700	Introduction to Database Management **OR**		
CTS2431	Data Organization and Management	2.00	*Co-Reqs: COP1000 Conc-Reqs: CTS2431L*
CTS2431L	Data Organization and Management Lab	1.00	*Conc-Reqs: CTS2431*
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"		*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab **OR**		*Conc-Reqs: COP2001*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
... ...	**Elective**	3.00	

... ...	**2nd Semester**		
		SEM HRS	
... ...	**Behavioral & Social Sciences Core**	3.00	
CEN2002	Software Design and Development I	3.00	
... ...	**Elective**	3.00	
... ...	**Elective**	3.00	
COP2949	Cooperative Educational Experience in Computer Programming	1.00	
TOTAL	...	**63.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Students choosing one or two four (4) hour courses to meet electives should add the remaining hours in coop education (COP 2949) to meet the program length. Please see the chairperson if you have any questions.

Computer Programming

Program Information

A.S. Certificate - Code 0938 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Jameal Adkins, Assistant Chair, 386-506-4139, adkinsja@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

09/14/2012 M - 1322

Program Mission, Description, and Outcomes

Mission:
The certificate program provides the student with a basic understanding of writing computer programming codes using a variety of programming languages. The students also learn to test, monitor, debug, and document and maintain computer programs.

Description:
The program provides a solid foundation in programming. Students develop skills enabling them to program C, C++, Visual Basic; as well as to design and develop software. All credits earned in this program are applicable to the AS degree in Computer Programming and Analysis. Selected courses prep for MCP, MCAD, MOS, and Sun Java certifications.

Outcomes:
Graduates of the program will be able to:
1. Plan and perform data file activities.
2. Design and assess analysis activities.
3. Prepare, plan and perform program design activities, coding activities and testing activities.
4. Propose and perform user-training activities, implementation activities and user support activities.
5. Appraise and perform evaluation activities.

6. Illustrate professional development skills and general organizational computing workplace competencies.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,448*
Access Fee: $261 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $40
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Successful completers of CET 1600 are eligible to take the test to become a Network Plus Certified Professional.

Careers

The courses from this program could also be used to other AS degrees.
The following information is required by federal regulations to be provided to students for all vocational and certificate programs.
Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is four (4) semesters for a full-time student, with no students graduating within 4 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

15-1021.00 Computer Programmers http://www.onetonline.org/link/summary/15-1021.00
11-3021.00 Computer and Information Systems Managers http://www.onetonline.org/link/summary/11-3021.00
15-1041.00 Computer Support Specialists http://www.onetonline.org/link/summary/15-1041.00
15-1051.00 Computer Systems Analysts http://www.onetonline.org/link/summary/15-1051.00

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CET1600	Network Plus	4.00	
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"	2.00	*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	1.00	*Conc-Reqs: COP2001*
COP2700	Introduction to Database Management **OR**		
CTS2431	Data Organization and Management	2.00	*Co-Reqs: COP1000 Conc-Reqs: CTS2431L*
CTS2431L	Data Organization and Management Lab	1.00	*Conc-Reqs: CTS2431*
COP1000	Principles of Computer Programming	3.00	
CTS2402	Visual Basic Programming	3.00	*Pre-Reqs: COP1000*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
COP2949	Cooperative Educational Experience in Computer Programming	1.00	
EGS1000	Professional Performance for Technicians	3.00	
CEN2002	Software Design and Development I	3.00	
CET2154	A+:Computer Operating Systems	4.00	
... ...	**Computer Elective**	3.00	

Course	**Computer Elective - Choose From:**	SEM HRS	
CAP2023	Introduction to Game Programming	3.00	*Pre-Reqs: COP1000*
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2100	Microcomputer Applications	3.00	
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
CGS2821	Advanced Web Programming (XML, ASP.Net, SQL Server)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
COP2805	Advanced Computer Programming "Java"	3.00	
CTS2141	Advanced C++ and Direct X Programming	3.00	*Pre-Reqs: COP2001*
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*

Sample Program of Study

Course	Title		

Course	**1st Semester**	SEM HRS	
COP1000	Principles of Computer Programming	3.00	
COP2700	Introduction to Database Management **OR**		
CTS2431	Data Organization and Management	2.00	*Co-Reqs: COP1000 Conc-Reqs: CTS2431L*
CTS2431L	Data Organization and Management Lab	1.00	*Conc-Reqs: CTS2431*
CET1600	Network Plus	4.00	
CET2154	A+:Computer Operating Systems	4.00	

Course	**2nd Semester**	SEM HRS	
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
... ...	**Computer Elective**	3.00	
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"	2.00	*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	1.00	*Conc-Reqs: COP2001*
EGS1000	Professional Performance for Technicians	3.00	

Course	**3rd Semester**	SEM HRS	
COP2949	Cooperative Educational Experience in	1.00	

Computer Programming
CEN2002 Software Design and Development I   3.00
CTS2402 Visual Basic Programming   3.00   *Pre-Reqs: COP1000*

TOTAL   ...   **33.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Computer Programming and Analysis (Software Engineering Technology)

Program Information

A.S. Degree - Code 2047 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Jameal Adkins, Assistant Chair, 386-506-4139, adkinsja@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The content prepares students to analyze business situations and to design, develop and write computer programs; learn multiple computer languages; test, monitor, debug, document.

Description:
The program provides a solid foundation in computer programming. Students develop skills enabling them to code C, C++, Visual Basic and Java. Students will learn to design and develop software applications.

Outcomes:
Graduates of the program will be able to:
1. Use current techniques, skills, tools, and emerging technologies necessary for computing practices.
2. Apply critical thinking and problem solving skills in designing algorithms and programming code in various programming languages.
3. Demonstrate knowledge and understanding of computer hardware and networked environments.
4. Demonstrate proficiency with Internet structure, organization, and Web site development.
5. Design, implement and manage database applications.
6. Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users.
7. Ability to function as a member of a team in the solution of problems.
8. Contribute to chosen field by gaining employment in a related field or by continuing professional development.

9. Evaluate and practice ethical and professional behaviors in the area of computer programming and analysis.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Consult college bookstore for approximate costs of textbooks. Consult college catalog for lab fees.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 Credits)**		
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
... ...	**Behavioral & Social Sciences Core (3 credits)**		
... ...	**Choose One Course**		
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... Humanities, Cultural & Aesthetic Core (3 credits)
... ... Choose One Course

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAA1100	Modern Dance I	3.00	
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
CET2154	A+:Computer Operating Systems	4.00	
CTS2402	Visual Basic Programming	3.00	*Pre-Reqs: COP1000*
CET1600	Network Plus	4.00	
CTS2214	Project Management w/Microsoft Project	3.00	*Pre-Reqs: CGS2100*
COP1000	Principles of Computer Programming	3.00	
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"	2.00	*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	1.00	*Conc-Reqs: COP2001*
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
COP2700	Introduction to Database Management **OR**		
CTS2431	Data Organization and Management	2.00	*Co-Reqs: COP1000 Conc-Reqs: CTS2431L*
CTS2431L	Data Organization and Management Lab	1.00	*Conc-Reqs: CTS2431*
COP2949	Cooperative Educational Experience in Computer Programming	1.00	
EGS1000	Professional Performance for Technicians	3.00	
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
CEN2002	Software Design and Development I	3.00	
... ...	**Computer Elective**	3.00	
... ...	**Computer Elective**	3.00	
... ...	**Computer Elective**	3.00	

... ... Computer Elective-Choose From:

		SEM HRS	
CTS2403	Advanced Visual Basic Programming	3.00	*Pre-Reqs: COP2010*
CTS2321	Linux System Administration	4.00	
CTS2141	Advanced C++ and Direct X Programming	3.00	*Pre-Reqs: COP2001*
CET2660	Fundamentals of Network Security	4.00	*Pre-Reqs: CET1600 AND CTS2321*
COP2805	Advanced Computer Programming "Java"	3.00	
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*
CGS2821	Advanced Web Programming (XML, ASP.Net, SQL Server)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
CAP2023	Introduction to Game Programming	3.00	*Pre-Reqs: COP1000*
CGS2100	Microcomputer Applications	3.00	

Sample Program of Study

Course   **Title**

... ...   **First Year**
... ...   **1st Semester**

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
CET2154	A+:Computer Operating Systems	4.00	
COP1000	Principles of Computer Programming	3.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	

... ...   **2nd Semester**

		SEM HRS	
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"	2.00	*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	1.00	*Conc-Reqs: COP2001*
CTS2431	Data Organization and Management		*Co-Reqs: COP1000 Conc-Reqs: CTS2431L*
CTS2431L	Data Organization and Management Lab		*Conc-Reqs: CTS2431*
	OR		
COP2700	Introduction to Database Management	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
CET1600	Network Plus	4.00	
CTS2402	Visual Basic Programming	3.00	*Pre-Reqs: COP1000*

... ...   **Summer Semester**

		SEM HRS	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	

... ...   **Second Year**
... ...   **1st Semester**

		SEM HRS	
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
CTS2214	Project Management w/Microsoft Project	3.00	*Pre-Reqs: CGS2100*
... ...	**Behavioral & Social Sciences Core**	3.00	
... ...	**Computer Elective**	3.00	
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*

... ...   **2nd Semester**

		SEM HRS	
EGS1000	Professional Performance for Technicians	3.00	
... ...	**Computer Elective**	3.00	
... ...	**Computer Elective**	3.00	
CEN2002	Software Design and Development I	3.00	
COP2949	Cooperative Educational Experience in Computer Programming	1.00	

TOTAL   ...   **63.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes
1. Students choosing one or two four (4) hour courses to meet electives should add the remaining hours in cooperative education (COP 2949) to meet the program length. Please see the department chairperson if you have any questions.

Computer Specialist

Program Information

A.S. Certificate - Code 0901 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Lawrence Pivec, Assistant Chair, pivecl@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/07/2012 M - 1233

Program Mission, Description, and Outcomes

Mission:
The certificate program provides the student a broad understanding of computer systems architecture, knowledge of hardware and software along with underlying principles of technology and safety.

Description:
The certificate program in Computer Specialist provides the student a broad understanding of computer systems architecture, analysis and design of computer systems, technical and product skills, underlying principles of technology and safety.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate proficiency in computer systems architecture.
2. Demonstrate proficiency in the use of microcomputer disk operating system services and functions.
3. Perform installation and configuration of computer operating systems.
4. Evaluate performance of peripheral equipment.
5. Demonstrate proficiency in customer site requirements and considerations.
6. Appraise the analysis and design of peripheral equipment used in computer systems.
7. Demonstrate proficiency in computer and network security.
8. Demonstrate proficiency in hubs, bridges, routers and switches.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,821*
Access Fee: $213 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $110
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Most of these courses count toward the AS degree in Computer Engineering Technology, and some courses could be applied toward AS degrees in Computer Information Technology, Electronics Engineering Technology, and Networking Services Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 5% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 67%.

15-1071.00 Network and Computer Systems Administrators http://www.onetonline.org/link/summary/15-1071.00 Bright Outlook
15-1071.01 Computer Security Specialists http://www.onetonline.org/help/bright/15-1071.01
15-1051.00 Computer Systems Analysts http://www.onetonline.org/help/bright/15-1051.00

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*
CET2660	Fundamentals of Network Security	4.00	*Pre-Reqs: CET1600 AND CTS2321*
CET2949	Cooperative Education Experience in Computer Engineering Technology	1.00	
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
CET1600	Network Plus	4.00	
CET2154	A+:Computer Operating Systems	4.00	

Sample Program of Study

Course	Title		

... ... 1st Semester

Course	Title	SEM HRS	
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*
CET2154	A+:Computer Operating Systems	4.00	
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*

... ... 2nd Semester

Course	Title	SEM HRS	
CET1600	Network Plus	4.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

... ... 3rd Semester

Course	Title	SEM HRS	
CET2949	Cooperative Education Experience in Computer Engineering Technology	1.00	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CET2660	Fundamentals of Network Security	4.00	*Pre-Reqs: CET1600 AND CTS2321*

TOTAL	...	**27.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Correctional Officer Recruit Training (Limited Access Program)

Program Information

Vocational Certificate - Code 1150/1050 - Catalog 2012/2013
Sheila Ellison, Assistant Chair, 386-506-3882, ellisos@daytonastate.edu
Louie Mercer, Director, 386-506-3171, mercerlo@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
It is the mission of the Basic Corrections Officer Recruit Program to provide quality job training for students in this discipline. It is our goal to find opportunities to bring these related disciplines together to train and interact so that emergency response to incidents can be more effective.

Description:
The program is designed for the student who intends to become a correctional officer. Students learn the tasks, duties and responsibilities of a correctional officer. Florida statute requires this certificate of completion for certification as a correctional officer. Job title: Correctional Officer.

This program is certified by the Criminal Justice Standards and Training Commission, Florida Department of Law Enforcement.

Graduates of the program are eligible to take the Florida Department of Law Enforcement Examination for Correctional Certification/Employment.

Outcomes:
Graduates of the program will be able to:
1. Identify, analyze, and respond to problem situations involving civil rights, law enforcement and legal issues.
2. Show competence in written and oral communication.
3. Successfully complete State licensure requirements.

4. Integrate knowledge and skills obtained during the academy into their specialized career field.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $1,175*
Access Fee: $111 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $325
Physical Exam: $150 to $250
Textbooks/Equipment/Uniforms:$200
State Exam: $100

*In-state tuition only: out-of-state tuition will be higher.

Additional Admission Requirements

- Complete a Criminal Justice Training Center Application for continuing enrollment.

- Completion of the Basic Abilities Test (CJBAT) and score a minimum of 75%.

- Completion of the test for Adult Basic Education (TABE) and score a minimum of 10.0 on each section.

- Must attend the Criminal Justice Training Center Orientation.

- Satisfactory results of a Florida Department of Law Enforcement background check.

- Must be able to meet minimum standards for the Florida Department of Law Enforcement as set forth in Florida Statute 943.

- Be at least 19 years of age prior to graduation of program.

- Be a citizen of the United States.

- High School Diploma or GED.

- Not have been convicted of any felony, or of a misdemeanor involving perjury or false statement.

- Any person who after July 1, 1981, pleads guilty or nolo-contendere to, or is found guilty of a felony or of a misdemeanor involving

perjury or false statement shall not be eligible for employment or appointment as an officer, notwithstanding suspension of sentence or withholding of adjudication.

- Never have received a dishonorable discharge from any of the Armed Forces of the United States.

- Be of good moral character.

- Currently possess a valid Driver's License.

- Must be able to pass a physical examination by a licensed physician to include an EKG and drug screen.

- Students will be held accountable for the policy and procedures of the Criminal Justice Training Center Program as outlined in the CJTC student policy/rule book, as well as the college student handbook.

- Students will be required to wear uniforms.

Program Specific Courses

Course	Title	VOC HRS
CJK0300	Introduction to Corrections	1.07
CJK0305	CJSTC Communications	1.33
CJK0310	Officer Safety	0.40
CJK0315	Facility and Equipment	0.40
CJK0320	Intake and Release	0.60
CJK0325	Supervising in a Correctional Facility	1.33
CJK0330	Supervising Special Populations	0.67
CJK0335	Responding to Incidents and Emergencies	0.53
CJK0340	Officer Wellness and Physical Abilities	1.00
CJK0051	Criminal Justice Defensive Tactics	2.67
CJK0040	CMS Criminal Justice Firearms	2.67
CJK0031	CMS First Aid for Criminal Justice Officers	1.33

Sample Program of Study

Course	Title	VOC HRS
CJK0300	Introduction to Corrections	1.07
CJK0305	CJSTC Communications	1.33
CJK0310	Officer Safety	0.40
CJK0315	Facility and Equipment	0.40
CJK0320	Intake and Release	0.60
CJK0325	Supervising in a Correctional Facility	1.33
CJK0330	Supervising Special Populations	0.67
CJK0335	Responding to Incidents and Emergencies	0.53
CJK0340	Officer Wellness and Physical Abilities	1.00
CJK0051	Criminal Justice Defensive Tactics	2.67
CJK0040	CMS Criminal Justice Firearms	2.67
CJK0031	CMS First Aid for Criminal Justice Officers	1.33

TOTAL	VOC. CRS.	**14.00**
TOTAL	CONTACT HRS.	**420.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Cosmetology

Program Information

Vocational Certificate - Code 1084 - Catalog 2012/2013
Barbara Petrock, Chair, Daytona Campus, petrocb@daytonastate.edu
Cornelia Popp, Assistant Chair, Deltona Campus, 386-789-7345, poppc@daytonastate.edu
Mary Bruno, AVP, 386-506-3618, brunom@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the cosmetology program is to provide the knowledge and skills necessary to becoming a successful licensed cosmetologist.

Description:
The program provides the student with the technical knowledge and skills necessary for entry-level employment in the cosmetology field. The curriculum incorporates the industry's most advanced training and educational systems. Students learn state of the art techniques for cutting, styling, creative hair coloring, skin care treatment and much more. Specialized classroom activities include intensive studies of cosmetology law, ethics, cosmetic chemistry, hair styling, manicure/pedicure, salon management and other information related to the occupation. Skill and technical knowledge are acquired through planned, supervised lab activities. Students use hair mannequins to perform initial exercises and perform cosmetic services upon clients in the college salon.

Outcomes:
Graduates of the program will be able to:
1. Prepare students for employment as licensed cosmetologists upon successfully obtaining a cosmetology license.
2. Provide integrated theory and skill based training that includes but is not limited to communication, leadership, human relations and employabilty skills; safe and efficient work practices; Florida cosmetology laws and regulations; acquisition of knowledge of cosmetology and the related chemistry, bacteriology, anatomy and physiology.
3. Produce students with high levels of skill in hair care including design, styling, braiding, texturizing and color; skin care including hair removal, facials and the art of make-up; nail care including manicuring, pedicuring, nail tips and acrylics and the development of skill in performing the manipulative and electrical techniques required in the practice of cosmetology occupations.
4. Develop students who can solve problems using critical thinking skills, creativity and innovation and use oral and written communication skills in creating, expressing and interpreting information and ideas.
5. Demonstrate broad transferable skills that stress understanding and proficiency in the following elements of the cosmetology industry;

planning, management, finance, technical and production skills, entrepreneurship skills and professional ethics and legal responsibilities.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,357*
Access Fee: $316 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $876
Textbook (new): $275

Students may purchase other supplies ranging in price from $350 to $450 depending on brand selection and items purchased.

*In-state tuition only: out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.
3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

Major 1084: Cosmetology
CIP Code (6 digit): 12.0401

Program Length: The typical length of this program is one (1) year/three (3) semesters for a full-time student, with 70% graduating within 1 year/3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 67%.

12.0401 Cosmetology/Cosmetologist, General
39-5012.00 Hairdressers, Hairstylists, and Cosmetologists http://www.onetonline.org/link/summary/39-5012.00 Bright Outlook
39-5091.00 Makeup Artists, Theatrical and Performance http://www.onetonline.org/link/summary/39-5091.00
39-5092.00 Manicurists and Pedicurists http://www.onetonline.org/link/summary/39-5092.00
39-5094.00 Skin Care Specialists http://www.onetonline.org/help/bright/39-5094.00

For additional information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=395012&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
COS0080L	Cosmetology I Lab	8.00	
COS0081L	Cosmetology II Lab	8.00	*Pre-Reqs: COS0080L*
COS0082L	Cosmetology III Lab	8.00	*Pre-Reqs: COS0080L AND COS0081L*
COS0083L	Cosmetology IV Lab	8.00	*Pre-Reqs: COS0080L AND COS0081L AND COS0082L*
COS0084L	Cosmetology V Lab	8.00	*Pre-Reqs: COS0081L AND COS0080L AND COS0082L AND COS0083L*

Sample Program of Study

Course	Title	VOC HRS	
... ...	**1st Semester**		
COS0080L	Cosmetology I Lab	8.00	
COS0081L	Cosmetology II Lab	8.00	*Pre-Reqs: COS0080L*
... ...	**2nd Semester**		
COS0082L	Cosmetology III Lab	8.00	*Pre-Reqs: COS0080L AND COS0081L*
COS0083L	Cosmetology IV Lab	8.00	*Pre-Reqs: COS0080L AND COS0081L AND COS0082L*
... ...	**3rd Semester**		
COS0084L	Cosmetology V Lab	8.00	*Pre-Reqs: COS0081L AND COS0080L AND COS0082L AND COS0083L*

| **TOTAL** | VOC. HRS. | **40.00** |
| **TOTAL** | CONTACT HRS. | **1200.00** |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Criminal Justice Technology Bridge (Limited Access Programs)

Program Mission, Description, and Outcomes

Mission:
The mission of the Criminal Justice Technology Bridge Program is to provide students the knowledge, skills and practices necessary for a successful career in the Criminal Justice Field.

Description:
The Criminal Justice Training Center offers an associate of science degree bridge program that allows law enforcement and correctional officers who have been certified in compliance with the Criminal Justice Standards and Training Commission, to transfer vocational credits earned in their academy to college credit. The program will prepare officers for promotion to a supervisory capacity and meets the qualifications for salary incentives. Non certified individuals may also be eligible for enrollment in the program if their intention is to become state certified at a later date.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate skills necessary for employment in a criminal justice police or corrections agency and/or promotion within their existing agency.
2. Identify the role duties and responsibilities of each type of criminal justice agency including law enforcement, the courts and corrections.
3. Analyze and respond positively to the problems and demands placed upon criminal justice agencies, and communities that are experiencing high crime rates, violence, and related social problems.
4. Exhibit competence in both written and oral communication both within their agency, the court system and the citizens in the community.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Students should contact the Criminal Justice Training Center for approximate costs of lab fees and textbooks.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 18 Credits**		
... ...	**Communications Core (9 Credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 Credits)**		
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
... ...	**Behavioral & Social Sciences Core (3 Credits)**		
PSY1012	General Psychology **OR**		*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**	SEM	

		HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS
CCJ1010	Introduction to Criminology	3.00
CCJ1020	Introduction to Criminal Justice	3.00
CJC1000	Introduction to Corrections	3.00
CJJ2002	Juvenile Delinquency	3.00
SLS2304	Career Exploration	1.00

	Criminal Justice Electives (Choose 2)	SEM HRS
CCJ2949	Cooperative Education Experience in Criminal Justice	3.00
CCJ2949	Cooperative Education Experience in Criminal Justice	3.00
CCJ2930	Selected Topics in Criminal Justice	3.00
CCJ2647	Organized Crime	3.00
CJT2100	Criminal Investigation	3.00
CJE1670	Crime Scene Investigation	3.00

Specializations

Course   Title

	Advanced Standing Courses	SEM HRS
... ...	**CJD2990 Criminal Justice Bridge Transition**	27.00

Sample Program of Study

Course   Title

	First Year - 1st Semester	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
CCJ1010	Introduction to Criminology	3.00	
CJC1000	Introduction to Corrections	3.00	

... ...	**2nd Semester**		
		SEM HRS	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
... ...	**Criminal Justice Elective**	3.00	
CCJ1020	Introduction to Criminal Justice	3.00	

... ...	**3rd Semester**		
		SEM HRS	
PSY1012	General Psychology **OR**		*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*
... ...	**Criminal Justice Elective**	3.00	
CJJ2002	Juvenile Delinquency	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
SLS2304	Career Exploration	1.00	
TOTAL	...	**64.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

<u>**Notes**</u>

1. CJC 1000 meets the graduation requirement for the basic use of computers for this program.

Culinary Management

Program Mission, Description, and Outcomes

Mission:
The Culinary Management Program at Daytona State College is committed to providing a quality education incorporating both theory and practice in order to prepare professionally responsible and capable individuals who will demonstrate value to employers within the hospitality industry. Additionally, our mission is to provide the hospitality industry with leaders who will make meaningful contributions to both the industry and their communities.

Description:
This program provides students with the necessary food service skills and culinary skills for an entry-level position as a restaurant cook, chef (restaurants, hotels, clubs, large industrial kitchens) or a food service manager. The curriculum is designed to give the student a solid foundation of cooking skills. Students also are taught sanitation and safety, basic nutrition, supervision of personnel, purchasing, food and beverage service and cost control. With this base, graduates should be successful in any environment that requires basic or advanced knowledge of food preparation and handling.

Graduates of this program are eligible to enroll in Daytona State's Bachelor of Applied Science in Supervision and Management Program. Call (386) 506-4BAS or e-mail BASinfo@DaytonaState.edu for details.

Outcomes:
Graduates of the program will be able to:
1. Define the organization and layout of a foodservice operation.
2. Apply and supervise others on the principles of sanitation and safety.
3. Use learned knife skills in the preparation of meats and vegetables.
4. Prepare meats, fish, poultry, vegetables and fruits utilizing a wide variety of cooking methods.
5. Demonstrate professionalism that is appropriate to the industry.
6. Apply basic management principles demanded within the industry.
7. Discuss and identify indigenous ingredients common to various international cuisines.
8. Prepare and discuss dishes reflective of a variety of cuisines, both international and domestic.
9. Demonstrate basic professional food preparation in organized manner.
10. Identify and utilize food service equipment and tools.
11. Prepare complex contemporary recipes for table and banquet service.
12. Demonstrate contemporary plating techniques.
13. Analyze food dishes for nutritional content.
14. Prepare baked items including, but not limited to, quick breads, yeasted breads, pies, tarts, cookies, laminated doughs, choux pastry,

creams, custards, dessert sauces and frozen desserts.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Lab Fees charged for each Food Production Course for food costs: $150
Uniforms: $150

Professional Cutlery: $260

Additional Admission Requirements
- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course depending upon college placement test scores.

- All Program Specific Courses require a grade of "C" or better.

Careers
Restaurant Cook, Chef, Food Service Manager, Baker. Work in the industry in restaurants, hotels, country clubs, resorts, industrial kitchens.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Course   **Title**

... ...   **General Education Core - 15 Credits**
... ...   **Communications Core (6 credits)**

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ...   **Mathematics Core (3 credits)**
... ...   **Choose One Course**

		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

... ...   **Behavioral & Social Sciences Core (3 credits)**
... ...   **Choose One Course**

		SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ...   **Humanities, Cultural & Aesthetic Core (3 credits)**
... ...   **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course   **Title**

... ...   **Program Specific Courses**

		SEM HRS	
FOS1201	Sanitation and Safety	3.00	
FSS1063	Baking	2.00	*Pre-Reqs: FOS1201 Conc-Reqs: FSS1063L*
FSS1063L	Baking Lab	1.00	*Conc-Reqs: FSS1063*
FSS1202₁	Food Production I	2.00	*Co-Reqs: FOS1201 Conc-Reqs: FSS1202L*
FSS1202L	Food Production I Lab	1.00	*Conc-Reqs: FSS1202*
FSS1222₂	Food Production II	2.00	*Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L*
FSS1222L	Food Production II Lab	1.00	*Conc-Reqs: FSS1222*
FSS1240₃	Contemporary American Cuisine	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS1240L*
FSS1240L	Contemporary American Cuisine Lab	1.00	*Conc-Reqs: FSS1240*
FSS1242₃	International Cuisine	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS1242L*
FSS1242L	International Cuisine Lab	1.00	*Conc-Reqs: FSS1242*
FSS2210₃	Food Production III	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS2210L*
FSS2210L	Food Production III Lab	1.00	*Conc-Reqs: FSS2210*
FSS2284₃	Catering and Buffet Management	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS2284L*
FSS2284L	Catering and Buffet Management Lab	1.00	*Conc-Reqs: FSS2284*
HFT1000	Introduction to Hospitality Industry	3.00	
HFT1820	Purchasing for Hospitality	3.00	
HFT1940₃	Hospitality Practicum I (Basic)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L*

HFT1940L	Hospitality Practicum I Lab (Basic)	1.00	*Conc-Reqs: HFT1940*
HFT1941*3*	Hospitality Practicum II (Intermediate)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT1941L*
HFT1941L	Hospitality Practicum II Lab (Intermediate)	1.00	*Conc-Reqs: HFT1941*
HFT2282	Hospitality Supervision	3.00	
HFT2454*4*	Food and Beverage Cost Control	3.00	*Pre-Reqs: MAT1033*
HFT2942*3*	Hospitality Practicum III (Advanced)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT2942L*
HFT2942L	Hospitality Practicum III Lab (Advanced)	1.00	*Conc-Reqs: HFT2942*
HUN1203	Culinary Nutrition	3.00	

... ...	**Additional Required Courses (1 credit)**		
		SEM HRS	
LIS2004	Introduction to Internet Research **OR**		
OST1141	Keyboarding	1.00	

Sample Program of Study

Course   **Title**

... ...	**FIRST YEAR**		
... ...	**1st Semester**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
FOS1201	Sanitation and Safety	3.00	
HFT1000	Introduction to Hospitality Industry	3.00	
FSS1202*1*	Food Production I	2.00	*Co-Reqs: FOS1201 Conc-Reqs: FSS1202L*
FSS1202L	Food Production I Lab	1.00	*Conc-Reqs: FSS1202*
FSS1222*2*	Food Production II	2.00	*Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L*
FSS1222L	Food Production II Lab	1.00	*Conc-Reqs: FSS1222*

... ...	**2nd Semester**		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core**	3.00	
FSS1063	Baking	2.00	*Pre-Reqs: FOS1201 Conc-Reqs: FSS1063L*
FSS1063L	Baking Lab	1.00	*Conc-Reqs: FSS1063*
HFT1940*3*	Hospitality Practicum I (Basic)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L*
HFT1940L	Hospitality Practicum I Lab (Basic)	1.00	*Conc-Reqs: HFT1940*

... ...	**Summer Semester**		
		SEM HRS	
HUN1203	Culinary Nutrition	3.00	
FSS2284*3*	Catering and Buffet Management	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS2284L*
FSS2284L	Catering and Buffet Management Lab	1.00	*Conc-Reqs: FSS2284*

... ...	**SECOND YEAR**		
... ...	**1st Semester**		
		SEM HRS	
... ...	**Behavioral & Social Sciences Core**	3.00	
FSS1240*3*	Contemporary American Cuisine	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS1240L*
FSS1240L	Contemporary American Cuisine Lab	1.00	*Conc-Reqs: FSS1240*
FSS1242*3*	International Cuisine	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS1242L*
FSS1242L	International Cuisine Lab	1.00	*Conc-Reqs: FSS1242*
HFT2282	Hospitality Supervision	3.00	
HFT2454*4*	Food and Beverage Cost Control	3.00	*Pre-Reqs: MAT1033*
LIS2004	Introduction to Internet Research **OR**		
OST1141	Keyboarding	1.00	

... ...	**2nd Semester**		
		SEM HRS	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
FSS2210*3*	Food Production III	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS2210L*

FSS2210L	Food Production III Lab	1.00	*Conc-Reqs: FSS2210*
HFT1820	Purchasing for Hospitality	3.00	
HFT1941	Hospitality Practicum II (Intermediate)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT1941L*
HFT1941L	Hospitality Practicum II Lab (Intermediate)	1.00	*Conc-Reqs: HFT1941*
HFT2942*3*	Hospitality Practicum III (Advanced)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT2942L*
HFT2942L	Hospitality Practicum III Lab (Advanced)	1.00	*Conc-Reqs: HFT2942*

TOTAL ...   **64.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Co-Req Course FOS1201
2. Pre-Res Course FSS1202
3. Advanced Class must have completed FSS1222 prior to registering for this course
4. Student should complete and pass the mathematics core requirement prior to registering for this class

Culinary Operations - Baking and Pastry Specialization

Program Mission, Description, and Outcomes

Mission:
The Culinary Operations - Baking and Pastry Specialization Program at Daytona State College is committed to providing a quality education incorporating both theory and practice in order to prepare professionally responsible and capable individuals who will demonstrate value to employers within the hospitality industry. Additionally, our mission is to provide the hospitality industry with leaders who will make meaningful contributions to both the industry and their communities.

Description:
This program will prepare students for employment in the retail and wholesale bakery segment of the food service industry. This program is designed to teach students specific skills in the techniques and methods of planning, and production of baked goods. Students will learn industry standards of quality and quantity. An additional bonus for students in the Culinary Management AS program, if they choose to complete the Baking & Pastry Certificate, is the increased marketability of this additional skill set.

Outcomes:
Graduates of the program will be able to:
1. Prepare students to enter into entry-level positions within the wholesale and/or retail bakery segment within the foodservice industry.
2. Meet the needs of all students, traditional and non-traditional, by providing a curriculum that not only addresses industry needs, but supports the students' growth within the college community.
3. Provide students with an educational environment that encourages critical thinking and problem solving and encourages active learning to take place.
4. Promote ethical decision making through conscientious action toward peers, the college, the community, environmental issues and multicultural understanding.

5. Create an atmosphere that fosters student retention and encourages progress towards completion of their certification.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $1,678*
Access Fee: $158 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $1,200
Textbook Estimate: $285
Uniform: $150
Pastry Kit: $260

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grants, loans and work programs available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.

3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers

Baker, Pastry Chef, Wedding Cake Specialist, Retail or Wholesale Bakeshop Manager.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 43% graduating within 3 semesters for 2011-12. The

Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 67%.

For additional career information, please see:
http://www.onetonline.org/link/summary/51-3011.00

For additional information on wages, trends and career videos:
http://www.careerinfonet.org/occ_rep.asp?
next=occ_rep&Level=&optstatus=111111111&jobfam=51&id=1&nodeid=2&soccode=513011&stfips=12&x=34&y=16

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
HMV0103	Pastry I	2.50	
HMV0104¹	Advanced Pastry	2.50	*Pre-Reqs: HMV0103*
FSS0070	Artisan Breads	2.50	
FSS0071	Cakes and Petit Fours	2.50	
FSS0072²	Desserts Production and Presentation	2.50	*Pre-Reqs: HMV0104*
FSS0291²	Chocolate and Pastillage and Sugar	2.50	*Pre-Reqs: HMV0104*
HMV0145²	Wholesale Bakeshop Production	2.50	*Pre-Reqs: HMV0104*
HMV0146³	Retail Bakeshop Production	2.50	*Pre-Reqs: FSS0071*

Sample Program of Study

Course	Title	VOC HRS	
... ...	**First Semester**		
HMV0103	Pastry I	2.50	
HMV0104	Advanced Pastry	2.50	*Pre-Reqs: HMV0103*
FSS0070	Artisan Breads	2.50	
... ...	**Second Semester**	VOC HRS	
FSS0071	Cakes and Petit Fours	2.50	
FSS0072	Desserts Production and Presentation	2.50	*Pre-Reqs: HMV0104*
FSS0291	Chocolate and Pastillage and Sugar	2.50	*Pre-Reqs: HMV0104*
... ...	**Summer Semester**	VOC HRS	
HMV0145	Wholesale Bakeshop Production	2.50	*Pre-Reqs: HMV0104*
HMV0146	Retail Bakeshop Production	2.50	*Pre-Reqs: FSS0071*

| **TOTAL** | VOC. HRS. | **20.00** |
| **TOTAL** | CONTACT HRS. | **600.00** |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1 In order for the student to register in HMV0104 they must complete HMV0103.

2 Student must complete HMV0104 prior to registering for FSS0072, FSS0291 and HMV0145.

3 Student must complete FSS0071 prior to registering for HMV0146.

Dental Assisting (Limited Access Program)

Program Information

Vocational Certificate - Code 1148/1048 - Catalog 2012/2013
Leslie Fehl, Assistant Chair, 386-506-3758, fehll@daytonastate.edu
Pamela Ridilla, Chairperson, 386-785-2093, ridillp@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Dental Assisting Program is to provide a safe and supportive learning environment that will prepare students to be professional, ethical, and competent members of the dental health team.

Description:
This program teaches students to pass and receive dental instruments; expose, process, and mount dental radiographs; provide oral health care instructions; mix various dental materials; maintain patient records and order supplies; manage recare maintenance systems; prepare instruments for sterilization; and acquire knowledge of infection control practices. Dental assistants are professional members of the dental health team who can perform minor laboratory and basic business office procedures. Upon completion of the program, students are eligible to take the Dental Assisting National Board examination to obtain certification as a Certified Dental Assistant (CDA).

The Dental Assisting Program is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the United States Department of Education. The Commission can be contacted at (312)440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611.

Outcomes:
Graduates of the program will be able to:
1. Review health histories and obtain vital signs, systemically collect diagnostic data, utilize the principles of four-handed dentistry, perfom minor laboratory procedures, and provide oral health education.
2. Perform a variety of clinical supportive treatments.
3. Demonstrate basic business office procedures.
4. Execute radiation safety measures, take diagnostically acceptable radiographs on patients, and expose and process radiographs on a variety of patients.
5. Manage asepsis utilizing infection and hazard control protocols consistent with published professional guidelines.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $4,336*
Access Fee: $371 ($7.90 per credit)
Assessment Fee: $30
Lab Fees (including liability insurance): $252
Textbooks: $838
Uniforms and Lab Supplies: $329
American Dental Assistants Association Student Membership: $40
Class Pin and Composite Picture: $70
Dental Assisting National Board Examination: $375
Health Screening and Immunizations (depends on applicant's health care provider): $275
Basic Life Support Certification: $50
Florida Department of Law Enforcement/Federal Bureau of Investigation Background Check: $90

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- This is a Limited Access Program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the two required courses listed below.

- High school diploma or equivalent (GED).

- Score on the placement test for vocational certification programs (TABE) indicating reading, language, and math skills at a 10th grade level or higher.

- Completion of the following courses with a grade of "C" or better is required before submitting an application for continuing enrollment: DEA 0000 Introduction to Dental Assisting (online course offered during Spring and Summer A semesters only) and SLS 1122 Dynamics of Student Success. Also, completion of a minimum of eight (8) observation hours in a dental facility is required before submitting an application for continuing enrollment.

- Cumulative grade point average of 2.0 or better to apply for continuing enrollment.

- Recommend taking a course in basic computer skills, medical terminology, as well as general biology or anatomy and physiology before entering the program (if these courses were not taken previously in high school).

- Submit completed School of Dental Sciences application for continuing enrollment to the Academic Advisor in the College of Health, Human, and Public Services.

- Students are approved for continuing enrollment based on specific admission criteria.

- Applicants with higher cumulative GPAs and successful completion of all prerequisite and corequisite courses will be considered more favorably for continuing enrollment.

- Completion of health screening to include: recent physical examination; verification of immunization against tetanus-diphtheria, measles, mumps, rubella, and Hepatitis B; and negative test for tuberculosis is required prior to enrolling in program specific courses.

- Basic Life Support (BLS) certification for the Health Care Provider to include adults, infant, children, and automatic external defibrillator (AED); through the American Heart Association or the American Red Cross is required prior to enrolling in program specific courses.

- Admission into the program will be contingent on the satisfactory completion of both a drug screen and background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI). This must be completed prior to the first day of program specific classes.

- All program general education and dental assisting courses must be completed with a grade of "C" or better.

- OST 1330 Business English is an acceptable prerequisite course for SPC 2608 Oral Communication/Research/Presentation Skills and INP 1390 Human Relations in the Workplace for this program.

- Students will be held accountable for the policy and procedures of the Dental Assisting Program as outlined in the Dental Assisting Student Policy Handbook as well as the College Student Handbook.

Careers

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 93% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 86%.

For additional career information, please see:

http://www.onetonline.org/link/summary/31-9091.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	

... ...	**General Education Core - 3 Credits**	
... ...	**Communications Core (3 credits)**	
		SEM HRS
SPC2608	Oral Communications/Research/Presentation Skills	3.00 *Pre-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	
		SEM HRS
OST1330	Business English	3.00
SLS1122	Dynamics of Student Success	3.00

INP1390	Human Relations in the Workplace	3.00	*Co-Reqs: ENC1101*
		VOC HRS	
DEA0000	Introduction to Dental Assisting	1.00	
DEA0020	Chairside Assisting I	1.50	*Co-Reqs: DES0002 Pre-Reqs: DEA0000 Conc-Reqs: DEA0020L*
DEA0020L	Chairside Assisting I Lab	2.00	*Co-Reqs: DES0002 Conc-Reqs: DEA0020*
DEA0130	Biomedical Science	2.00	*Co-Reqs: DEA0801 Pre-Reqs: DEA0000 AND DES0002*
DEA0801	Chairside Assisting II	1.50	*Pre-Reqs: DES0002 AND DEA0020L AND DEA0020 Conc-Reqs: DEA0801L*
DEA0801L	Chairside Assisting II Lab	2.00	*Pre-Reqs: DEA0020 AND DES0002 AND DEA0020L Conc-Reqs: DEA0801*
DEA0850L	Externship I	8.00	*Pre-Reqs: DEA0020L AND DEA0020 AND DES0205 AND DES0205L*
DEA0851L	Externship II	8.00	*Pre-Reqs: DEA0850L AND DEA0801 AND DEA0801L*
DES0002	Dental Anatomy and Physiology	1.00	*Co-Reqs: DEA0020 AND DEA0020L Pre-Reqs: DEA0000*
DES0103	Dental Materials and Laboratory Procedures	2.00	*Co-Reqs: DEA0020L AND DEA0020 AND DES0002 Pre-Reqs: DEA0000 Conc-Reqs: DES0103L*
DES0103L	Dental Materials and Laboratory Procedures Lab	1.00	*Conc-Reqs: DES0103*
DES0205	Dental Radiology	2.00	*Co-Reqs: DEA0020L AND DEA0020 AND DES0002 Pre-Reqs: DEA0000 Conc-Reqs: DES0205L*
DES0205L	Dental Radiology Lab	1.00	*Conc-Reqs: DES0205*
DES0501	Practice Management	1.00	*Pre-Reqs: DEA0020 AND DEA0020L AND DEA0000*
DES0844	Preventive Dentistry and Nutrition	1.00	*Pre-Reqs: DEA0020 AND DEA0020L AND DES0002*

Sample Program of Study

Course **Title**

... ...	**PREREQUISITE COURSES**		
		SEM HRS	
SLS1122	Dynamics of Student Success	3.00	
		VOC HRS	
DEA0000	Introduction to Dental Assisting	1.00	

... ...	**FALL SEMESTER**		
		SEM HRS	
OST1330	Business English	3.00	
INP1390	Human Relations in the Workplace	3.00	*Co-Reqs: ENC1101*
		VOC HRS	
DEA0020	Chairside Assisting I	1.50	*Co-Reqs: DES0002 Pre-Reqs: DEA0000 Conc-Reqs: DEA0020L*
DEA0020L	Chairside Assisting I Lab	2.00	*Co-Reqs: DES0002 Conc-Reqs: DEA0020*
DES0002	Dental Anatomy and Physiology	1.00	*Co-Reqs: DEA0020 AND DEA0020L Pre-Reqs: DEA0000*
DES0103	Dental Materials and Laboratory Procedures	2.00	*Co-Reqs: DEA0020L AND DEA0020 AND DES0002 Pre-Reqs: DEA0000 Conc-Reqs: DES0103L*
DES0103L	Dental Materials and Laboratory Procedures Lab	1.00	*Conc-Reqs: DES0103*
DES0205	Dental Radiology	2.00	*Co-Reqs: DEA0020L AND DEA0020 AND DES0002 Pre-Reqs: DEA0000 Conc-Reqs: DES0205L*
DES0205L	Dental Radiology Lab	1.00	*Conc-Reqs: DES0205*

... ...	**SPRING SEMESTER**		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
		VOC HRS	
DEA0130	Biomedical Science	2.00	*Co-Reqs: DEA0801 Pre-Reqs: DEA0000 AND DES0002*
DEA0801	Chairside Assisting II	1.50	*Pre-Reqs: DES0002 AND DEA0020L AND DEA0020 Conc-Reqs: DEA0801L*
DEA0801L	Chairside Assisting II Lab	2.00	*Pre-Reqs: DEA0020 AND DES0002 AND DEA0020L Conc-Reqs: DEA0801*
DEA0850L	Externship I	8.00	*Pre-Reqs: DEA0020L AND DEA0020 AND DES0205 AND DES0205L*
DES0501	Practice Management	1.00	*Pre-Reqs: DEA0020 AND DEA0020L AND DEA0000*
DES0844	Preventive Dentistry and Nutrition	1.00	*Pre-Reqs: DEA0020 AND DEA0020L AND DES0002*

... ...	**SUMMER SEMESTER (Term A - Six Weeks)**		
		VOC HRS	

DEA0851L Externship II   8.00   *Pre-Reqs: DEA0850L AND DEA0801 AND DEA0801L*

TOTAL	SEM. HRS.	**12.00**
TOTAL	VOC. HRS.	**35.00**
TOTAL	CONTACT HRS.	**1230.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Dental Hygiene (Limited Access Program)

Program Mission, Description, and Outcomes

Mission:
The mission of the Dental Hygiene Program is to provide a safe and supportive environment that will prepare students to be professional, ethical, and competent members of the dental health team.

Description:
Students are taught to remove deposits from tooth surfaces; provide methods of oral physiotherapy; expose, process, mount, and interpret dental radiographs; provide oral health education as well as acquire knowledge in methods of infection control practices. Dental hygienists are licensed professionals, who under the supervision of a licensed dentist, provide oral health care services and treatment in dental offices and public health facilities. During the last semester of this program, students are eligible to take the National Board Dental Hygiene Examination. Upon successfully passing the National Board Dental Hygiene Examination and graduating from the program, graduates are eligible to take state/regional licensure examinations.

The Dental Hygiene Program is accedited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the United States Department of Education. The Commission can be contacted at (312)440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611.

Outcomes:
Graduates of the program will be able to:
1. Apply the dental hygiene process of care and problem solving strategies to provide dental hygiene care for patients of all age groups, medically compromised, and all types of periodontal disease classifications.
2. Demonstrate interpersonal and communications skills to effectively interact with diverse population groups.
3. Apply ethical, legal, and regulatory concepts to the provision and/or support of oral health care services.
4. Apply self-assessment skills to prepare for life-long learning as a foundation for maintaining competency and quality assurance.
5. Evaluate current scientific literature as a basis for life-long learning, evidence-based practice and as a foundation for adapting to changes in health care.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $9,416*
Access Fee: $695 ($7.90 per credit)
Assessment Fee: $30
Lab Fees (including liability insurance): $918
Textbooks: $2,154
Uniforms and Supplies: $345
Instrument Kits, Clinical Supplies, and Tooth Model: $2,460
American Dental Hygienists' Association Student Membership: $160
National Board Dental Hygiene Review Course: $400
National Board Dental Hygiene Examination: $400
Class Pin and Composite Picture: $120
Florida Dental Hygiene Licensure Board Examination: $1,200
Health Screening and Immunizations (depends on applicant's health care provider): $275
Basic Life Support Certification: $50
Florida Department of Law Enforcement/Federal Bureau of Investigation Background Check: $90

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- This is a Limited Access Program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the required general education courses.

- Completion of the following courses with a grade of "C" or better is required before submitting an application for continuing enrollment: ENC 1101 College Composition; MAC 1105 College Algebra; BSC 1085/1085L Human Anatomy and Physiology I and Lab; BSC 1086/1086L Human Anatomy and Physiology II and Lab; and CHM 1025/1025L Introduction to Chemistry and Lab.

- A cumulative grade point average of 2.5 or better is the minimum required for consideration for continuing enrollment.

- Applicants for continuing enrollment who have graduated within a three-year time frame from an accredited (Commission on Dental Accreditation) dental assisting program may receive credit for: DES 1100/1100L Elements of Dental Materials and Lab; DES 1200/1200L Dental Radiology and Lab; and DES 1832L Expanded Functions for the Dental Hygienist. Transfer of credit for these courses will be at the discretion of the Chairperson.

- Submit completed School of Dental Sciences application for continuing enrollment to the Academic Advisor in the College of Health, Human, and Public Services between February 1st and February 28th.

- Students are approved for continuing enrollment based on specific admission criteria.

- Applicants with cumulative GPAs of 3.5 or better and successful completion of all prerequisite and corequisite courses will be considered more favorably for continuing enrollment.

- Completion of health screening to include: recent physical examination; verification of immunization against tetanus-diphtheria, measles, mumps, rubella and Hepatitis B; and negative test for tuberculosis is required prior to enrolling in program specific courses.

- Basic Life Support (BLS) certification for the Health Care Provider to include adults, infant, children, and automatic external defibrillator (AED); through the American Heart Association or the American Red Cross is required prior to enrolling in program specific courses.

- Admission into the program will be contingent on the satisfactory completion of both a drug screen and background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI). This must be completed prior to the first day of program specific classes.

- All program general education and dental hygiene courses must be completed with a grade of "C" or better.

- Students will be held accountable for the policy and procedures of the Dental Hygiene Program as outlined in the Dental Hygiene Student Policy Handbook as well as the College Student Handbook.

General Education Courses

Course	Title		
... ...	**General Education Core - 26 Credits**		
... ...	**Communications Core (6 credits)**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
... ...	**Sciences Core (8 credits)**		
		SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
... ...	**Behavioral & Social Sciences Core (3 credits)**		
		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
... ...	**Health & Wellness Core (3 credits)**		
		SEM HRS	
HUN1201	Human Nutrition	3.00	
... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**		
		SEM	

AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

... ... **Additional Required Courses - 11 Credits**

SEM HRS

CHM1025	Introductory to Chemistry	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
CHM1025L	Introduction to Chemistry Lab	1.00	*Conc-Reqs: CHM1025*
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title		

SEM HRS

DEH1002	Preclinical Dental Hygiene	2.00	*Pre-Reqs: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086 Conc-Reqs: DEH1002L*
DEH1002L	Preclinical Dental Hygiene Lab	2.00	*Pre-Reqs: BSC1086L AND BSC1086 AND BSC1085 AND BSC1085L Conc-Reqs: DEH1002*
DEH1133	Orofacial Anatomy and Physiology	3.00	*Pre-Reqs: BSC1086L AND BSC1085 AND BSC1086 AND BSC1085L*
DEH1602	Periodontology	3.00	*Pre-Reqs: DEH1002 AND DEH1002L AND DES1840*
DEH1800	Clinical Dental Hygiene I	2.00	*Co-Reqs: DEH1800L Pre-Reqs: DEH1002 AND DES1840 AND DEH1002L*
DEH1800L	Dental Hygiene Clinic I	2.00	*Co-Reqs: DEH1800 Pre-Reqs: DEH1002 AND DEH1002L AND DES1200L AND DES1200*
DEH1802	Clinical Dental Hygiene II	2.00	*Co-Reqs: DEH1802L Pre-Reqs: DEH1800 AND DEH1800L*
DEH1802L	Dental Hygiene Clinic II	2.00	*Co-Reqs: DEH1802 Pre-Reqs: DEH1800L AND DEH1800*
DEH2300	Pharmacology	2.00	*Pre-Reqs: BSC1086 AND CHM1025L AND BSC1086L AND CHM1025*
DEH2400	General and Oral Pathology	2.00	*Pre-Reqs: DEH1602 AND BSC1086L AND BSC1086*
DEH2702	Community Dental Health	2.00	*Pre-Reqs: DEH1602 AND DEH2804 OR DEH2602 Conc-Reqs: DEH2702L*
DEH2702L	Community Dental Health Lab	1.00	*Pre-Reqs: DEH1602 AND DEH2804 OR DEH2602 Conc-Reqs: DEH2702*
DEH2804	Clinical Dental Hygiene III	2.00	*Co-Reqs: DEH2804L Pre-Reqs: DEH1802 AND DEH1802L*
DEH2804L	Dental Hygiene Clinic III	3.00	*Co-Reqs: DEH2804 Pre-Reqs: DEH1802L AND DEH1802*
DEH2806	Clinical Dental Hygiene IV	2.00	*Co-Reqs: DEH2806L Pre-Reqs: DEH2804 AND DEH2804L*
DEH2806L	Dental Hygiene Clinic IV	3.00	*Co-Reqs: DEH2806 Pre-Reqs: DEH2804 AND DEH2804L*
DES1010	Head and Neck Anatomy	2.00	*Pre-Reqs: DEH1133*
DES1054	Pain Control and Anesthesia	2.00	*Pre-Reqs: DES1010*
DES1100	Elements of Dental Materials	2.00	*Pre-Reqs: DES1832L AND CHM1025 AND CHM1025L OR DES2832L Conc-Reqs: DES1100L*
DES1100L	Elements of Dental Materials Lab	1.00	*Pre-Reqs: DES1832L OR DES2832L Conc-Reqs: DES1100*
DES1200	Dental Radiography	2.00	*Pre-Reqs: BSC1086 AND BSC1086L AND CHM1025L AND CHM1025 Conc-Reqs: DES1200L*
DES1200L	Dental Radiography Lab	1.00	*Pre-Reqs: BSC1086 AND BSC1086L AND CHM1025L AND CHM1025 Conc-Reqs: DES1200*
DES1832L	Expanded Functions for the Dental Hygienist	2.00	*Pre-Reqs: DEH1002 AND DEH1002L AND DEH1133*

| DES1840 | Preventive Dentistry | 2.00 | *Pre-Reqs: BSC1086 AND BSC1086L AND BSC1085L AND BSC1085* |
| DES2600 | Medical and Dental Emergencies | 2.00 | *Pre-Reqs: DEH1802 AND BSC1086 AND BSC1086L* |

Sample Program of Study

Course	Title		

... ...	**PREREQUISITE COURSES**	**SEM HRS**	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
CHM1025	Introductory to Chemistry	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
CHM1025L	Introduction to Chemistry Lab	1.00	*Conc-Reqs: CHM1025*
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*

... ...	**FIRST YEAR: SUMMER SEMESTER (Term B - Six Weeks)**	**SEM HRS**	
DEH1133	Orofacial Anatomy and Physiology	3.00	*Pre-Reqs: BSC1086L AND BSC1085 AND BSC1086 AND BSC1085L*

... ...	**FIRST YEAR: FALL SEMESTER**	**SEM HRS**	
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*
DEH1002	Preclinical Dental Hygiene	2.00	*Pre-Reqs: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086 Conc-Reqs: DEH1002L*
DEH1002L	Preclinical Dental Hygiene Lab	2.00	*Pre-Reqs: BSC1086L AND BSC1086 AND BSC1085 AND BSC1085L Conc-Reqs: DEH1002*
DES1010	Head and Neck Anatomy	2.00	*Pre-Reqs: DEH1133*
DES1200	Dental Radiography	2.00	*Pre-Reqs: BSC1086 AND BSC1086L AND CHM1025L AND CHM1025 Conc-Reqs: DES1200L*
DES1200L	Dental Radiography Lab	1.00	*Pre-Reqs: BSC1086 AND BSC1086L AND CHM1025L AND CHM1025 Conc-Reqs: DES1200*
DES1840	Preventive Dentistry	2.00	*Pre-Reqs: BSC1086 AND BSC1086L AND BSC1085L AND BSC1085*

... ...	**FIRST YEAR: SPRING SEMESTER**	**SEM HRS**	
HUN1201	Human Nutrition	3.00	
DEH1602	Periodontology	3.00	*Pre-Reqs: DEH1002 AND DEH1002L AND DES1840*
DEH1800	Clinical Dental Hygiene I	2.00	*Co-Reqs: DEH1800L Pre-Reqs: DEH1002 AND DES1840 AND DEH1002L*
DEH1800L	Dental Hygiene Clinic I	2.00	*Co-Reqs: DEH1800 Pre-Reqs: DEH1002 AND DEH1002L AND DES1200L AND DES1200*
DES1054	Pain Control and Anesthesia	2.00	*Pre-Reqs: DES1010*
DES1832L	Expanded Functions for the Dental Hygienist	2.00	*Pre-Reqs: DEH1002 AND DEH1002L AND DEH1133*

... ...	**FIRST YEAR: SUMMER SEMESTER (Term A - Six Weeks)**	**SEM HRS**	
DEH1802	Clinical Dental Hygiene II	2.00	*Co-Reqs: DEH1802L Pre-Reqs: DEH1800 AND DEH1800L*
DEH1802L	Dental Hygiene Clinic II	2.00	*Co-Reqs: DEH1802 Pre-Reqs: DEH1800L AND DEH1800*
DES1100	Elements of Dental Materials	2.00	*Pre-Reqs: DES1832L AND CHM1025 AND CHM1025L OR DES2832L Conc-Reqs: DES1100L*
DES1100L	Elements of Dental Materials Lab	1.00	*Pre-Reqs: DES1832L OR DES2832L Conc-Reqs: DES1100*

... ...	**FIRST YEAR: SUMMER SEMESTER**		

(Term B - Six Weeks)

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ... **SECOND YEAR: FALL SEMESTER**

		SEM HRS	
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*
DEH2300	Pharmacology	2.00	*Pre-Reqs: BSC1086 AND CHM1025L AND BSC1086L AND CHM1025*
DEH2400	General and Oral Pathology	2.00	*Pre-Reqs: DEH1602 AND BSC1086L AND BSC1086 OR DEH2602*
DEH2804	Clinical Dental Hygiene III	2.00	*Co-Reqs: DEH2804L Pre-Reqs: DEH1802 AND DEH1802L*
DEH2804L	Dental Hygiene Clinic III	3.00	*Co-Reqs: DEH2804 Pre-Reqs: DEH1802L AND DEH1802*
DES2600	Medical and Dental Emergencies	2.00	*Pre-Reqs: DEH1802 AND BSC1086 AND BSC1086L*

... ... **SECOND YEAR: SPRING SEMESTER**

		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
... ...2	**Humanities, Cultural & Aesthetic Core**	3.00	
DEH2702	Community Dental Health	2.00	*Pre-Reqs: DEH1602 AND DEH2804 OR DEH2602 Conc-Reqs: DEH2702L*
DEH2702L	Community Dental Health Lab	1.00	*Pre-Reqs: DEH1602 AND DEH2804 OR DEH2602 Conc-Reqs: DEH2702*
DEH2806	Clinical Dental Hygiene IV	2.00	*Co-Reqs: DEH2806L Pre-Reqs: DEH2804 AND DEH2804L*
DEH2806L	Dental Hygiene Clinic IV	3.00	*Co-Reqs: DEH2806 Pre-Reqs: DEH2804 AND DEH2804L*

TOTAL ... **88.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

<u>Notes</u>

1. DEH 1602 meets the graduation requirement for the basic use of computers for this program.

2. See list of accepted courses listed under General Education Courses.

Drafting and Design Technology

Program Information

A.S. Certificate - Code 0929 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Roger King, Instructor, 386-506-4144, kingr@daytonastate.edu
Linda Sullivan, 386-506-4155, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Drafting and Design Technology program is to provide the knowledge and skills necessary to progress in the program of study to completion of an Associate of Science certificate.

Description:
The program provides entry-level skills in Drafting and Design Technology for engineering, manufacturing and related disciplines. Instruction covers the various aspects of engineering drawing with specific instruction in 2D and 3D computer aided drafting. Solid modeling is also included to provide specific design and drawing techniques for manufacturing. With the inclusion of general education courses, this certificate can be directly applied toward the Associate of Science degree in Drafting and Design Technology (CAD).

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and skills to follow rules and regulations.
2. Identify and use different tools, equipment, materials and products used in the industry.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to theory, applications and design.
4. Demonstrate knowledge and skill in residential, commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects related to the field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,508*
Access Fee: $190 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $60 or $90 (including electives)
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Program Specific Courses require a "C" or better.

Careers

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is four (4) semesters for a full-time student, with 17% graduating within 4 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

17-3019.00 Drafters, All Other http://www.onetonline.org/link/summary/17-3019.00
17-2051.00 Civil Engineers http://www.onetonline.org/link/summary/17-2051.00
7-2051.01 Transportation Engineers http://www.onetonline.org/link/summary/17-2051.01
17-2051.02 Water/Wastewater Engineers http://www.onetonline.org/link/summary/17-2051.02
17-3012.00 Electrical and Electronics Drafters http://www.onetonline.org/link/summary/17-3012.00
17-3012.01 Electronic Drafters http://www.onetonline.org/link/summary/17-3012.01
17-3012.02 Electrical Drafters http://www.onetonline.org/link/summary/17-3012.02
17-3026.00 Industrial Engineering Technicians http://www.onetonline.org/help/green/17-3026.00

17-3013.00 Mechanical Drafters http://www.onetonline.org/link/summary/17-3013.00

For additional Information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=173019&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
ETD2390	Introduction to Revit Architecture	2.00	*Conc-Reqs: ETD2390L*
ETD2390L	Introduction to Revit Architecture and Lab	1.00	*Conc-Reqs: ETD2390*
ETD2395	Architectural CAD	2.00	*Conc-Reqs: ETD2395L*
ETD2395L	Architectural CAD Lab	1.00	*Conc-Reqs: ETD2395*
ETD2540	Civil Drafting and Surveying (CAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2540L*
ETD2540L	Civil Drafting and Surveying (CAD) Lab	1.00	*Conc-Reqs: ETD2540*
ETG2520	Statics and Strength of Materials	3.00	*Pre-Reqs: MTB1348 OR MAC1105*
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
... ...	**Construction Elective**	3.00	

Elective (3 Hrs) Choose One from the List

Course	Title	SEM HRS	
BCN1253	Architectural Drawing II	2.00	*Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L*
BCN1253L	Architectural Drawing II Lab	1.00	*Conc-Reqs: BCN1253*
IND2608	Sustainable Design	3.00	
ETC2245	Construction Methods	3.00	
IND1211	History of Architecture and Interiors I	3.00	
IND1001	History of Architecture and Interiors II	3.00	
BCN1210	Materials and Processes	3.00	
ETC2207	Construction Planning and Estimating	2.00	*Pre-Reqs: BCN1210 Conc-Reqs: ETC2207L*
ETC2207L	Construction Planning and Estimating Lab	1.00	*Conc-Reqs: ETC2207*
BCN2257	Architectural Detailing	2.00	*Conc-Reqs: BCN2257L*
BCN2257L	Architectural Detailing Lab	1.00	*Conc-Reqs: BCN2257*

Sample Program of Study

Course	Title		

1st Semester

Course	Title	SEM HRS	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*

2nd Semester

Course	Title	SEM HRS	
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
ETD2395	Architectural CAD	2.00	*Conc-Reqs: ETD2395L*
ETD2395L	Architectural CAD Lab	1.00	*Conc-Reqs: ETD2395*
ETD2540	Civil Drafting and Surveying (CAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2540L*
ETD2540L	Civil Drafting and Surveying (CAD) Lab	1.00	*Conc-Reqs: ETD2540*
... ...	**Construction Elective**	3.00	

... ...   3rd Semester

		SEM HRS	
ETG2520	Statics and Strength of Materials	3.00	*Pre-Reqs: MTB1348 OR MAC1105*
ETD2390	Introduction to Revit Architecture	2.00	*Conc-Reqs: ETD2390L*
ETD2390L	Introduction to Revit Architecture and Lab	1.00	*Conc-Reqs: ETD2390*
TOTAL	...	**24.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Drafting and Design Technology (CAD)

Program Information

A.S. Degree - Code 2220 - Catalog 2012/2013
Roger King, Instructor, 386-506-4144, kingr@daytonastate.edu
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Drafting and Design Technology program is to provide students the knowledge and skills necessary to progress in their program of study to completion of an Associate of Science degree.

Description:
The program provides a foundation in the principles of AutoCad, with an emphasis on computer aided drafting (CAD) and 3D computer modeling. Along with a background in engineering drawing, students are provided with specialized courses in autocad, solid modeling, GIS, and 3D computer animation.

Outcomes:
Graduates of the program will be able to:
1. Use design software to structure solutions to respond to needs and solve problems.
2. Illustrate core concepts of the field while executing analytical, practical or creative tasks.
3. Use universal drawing standards to communicate designs effectively.
4. Illustrate contemporary terminology used in the design communities in written and/or spoken communications.
5. Present accurate calculations and symbolic operations and explain how such calculations and operations are used in designs.
6. Describe how knowledge from different cultural perspectives would affect his or her interpretations of needs and solutions.
7. Take an active role in a community context (work, service, co-curricular activities, etc.), and examine the civic issues encountered and the insights gained from the community experience.
8. Consider the influence of contemporary challenges such as sustainable design principles, energy efficiency, and geographical factors on solutions.
9. Examine the influence of diverse positions, historical and contemporary, on a question of field practices and present his or her own position.

Note: This program is eligible for federal financial aid and state bright futures.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
... ...	**Behavioral & Social Sciences Core (3 credits)**		
... ...	**Choose One Course**		
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

Humanities, Cultural & Aesthetic Core (3 credits)
... ... **Choose One Course**

Course	Title	SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
CGS2100	Microcomputer Applications	3.00	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
EGS1111	Engineering Drawing	2.00	*Conc-Reqs: EGS1111L*
EGS1111L	Engineering Drawing Lab	1.00	*Conc-Reqs: EGS1111*
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
ETD2357	Inventor Solid Modeling	2.00	*Conc-Reqs: ETD2357L*
ETD2357L	Inventor Solid Modeling Lab	1.00	*Conc-Reqs: ETD2357*
ETD2364	SolidWorks Solid Modeling	2.00	*Conc-Reqs: ETD2364L*
ETD2364L	SolidWorks Solid Modeling Lab	1.00	*Conc-Reqs: ETD2364*
ETD2377	3D Computer Animation (3D Studio)	2.00	*Conc-Reqs: ETD2377L*
ETD2377L	3D Computer Animation (3D Studio) Lab	1.00	*Conc-Reqs: ETD2377*
ETD2390	Introduction to Revit Architecture	2.00	*Conc-Reqs: ETD2390L*
ETD2390L	Introduction to Revit Architecture and Lab	1.00	*Conc-Reqs: ETD2390*
ETD2465	Tool Design	2.00	*Conc-Reqs: ETD2465L*
ETD2465L	Tool Design Lab	1.00	*Conc-Reqs: ETD2465*
ETD2540	Civil Drafting and Surveying (CAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2540L*
ETD2540L	Civil Drafting and Surveying (CAD) Lab	1.00	*Conc-Reqs: ETD2540*
ETG2520	Statics and Strength of Materials	3.00	*Pre-Reqs: MTB1348 OR MAC1105*
ETG2949	Cooperative Education Experience in Engineering	2.00	
GIS2040	Geographic Information Systems	2.00	*Conc-Reqs: GIS2040L*
GIS2040L	Geographic Information Systems Lab	1.00	*Conc-Reqs: GIS2040*

... ... **Specialized Elective (3 credits)**
... ... **Choose One Course**

Course	Title	SEM HRS	
ETD2395	Architectural CAD	2.00	*Conc-Reqs: ETD2395L*
ETD2395L	Architectural CAD Lab	1.00	*Conc-Reqs: ETD2395*
ETD2368	SolidWorks II	2.00	*Conc-Reqs: ETD2368L*
ETD2368L	SolidWorks II Lab	1.00	*Conc-Reqs: ETD2368*

... ... **Structural Elective (3 credits)**
... ... **Choose One Course**

SEM HRS

BCN1210	Materials and Processes	3.00	
BCN2257	Architectural Detailing	2.00	*Conc-Reqs: BCN2257L*
BCN2257L	Architectural Detailing Lab	1.00	*Conc-Reqs: BCN2257*
ETC2245	Construction Methods	3.00	
IND2608	Sustainable Design	3.00	
IND1001	History of Architecture and Interiors II	3.00	
IND1211	History of Architecture and Interiors I	3.00	
ETC2207	Construction Planning and Estimating	2.00	*Pre-Reqs: BCN1210 Conc-Reqs: ETC2207L*
ETC2207L	Construction Planning and Estimating Lab	1.00	*Conc-Reqs: ETC2207*
BCN1253	Architectural Drawing II	2.00	*Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L*
BCN1253L	Architectural Drawing II Lab	1.00	*Conc-Reqs: BCN1253*

Sample Program of Study

Course	Title

... ...	**First Year**		
... ...	**1st Semester**		

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
CGS2100	Microcomputer Applications	3.00	
EGS1111	Engineering Drawing	2.00	*Conc-Reqs: EGS1111L*
EGS1111L	Engineering Drawing Lab	1.00	*Conc-Reqs: EGS1111*
ETD2357	Inventor Solid Modeling	2.00	*Conc-Reqs: ETD2357L*
ETD2357L	Inventor Solid Modeling Lab	1.00	*Conc-Reqs: ETD2357*

... ...	**2nd Semester**		

		SEM HRS	
... ...	**Mathematics Core**	3.00	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
ETD2465	Tool Design	2.00	*Conc-Reqs: ETD2465L*
ETD2465L	Tool Design Lab	1.00	*Conc-Reqs: ETD2465*
... ...	**Structural Elective**	3.00	

... ...	**Summer Semester**		

		SEM HRS	
... ...	**Behavioral & Social Sciences Core**	3.00	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	

... ...	**Second Year**		
... ...	**1st Semester**		

		SEM HRS	
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
ETD2364	SolidWorks Solid Modeling	2.00	*Conc-Reqs: ETD2364L*
ETD2364L	SolidWorks Solid Modeling Lab	1.00	*Conc-Reqs: ETD2364*
ETD2390	Introduction to Revit Architecture	2.00	*Conc-Reqs: ETD2390L*
ETD2390L	Introduction to Revit Architecture and Lab	1.00	*Conc-Reqs: ETD2390*
ETG2520	Statics and Strength of Materials	2.00	*Pre-Reqs: MTB1348 OR MAC1105*
GIS2040	Geographic Information Systems	2.00	*Conc-Reqs: GIS2040L*
GIS2040L	Geographic Information Systems Lab	1.00	*Conc-Reqs: GIS2040*

... ...	**2nd Semester**		

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
ETD2377	3D Computer Animation (3D Studio)	2.00	*Conc-Reqs: ETD2377L*
ETD2377L	3D Computer Animation (3D Studio) Lab	1.00	*Conc-Reqs: ETD2377*
ETG2949	Cooperative Education Experience in Engineering	2.00	

ETD2540	Civil Drafting and Surveying (CAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2540L*
ETD2540L	Civil Drafting and Surveying (CAD) Lab	1.00	*Conc-Reqs: ETD2540*
... ...	**Specialized Elective**	3.00	
TOTAL	...	**62.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Early Childhood Education Associate Degree

Program Mission, Description, and Outcomes

Mission:

The purpose of this program is to provide students with supplementary training focusing on early childhood development and education.

Description:

The program prepares students to work as child development center teachers, child development center curriculum coordinators, infant-toddler teachers, preschool teachers, child development center managers, or to provide supplementary training for persons previously or currently employed in these occupations. The program includes a core of courses which must be completed by all students and an area of specialization. A pre-admission consultation with the assistant chair is strongly recommended.

Select courses in this program meet the educational requirements for the CDA credential and the Director's Credential. Contact the assistant chair for further information.

Note: In addition to the required courses, students will be required to have a current approved certificate in first aid and infant child and adult CPR. This certificate must be earned in the semester prior to graduation.

Outcomes:

Graduates of the program will be able to:

1. Successfully plan and implement lessons with targeted population of children, using developmentally appropriate curriculum techniques and materials.
2. Utilize appropriate guidance techniques when dealing with targeted population of children.
3. Design units of study, integrating all areas of the curriculum with a developmentally appropriate focus.

4. Demonstrate the responsibilities of an intern in relation to the overall program, to the child care center, to the center student, and to self.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Lab Fees: $45

FDLE Background Screening: $24

Additional Admission Requirements

- Upon entering the program, students should earn a Basic Cardiac Life Support for Health Care Provider and AED through American Heart Association or American Red Cross.

- Program specific courses and general education courses must be completed with a grade 'C' or better.

- Students will be held accountable for the policies and procedures as outlined in the College Student handbook.

General Education Courses

Course	Title		
... ...	**General Education Core - 18 Credits**		
... ...	**Communications Core (6 credits)**	**SEM HRS**	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**	**SEM HRS**	
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR*

MGF2107	Mathematics for Liberal Arts	3.00	*MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033 Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**		
		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

... ...	**Behavioral & Social Sciences Core (6 credits)**		
		SEM HRS	
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*
DEP2004	Developmental Psychology **OR**		*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	
		SEM HRS
CHD1104	Introduction to Early Childhood Education I	3.00
CHD1220	Child Growth and Development	3.00
CHD1430	Observation, Recording and Assessment	3.00
CHD1820	Introduction to Early Childhood Education II	3.00
CHD2320	Curriculum Planning for Early Childhood	3.00
CHD2333	Creative Activities for the Young Child	3.00
CHD2334	Language Arts for the Young Child	3.00
CHD2335	Music and Motor Activities for the Young Child	3.00
CHD2338	Math and Science for the Young Child	3.00
CHD2440	Child Development Practicum	6.00
EEC2401	Home, School and Community	3.00
EEX1600	Classroom Management (Early Childhood)	3.00
EEX2080	Teaching the Exceptional Learner	3.00
HSC1421	Health, Safety and Nutrition for the Young Child	3.00

Specializations

Course	Title

... ...	**CHILD DEVELOPMENT ASSOCIATE (CDA) CREDENTIAL**	
		SEM HRS
CHD1220	Child Growth and Development	3.00

CHD2320 Curriculum Planning for Early Childhood   3.00
CHD2930 Special Topics in Early Childhood   1.00
EEC2401 Home, School and Community   3.00

... ...   **FLORIDA DIRECTOR'S CREDENTIAL**

		SEM HRS
CHD2801	Child Development Management	3.00

... ...   **1st Time Renewal - Take the following class:**

		SEM HRS
EEC2523	Leadership and Management of Child Care Programs	3.00

... ...   **2nd Time Renewal - Take the following class:**

		SEM HRS
EEC2527	Child Care Center Financial and Legal Issues	3.00

Sample Program of Study

Course   Title

... ...   **First Year - 1st Semester - Fall**

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
... ...	**Behavioral & Social Sciences Core**	3.00	
CHD2333	Creative Activities for the Young Child	3.00	
CHD2338	Math and Science for the Young Child	3.00	
EEC2401	Home, School and Community	3.00	

... ...   **2nd Semester - Spring**

		SEM HRS	
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
... ...	**Behavioral & Social Sciences Core**	3.00	
CHD2334	Language Arts for the Young Child	3.00	
CHD2335	Music and Motor Activities for the Young Child	3.00	

... ...   **3rd Semester - Summer**

		SEM HRS
CHD1430	Observation, Recording and Assessment	3.00
EEX1600	Classroom Management (Early Childhood)	3.00

... ...   **Second Year - 1st Semester - Fall**

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
CHD1104	Introduction to Early Childhood Education I	3.00	
CHD1220*l*	Child Growth and Development	3.00	

... ...   **2nd Semester - Spring**

SEM HRS

CHD1820	Introduction to Early Childhood Education II	3.00
CHD2320	Curriculum Planning for Early Childhood	3.00
CHD2440	Child Development Practicum	6.00

... ...	**3rd Semester - Summer**	**SEM HRS**
EEX2080	Teaching the Exceptional Learner	3.00
HSC1421	Health, Safety and Nutrition for the Young Child	3.00

TOTAL	...	**63.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. CHD1220 meets the graduation requirements for the basic use of computers for this program.

Early Childhood Education Apprentice

Program Information

Apprenticeship - Code 1020 - Catalog 2012/2013
Catherine Twyman, Assistant Chair 386-506-3113, 386-506-3113, twymanc@daytonastate.edu
Roger Rowan, Chair 386-506-4171, 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, 386-506-4165, cherryb@daytonastate.edu

04/09/2012 M - 1035

Program Mission, Description, and Outcomes

Mission:
We strive to improve the quality of care and education for young children through extensive classroom and on-the-job training.

Description:
The Early Childhood Education Apprenticeship Program is a state subsidized, two-year program. We strive to improve the quality of childcare in America by giving childcare workers extensive classroom and on-the-job training (OJT). During the program's six semesters students will study first aid, CPR for young children, curriculum for developmentally appropriate activities for young children, 10-hour modules for special needs children, curriculum for infant and toddler, and curriculum for the after school care for school-age children. Students will have the opportunity to do hands-on activities to use with young children at their childcare centers. This program meets Child & Family Services licensing standards of a CDA Equivalency.

In most cases, a great deal of financial resources and energy are required to prepare for your career, but in a registered apprenticeship program, you are paid a progressively increased wage while you learn the occupation. This program is an aggressive step toward addressing what has become one of the most urgent needs of America's working families-quality child care and good wages for child care workers. Books are loaned to the apprentices each semester. Apprentices are required to work a total of 4,000 hours of OJT and 400 class hours for successful completion of the program. Classes are held at Daytona State College's Daytona Campus, at the West Campus in Deland, and South Campus in New Smyrna when there is significant interest.

Outcomes:
Graduates of the program will be able to:
1.Demonstrate knowledge of rules and regulations, which govern all areas of child care operation in the state of Florida.
2.Demonstrate knowledge of principles of child development.
3.Demonstrate knowledge of CPR and Basic Lifesaving.
4.Demonstrate knowledge of developmentally appropriate practices and the guidelines for implementing them into early childhood programs.
5.Demonstrate appropriate guidance techniques.

Note: The length of this program makes it ineligible for federal and state financial aid.

Additional Admission Requirements

THE ENTRY QUALIFICATIONS SHALL INCLUDE:
- Potential apprentices must be 18 years of age or older and employed at child care center.

- Volusia County Child Care Apprenticeship GNJ Committee must select first-year apprentices, before beginning the program.

- High school diploma or GED equivalency is required for admission into the program.

- High school transcripts required. GED grades report required when applicable.

- Must be employed in a Child Care Facility or Family Child Care Home.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:
- Students who have been selected by the committee must be admitted to Daytona State College by completing the Daytona State College Application for Admissions. The College does charge a one-time, non-refundable assessment fee to all students, at the time of initial enrollment.

- Students will be registered for apprenticeship classes and on-the-job training through the appropriate apprenticeship committee.

Careers

Child Development Specialist
Child Care Associate
Child Care Teacher
Child Care Worker

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career

Program Specific Courses

Course	Title	VOC HRS	
HEV0941	Child Care Apprentice I	3.20	*Conc-Reqs: HEV0941L*
HEV0941L	Child Care Apprentice I Lab	22.66	*Conc-Reqs: HEV0941*
HEV0942	Child Care Apprentice II	3.20	*Conc-Reqs: HEV0942L*
HEV0942L	Child Care Apprentice II Lab	22.66	*Conc-Reqs: HEV0942*
HEV0943	Child Care Apprentice III	1.20	*Conc-Reqs: HEV0943L*
HEV0943L	Child Care Apprentice III Lab	21.33	*Conc-Reqs: HEV0943*
HEV0944	Child Care Apprentice IV	3.20	*Conc-Reqs: HEV0944L*
HEV0944L	Child Care Apprentice IV Lab	22.66	*Conc-Reqs: HEV0944*
HEV0945	Child Care Apprentice V	3.20	*Conc-Reqs: HEV0945L*
HEV0945L	Child Care Apprentice V Lab	22.66	*Conc-Reqs: HEV0945*
HEV0946	Child Care Apprentice VI	1.20	*Conc-Reqs: HEV0946L*
HEV0946L	Child Care Apprentice VI Lab	21.33	*Conc-Reqs: HEV0946*
TOTAL	LECTURE VOC. HRS.	**15.20**	
TOTAL	LECTURE CONTACT HRS.	**456.00**	
TOTAL	OJT VOC. HRS.	**133.30**	
TOTAL	OJT CONTACT HRS.	**4000.00**	

Notes

GENERAL INFORMATION

Apprenticeship Programs are:

SKILLED BASED/APPLIED LEARNING CONSISTING OF:

Class Related Instruction
Usually 6 Hours per Week

On-the-Job Training (OJT)
Full-time Employment in Field

Approved by Florida Department of Education,
Apprenticeship Office of Workforce Education

JOURNEYMAN CERTIFICATE

Awarded by Apprenticeship Office of Workforce Education,
Florida Department of Education on Successful Completion of Program

GRADUATES:
Graduates are prepared to work as head teachers of pre-school classes, or assistants/paraprofessionals in the public school system. You will learn to make lesson plans, supervise children and be responsible for a class. Graduates are awarded certificates from Daytona State College (Early Childhood Education Apprentice) and the Florida Department of Education, Apprenticeship Office of Workforce Education. Upon completion of the program, graduates can apply their credits (17.0 semester hours) toward an associate of science degree in Early Childhood Education.

Electrical Apprentice - Non-Union

Program Information

Apprenticeship - Code 1071 - Catalog 2012/2013
Billy Wiggins, Adjunct Faculty, 386-255-0742, billywigginssr@economyelectricco.com
Roger Rowan, Chair, 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, 386-506-4165, cherryb@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Electrical Apprentice - Non union program is to provide the knowledge, practice and skill development necessary to become a successful journeyman Electrician.

Description:
The Mid-Florida Electrical Non-union Apprenticeship, GNJ Program is a state subsidized, four-year program. Apprentices in the electrical construction trade will be taught principles of electricity and magnetism, wiring, installation methods, community first aid, safety issues, electric motor theory, and control. Apprentices receive extensive classroom and on-the-job training (OJT).

In most cases, a great deal of financial resources and energy are required to prepare for your career, but in a registered apprenticeship program, you are paid a progressively increased wage while you learn the occupation. The curriculum provides knowledge and skills training in all aspects of electrical construction work in the residential, commercial, and industrial markets. Apprentices are required to work a total of 8,000 hours of OJT and 792 class hours for successful completion of the program. Classes are held at The Advanced Technology College, 1770 Technology Boulevard, Daytona Beach, FL 32117 and OJT is scheduled at various places of employment.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code.
2. Identify and use different tools, equipment, materials and electrical products used in the trade.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate knowledge and skill in the residential, commercial and industrial markets.
5. Demonstrate the ability to plan and initiate projects related to the field.

Note: The length of this program makes it ineligible for federal and state financial aid.

Additional Admission Requirements

THE ENTRY QUALIFICATIONS SHALL INCLUDE:
1. Potential apprentices must be 18 years of age or older at the time the application is completed at Mid-Florida Non-union Electrical Apprenticeship, GNJ, 2407 Bellevue Avenue Extension, Daytona Beach, FL 32114. Billy Wiggins, Sr. 386-255-0742, billywigginssr@economyelectricco.com or midflgnj@cfl.rr.com.

2. Mid-Florida Non-union Electrical Apprenticeship and Training Committee must select first-year apprentices, before beginning the program. There web site is www.midfl-electricalgnj.com.

3. High school diploma or GED equivalency is required for admission into the program.

4. Valid driver's license.

5. Physically able to perform duties of trade.

6. Take a drug test prior to employment.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:
1. Students who have been selected by the committee must be admitted to Daytona State College by completing the Daytona State College Application for Admissions. The College does charge a one-time, non-refundable assessment fee to all students, at the time of initial enrollment.

2. Students will be registered for apprenticeship classes and on-the-job training through the appropriate apprenticeship committee.

Careers

General foremen, project managers, estimators, safety specialists, training director or instructor, construction, electronics, journeyman electrician

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
BCA0350	Electrical Apprentice I (Non-Union)	3.30	*Conc-Reqs: BCA0350L*
BCA0350L	Electrical Apprentice I Lab-OJT (Non-Union)	22.66	*Conc-Reqs: BCA0350*
BCA0351	Electrical Apprentice 2 (Non-Union)	3.30	*Conc-Reqs: BCA0351L*
BCA0351L	Electrical Apprentice 2 Lab-OJT (Non-Union)	22.66	*Conc-Reqs: BCA0351*
BCA0352L	Electrical Apprentice 3 Lab-OJT (Non-Union)	21.33	
BCA0353	Electrical Apprentice 4 (Non-Union)	3.30	*Conc-Reqs: BCA0353L*
BCA0353L	Electrical Apprentice 4 Lab-OJT (Non-Union)	22.66	*Conc-Reqs: BCA0353*
BCA0354	Electrical Apprentice 5 (Non-Union)	3.30	*Conc-Reqs: BCA0354L*
BCA0354L	Electrical Apprentice 5 Lab-OJT (Non-Union)	22.66	*Conc-Reqs: BCA0354*
BCA0355L	Electrical Apprentice 6 Lab-OJT (Non-Union)	21.33	
BCA0356	Electrical Apprentice 7 (Non-Union)	3.30	*Conc-Reqs: BCA0356L*
BCA0356L	Electrical Apprentice 7 Lab-OJT (Non-Union)	22.66	*Conc-Reqs: BCA0356*
BCA0357	Electrical Apprentice 8 (Non-Union)	3.30	*Conc-Reqs: BCA0357L*
BCA0357L	Electrical Apprentice 8 Lab-OJT (Non-Union)	22.66	*Conc-Reqs: BCA0357*
BCA0340L	Electrical Apprentice 9 Lab-OJT (Non-Union)	21.33	
BCA0341	Electrical Apprentice 10 (Non-Union)	3.30	*Conc-Reqs: BCA0341L*
BCA0341L	Electrical Apprentice 10 Lab-OJT (Non-Union)	22.66	*Conc-Reqs: BCA0341*
BCA0342	Electrical Apprentice 11 (Non-Union)	3.30	*Conc-Reqs: BCA0342L*
BCA0342L	Electrical Apprentice II Lab-OJT (Non-Union)	22.66	*Conc-Reqs: BCA0342*
BCA0343L	Electrical Apprentice 12 Lab-OJT (Non-Union)	21.33	
TOTAL	LECTURE VOC. HRS.	**26.40**	
TOTAL	LECTURE CONTACT HRS.	**793.00**	
TOTAL	OJT VOC. HRS.	**266.66**	
TOTAL	OJT CONTACT HRS.	**8000.00**	

Notes

If you are interested in applying for this program, please contact Mid-Florida Non-union Apprenticeship, GNJ:

Billy Wiggins, Sr., Program Manager/Director
Mid-Florida Non-union Electrical
2407 Bellevue Avenue Extension
Daytona Beach, FL 32114
Phone: (386) 255-0742

E-mail: billywigginssr@economyelectricco.com

Electrical Apprentice - Union

Program Information

Apprenticeship - Code 1072 - Catalog 2012/2013
Carl Jarvis, Adjunct Faculty, 386-322-6236, scottdbjatc@aol.com
Roger Rowan, Chair, Workforce & Cont. Edu., 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, 386-506-4165, cherryb@DaytonaState.edu

04/10/2012 M - 1048

Program Mission, Description, and Outcomes

Mission:
The mission of the Electrical Apprentice - Union program is to provide the knowledge, practice and skill development necessary to become a successful journeyman Electrician.

Description:
The Daytona Beach Electrical Union Apprenticeship, JATC Program (Don Morgan Electrical Academy) is a state subsidized, four-year program. A journeyman of the electrical construction trade would be expected to be capable of planning and initiating projects. A graduate can become a manager, dispatcher, estimator, safety specialist, marketing manager, business manager, training director, instructor and many more! Apprentices receive extensive classroom and on-the-job training (OJT).

In most cases, a great deal of financial resources and energy are required to prepare for your career, but in a registered apprenticeship program, you are paid a progressively increased wage while you learn the occupation.
The curriculum provides knowledge and skills training in all aspects of electrical construction work in the residential, commercial, and industrial markets. Apprentices are required to work a total of 8,000 hours of OJT and 990 class hours for successful completion of the program. Classes are held at The Advanced Technology College, 1770 Technology Boulevard, Daytona Beach, FL 32117 and OJT is scheduled at various places of employment.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code.
2. Identify and use different tools, equipment, materials and electrical products used in the trade.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate knowledge and skill in the residential, commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects related to the field.

Note: The length of this program makes it ineligible for federal and state financial aid.

Additional Admission Requirements

THE ENTRY QUALIFICATIONS SHALL INCLUDE:
1. Potential apprentices must be 18 years of age or older at the time the application is completed at Don Morgan Electrical Academy (Electrical Union Apprenticeship, JATC) office, 790 Commonwealth Boulevard, Port Orange, FL 32127.

2. Don Morgan Electrical Academy (Electrical Union Apprenticeship, JATC) Committee must select first-year apprentices, before beginning the program.

3. High school diploma or GED equivalency is required for admission into the program. To be determined by Committee.

4. High school transcripts required. GED grades report required when applicable.

5. Valid driver's license.

6. Physically able to perform duties of trade.

7. One credit of high school algebra.

8. Take the industry's validated aptitude test.

9. Take a drug test prior to employment.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:
1. Students who have been selected by the committee must be admitted to Daytona State College by completing the Daytona State College Application for Admissions. The College does charge a one-time, non-refundable assessment fee to all students, at the time of initial enrollment.

2. Students will be registered for apprenticeship classes and on-the-job training through the appropriate apprenticeship committee.

Careers

General foremen, project managers, estimators, safety specialist, training director or instructor, construction, electronics, journeyman electrician

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS
BCA0330	Electrical Academy Union Apprentice I	3.30
BCA0330L	Electrical Academy Union Apprentice I Lab-OJT	22.66
BCA0331	Electrical Academy Union Apprentice 2	3.30
BCA0331L	Electrical Academy Union Apprentice 2 Lab-OJT	22.66
BCA0332L	Electrical Academy Union Apprentice 3 Lab-OJT	21.33
BCA0333	Electrical Academy Union Apprentice 4	3.30
BCA0333L	Electrical Academy Union Apprentice 4 Lab-OJT	22.66
BCA0334	Electrical Academy Union Apprentice 5	3.30
BCA0334L	Electrical Academy Union Apprentice 5 Lab-OJT	22.66
BCA0335L	Electrical Academy Union Apprentice 6 Lab-OJT	21.33
BCA0336	Electrical Academy Union Apprentice 7	3.30
BCA0336L	Electrical Academy Union Apprentice 7 Lab-OJT	22.66
BCA0337	Electrical Academy Union Apprentice 8	3.30
BCA0337L	Electrical Academy Union Apprentice 8 Lab-OJT	22.66
BCA0338	Electrical Academy Union Apprentice 9	3.30
BCA0338L	Electrical Academy Union Apprentice 9 Lab-OJT	21.33
BCA0339	Electrical Academy Union Apprentice 10	3.30
BCA0339L	Electrical Academy Union Apprentice 10 Lab-OJT	22.66
BCA0390	Electrical Academy Union Apprentice 11	3.30
BCA0390L	Electrical Academy Union Apprentice 11 Lab-OJT	22.66
BCA0391	Electrical Academy Union Apprentice 12	3.30
BCA0391L	Electrical Academy Union Apprentice 12 Lab-OJT	21.33
TOTAL	LECTURE VOC. HRS.	33.00
TOTAL	LECTURE CONTACT HRS.	990.00
TOTAL	OJT VOC. HRS.	266.66
TOTAL	OJT CONTACT HRS.	8000.00

Notes

If you are interest in applying for this program, please contact:

Scott Jarvis, Program Manager/Director
Don Morgan Electrical Academy
790 Commonwealth Boulevard
Port Orange, FL 32127
Phone: (386) 322-6236
E-Mail: scottdbjatc@aol.com

Website: www.electricalcareer.net

Electronics Engineering Technology

Program Mission, Description, and Outcomes

Mission:
The content includes knowledge in the field of electronics in areas of AC circuits, solid-state devices, analog circuits, digital circuits and microprocessor systems. Additionally the content covers concepts of circuit diagrams and schematics, soldering, fiber optics system and laboratory practices.

Description:
The Electronics Engineering Technology program offers opportunities for students desiring to learn about the field of electronics in such areas as analog and digital circuits, computers, instrumentation, communications, microprocessor and fiber optics systems.

Outcomes:
Graduates of the program will be able to:
1. Apply knowledge of mathematics, basic science, and engineering to solve problems encompassing the fundamental areas of electronic engineering technology.
2. Apply knowledge of one or more disciplines within electronic engineering technology to the solution of technical problems.
3. Identify and analyze applications of electrical components or systems to meet desired needs.
4. Create and conduct experiments to acquire needed data, and to analyze and interpret data to solve engineering technology problems.
5. Demonstrate proficiency in the use of computers and other modern tools and skills to solve technical problems.
6. Comply with and function as a member of a diverse multidisciplinary team in the solution of engineering problems.
7. Demonstrate proficiency in communicating ideas and information orally and in writing.
8. Relate the need for, and an ability to learn new concepts as required for the continuing practice of electronic engineering technology.
9. Comprehend ethical responsibility and professional integrity issues related to the practice of electronic engineering technology.
10. Comprehend contemporary technological and societal issues, and the impact of technology on society in both a local and global context.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Consult assistant chair for approximate costs of textbooks, lab fees and project fees. A scientific calculator is required first semester.

Electronics Assembly project cost is $187.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, math, or reading course depending upon college placement test scores.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 29 Credits**		
... ...	**Communications Core (9 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (6 credits)**		
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MAC1114	College Trigonometry	3.00	*Pre-Reqs: MAC1105 OR MAC1104*

Sciences Core (8 Credits)
... ... **Physical Sciences - 4 credits**

		SEM HRS	
PHY1053	General Physics I	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MTB1348 OR MAC1114 Conc-Reqs: PHY1053L*
PHY1053L	General Physics I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: PHY1053*

... ... **Biological Sciences Core - 4 credits**
... ... **Choose One Course**

		SEM HRS	
BOT1010	General Botany	3.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010L*
BOT1010L	General Botany Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BOT1010*
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	*Co-Reqs: ENC1101*
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1.00	*Co-Reqs: ENC1101 AND BSC1005*
OCB2000	Introduction to Marine Biology	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2107 OR STA2023 OR MGF2106 Conc-Reqs: OCB2000L*
OCB2000L	Introduction to Marine Biology Lab	1.00	*Conc-Reqs: OCB2000*

... ... **Behavioral & Social Sciences Core (3 credits)**
... ... **Choose One Course**

		SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... **Humanities, Cultural & Aesthetics (3 Credits)**
... ... **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*
CGS2100	Microcomputer Applications	3.00	
CET2123	Microcomputer and Basic Digital Communications	3.00	*Pre-Reqs: CET1112 Conc-Reqs: CET2123L*
CET2123L	Microcomputer and Basic Digital Communications Lab	1.00	*Pre-Reqs: CET1112L Conc-Reqs: CET2123*
COP2220	Computer Programming "C"	3.00	*Pre-Reqs: COP1000 OR MAC1105*
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
EET1141	Analog Devices and Circuits	3.00	*Co-Reqs: EET1021 Pre-Reqs: EET1011 AND EET1011L Conc-*

EET1141L	Analog Devices and Circuits Lab	1.00	*Reqs: EET1141L*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1141*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607L*
EET2142	Analog Circuits and Basic Analog Communications	3.00	*Conc-Reqs: EET1607* *Pre-Reqs: EET1141 AND EET1141L Conc-Reqs: EET2142L*
EET2142L	Analog Circuits and Basic Analog Communications Lab	1.00	*Conc-Reqs: EET2142*
EET2326	Wireless Communications	3.00	*Pre-Reqs: EET2142 AND EET2142L Conc-Reqs: EET2326L*
EET2326L	Wireless Communications Lab	1.00	*Conc-Reqs: EET2326*
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
... ...	**Technical Elective - CHOOSE ONLY 4 credit hours**	4.00	

		SEM HRS	
PHY1054	General Physics II	3.00	*Pre-Reqs: PHY1053 OR PHY1053C Conc-Reqs: PHY1054L*
PHY1054L	General Physics II Lab	1.00	*Pre-Reqs: PHY1053C OR PHY1053 Conc-Reqs: PHY1054*
EGS1000	Professional Performance for Technicians	3.00	
EET2949	Cooperative Education Experience in Electronics	1.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	

Sample Program of Study

Course	Title

| ... ... | **First Year** | | |
| ... ... | **1st Semester** | | |

		SEM HRS	
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

| ... ... | **2nd Semester** | | |

		SEM HRS	
MAC1114	College Trigonometry	3.00	*Pre-Reqs: MAC1105 OR MAC1104*
CGS2100	Microcomputer Applications	3.00	
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
EET1141	Analog Devices and Circuits	3.00	*Co-Reqs: EET1021 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1141L*
EET1141L	Analog Devices and Circuits Lab	1.00	*Conc-Reqs: EET1141*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*

| ... ... | **Second Year** | | |
| ... ... | **3rd Semester** | | |

		SEM HRS	
... ...	**Biological Sciences**	4.00	
PHY1053	General Physics I	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MTB1348 OR MAC1114 Conc-Reqs: PHY1053L*
PHY1053L	General Physics I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: PHY1053*
CET2123	Microcomputer and Basic Digital Communications	3.00	*Pre-Reqs: CET1112 Conc-Reqs: CET2123L*
CET2123L	Microcomputer and Basic Digital Communications Lab	1.00	*Pre-Reqs: CET1112L Conc-Reqs: CET2123*
EET2142	Analog Circuits and Basic Analog Communications	3.00	*Pre-Reqs: EET1141 AND EET1141L Conc-Reqs: EET2142L*
EET2142L	Analog Circuits and Basic Analog Communications Lab	1.00	*Conc-Reqs: EET2142*
COP2220	Computer Programming "C"	3.00	*Pre-Reqs: COP1000 OR MAC1105*

| ... ... | **4th Semester** | | |

			SEM HRS	
... ...	**Technical Elective**		4.00	
... ...	**Behavioral & Social Sciences Core**		3.00	
... ...	**Humanities, Cultural & Aesthetic Core**		3.00	
EET2326	Wireless Communications		3.00	*Pre-Reqs: EET2142 AND EET2142L Conc-Reqs: EET2326L*
EET2326L	Wireless Communications Lab		1.00	*Conc-Reqs: EET2326*
SPC2608	Oral Communications/Research/Presentation Skills		3.00	*Pre-Reqs: ENC1101*

TOTAL ... **68.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Emergency Medical Services (Limited Access Program)

Program Information

A.S. Degree - Code 2108/2208 - Catalog 2012/2013

Patricia Maher, Assistant Chair of EMS, 386-506-4188,

Elizabeth Rafferty, Senior Staff Assistant, 386-506-4122, raffere@daytonastate.edu

08/08/2012 M - 1256

Program Mission, Description, and Outcomes

Mission:

The mission of the Emergency Medical Services program is to provide the necessary training and practices to deliver high quality, caring patient care in the Prehospital environment.

Description:

The program prepares the student for state certification as an Emergency Medical Technician and Paramedic. The Paramedic delivers pre-hospital life support care and transportation necessary for accident and emergency illness victims. Instruction covers IV therapy, advanced cardiac life support, advanced care skills for patients in shock, telemetry and communications. Graduates are qualified to work as basic EMTs or advanced care paramedics on ambulances, in hospital emergency rooms, intensive care units and emergency helicopter transport agencies, and they may also qualify for management positions. Credits earned in the EMT and Paramedic certificate programs will be counted toward completion of this degree. Completers of this degree program are eligible for state certification as an EMT and subsequently for state certification as a paramedic.

Outcomes:

Graduates of the program will be able to:

1. Perform entry level skills as described by the scope of pracrice of Paramedic.
2. Perform effective communication in the pre-hospital healthcare environment.
3. Structure a safe environment for patients on the pre-hospital setting.
4. Practice professional behaviors in the pre-hosital healthcare setting.
5. Execute safe clinical decision making in the pre-hospital environment

6. Manage the plan of care for patients in the pre-hospital healthcare environment.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

- Acceptable score on the PERT (Postsecondary Education Readiness Test) examination.

- Must complete EMT and Paramedic Course successfully.

Careers

Paramedic/EMT Graduates have been employed at the local public safety agencies, theme parks and local hospitals.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS	
	General Education Core - 15 Credits		
... ...	**Communications Core (6 Credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition **OR**		*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 Credits)**		
... ...	**Choose One Course**		
		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

... ... **Behavioral & Social Sciences Core (3 credits)**

... ... **Choose One Course**

		SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**

... ... **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
EMS1119	Emergency Medical Technician I	7.00	*Co-Reqs: EMS1431 AND EMS1401L*
EMS1335	Emergency Vehicle Operators Course	1.00	*Co-Reqs: EMS1431 AND EMS1401L AND EMS1119*
EMS1401L	Emergency Medical Technician I Lab	2.00	*Co-Reqs: EMS1119 AND EMS1431*
EMS1431	Emergency Medical Technician Clinical/Field Experience	2.00	*Co-Reqs: EMS1401L AND EMS1119*
EMS2603	Paramedic I	9.00	*Co-Reqs: EMS2666 Conc-Reqs: EMS2603L*
EMS2603L	Paramedic I Lab	4.00	*Co-Reqs: EMS2666 Conc-Reqs: EMS2603*
EMS2604	Paramedic II	9.00	*Co-Reqs: EMS2667 Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L Conc-Reqs: EMS2604L*
EMS2604L	Paramedic II Lab	3.00	*Co-Reqs: EMS2667 Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L Conc-Reqs: EMS2604*
EMS2605	Paramedic III	8.00	*Co-Reqs: EMS2668 AND EMS2659 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605L*
EMS2605L	Paramedic III Lab	3.00	*Co-Reqs: EMS2668 AND EMS2659 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605*
EMS2667	Paramedic Clinical II	2.00	*Co-Reqs: EMS2604 AND EMS2604L Pre-Reqs: EMS2603 AND EMS2603L*
EMS2659	Paramedic Field Internship	3.00	*Co-Reqs: EMS2605 AND EMS2605L Pre-Reqs: EMS2604 AND EMS2667 AND EMS2604L*
EMS2666	Paramedic Clinical I	1.00	*Co-Reqs: EMS2603 AND EMS2603L*
HSC1531	Medical Terminology	4.00	

Sample Program of Study

Course	Title		

... ... **First Year/Ist Semester**

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
EMS1335	Emergency Vehicle Operators Course	1.00	*Co-Reqs: EMS1431 AND EMS1401L AND EMS1119*

EMS1119	Emergency Medical Technician I	7.00	*Co-Reqs: EMS1431 AND EMS1401L*
EMS1401L	Emergency Medical Technician I Lab	2.00	*Co-Reqs: EMS1119 AND EMS1431*
EMS1431	Emergency Medical Technician Clinical/Field Experience	2.00	*Co-Reqs: EMS1401L AND EMS1119*

... ...	**2nd Semester**	**SEM HRS**	
ENC1102	Literature and Composition **OR**		*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
... ...	**Behavioral & Social Sciences Core**	3.00	
... ...	**Mathematics Core**	3.00	
HSC1531	Medical Terminology	4.00	

... ...	**3rd Semester**	**SEM HRS**	
EMS2603	Paramedic I	9.00	*Co-Reqs: EMS2666 Conc-Reqs: EMS2603L*
EMS2603L	Paramedic I Lab	4.00	*Co-Reqs: EMS2666 Conc-Reqs: EMS2603*
EMS2666	Paramedic Clinical I	1.00	*Co-Reqs: EMS2603 AND EMS2603L*

... ...	**Second Year/1st Semester**	**SEM HRS**	
EMS2604	Paramedic II	9.00	*Co-Reqs: EMS2667 Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L Conc-Reqs: EMS2604L*
EMS2604L	Paramedic II Lab	3.00	*Co-Reqs: EMS2667 Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L Conc-Reqs: EMS2604*
EMS2667	Paramedic Clinical II	2.00	*Co-Reqs: EMS2604 AND EMS2604L Pre-Reqs: EMS2603 AND EMS2603L*

... ...	**2nd Semester**	**SEM HRS**	
EMS2605	Paramedic III	8.00	*Co-Reqs: EMS2668 AND EMS2659 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605L*
EMS2605L	Paramedic III Lab	3.00	*Co-Reqs: EMS2668 AND EMS2659 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605*
EMS2659	Paramedic Field Internship	3.00	*Co-Reqs: EMS2605 AND EMS2605L Pre-Reqs: EMS2604 AND EMS2667 AND EMS2604L*

| **TOTAL** | ... | **73.00** | |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

<u>**Notes**</u>

Please contact Patricia Maher 386-506-4188 regarding transfer credits from other schools, and life time learning credit.

Emergency Medical Technician (Limited Access Program)

Program Information

Applied Tech. Diploma - Code 1960/0960 - Catalog 2012/2013
Patricia Maher, Assistant Chair/Manager, 386-506-4188,
Elizabeth Rafferty, Senior Staff Assistant, 386-506-4122, raffere@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Emergency Medical Technician program is to provide the necessary training and practices to deliver high quality, caring patient care in the pre-hospital environment.

Description:
The program teaches students the basic skills and techniques of pre-hospital emergency medical care. The course emphasizes developing skills in recognizing the symptoms of illness and injuries, and the application and proper procedures essential in delivering basic life support to the sick and injured. The program is designed to prepare students for state certification in emergency care; however, it also is open for students who wish to take it for personal development. Training includes 60 hours of clinical experience with pre-hospital care agencies and a hospital emergency room. Graduates are qualified to work as basic care providers in emergency medical systems, hospitals, and industrial medicine. Job title: Emergency Medical Technician.

This certificate serves as a prerequisite to the Paramedic certificate program. Credits earned in this program may be counted for the Emergency Medical Services degree.

Outcomes:
Graduates of the program will be able to:
1. Provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system.
2. Possess the basic knowledge and skills necessary to provide patient care and transportation.
3. Function as part of a comprehensive EMS response, under medical oversight.
4. Perform interventions with the basic medical equipment typically found on an ambulance.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $1,149*
Access Fee: $87 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $150 (including liability insurance)
Textbooks/Equipment: $175
Uniforms: $200
Criminal Background Check and Drug Screen: $90
State Application: $105

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- All students must obtain an application from the EMS Program at the Advanced Technology College (ATC), Building 1, Room 124C or can go online to www.daytonastate.edu/ems. Application must be completed and submitted to the EMS Program prior to the stated deadline.

- Acceptable score on the TABE or PERT examinations.

- Attendance at the EMS Orientation Session is Mandatory - Date and time will be announced by the EMS Program.

Careers

EMT Graduates have been employed at the local public safety agencies, theme parks and local hospitals.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course   Title

Course	Title	SEM HRS	
EMS1119	Emergency Medical Technician I	7.00	*Co-Reqs: EMS1431 AND EMS1401L*
EMS1401L	Emergency Medical Technician I Lab	2.00	*Co-Reqs: EMS1119 AND EMS1431*
EMS1431	Emergency Medical Technician Clinical/Field Experience	2.00	*Co-Reqs: EMS1401L AND EMS1119*

Sample Program of Study

Course	Title	SEM HRS	
EMS1119*1*	Emergency Medical Technician I	7.00	*Co-Reqs: EMS1431 AND EMS1401L*
EMS1401L*1*	Emergency Medical Technician I Lab	2.00	*Co-Reqs: EMS1119 AND EMS1431*
EMS1431*1*	Emergency Medical Technician Clinical/Field Experience	2.00	*Co-Reqs: EMS1401L AND EMS1119*
TOTAL	...	**11.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

For more information please contact Beth Rafferty 386-506-4122 or email her at raffere@daytonastate.edu.

1 - All three (3) courses (EMS 1119, EMS 1401L & EMS 1431) must be taken together in the same semester.

Environmental Science Technology

Program Mission, Description, and Outcomes

Mission:
The mission of the Environmental Science Technology Program is to provide and to enrich the students with the basic skills, knowledge and abilities in the fields of environmental compliance and technology, and to enable the students to gain entry-level employment in the field.

Description:
The Environmental Science Technology program focuses on environmental compliance and protection of our land and water at the federal, state, and local level. Under the direction of an environmental scientist, graduates will be expected to perform physical, chemical and biological sampling in the field. Graduates will also identify and quantify organisms, establish sampling areas, perform water and soil analysis, maintain field equipment, record test data and perpare reports. Much of this work will occur in the field or in the laboratory.

Outcomes:
Graduates of the program will be able to:
1. Identify and explain environmental processes and human-environment interactions.
2. Apply interdisciplinary perspectives and approaches to environmental problems.
3. Critically assess and evaluate environmental problems at a local and global scale.
4. Acquire the ability to monitor, sample, and analyze environmental conditions.

5. Design effective oral presentations and prepare technical reports.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Lab Fees: $307 (refer to course descriptions in current college catalog)

Additional Admission Requirements

General Education courses (pre- and co-requisites) and Program Specific courses must be completed with a grade of 'C' or better.

Careers

Graduates may secure entry-level positions with environmental companies, federal, state and local governments, utilities, the military, industry or nonprofit organizations locally, as well as on state, national and international levels.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
... ...	**Behavioral & Social Sciences Core (3 credits)**		

		SEM HRS	
DEP2004	Developmental Psychology **OR**		*Co-Reqs: ENC1101*
PSY1012	General Psychology **OR**		*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**
... ... **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

... ... **Additional Required Courses - 24 Credits**

		SEM HRS	
BSC1010	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
CHM1025	Introductory to Chemistry	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
CHM1025L	Introduction to Chemistry Lab	1.00	*Conc-Reqs: CHM1025*
GEO2420	Cultural Geography	3.00	*Co-Reqs: ENC1101*
GLY2010	Physical Geology	3.00	*Co-Reqs: ENC1101 OR MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 Pre-Reqs: MAT1033 Conc-Reqs: GLY2010L*
GLY2010L	Physical Geology Lab	1.00	*Conc-Reqs: GLY2010*
OCE1001	Introduction to Oceanography	3.00	*Co-Reqs: ENC1101 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2106 OR MGF2107 Pre-Reqs: MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
MET2010	Meteorology	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MAC2311 OR MGF2106*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
EVR2001	Environmental Science	3.00	*Pre-Reqs: BSC1010 AND CHM1025L AND CHM1025 AND BSC1010L AND MAC1105 Conc-Reqs: EVR2001L*
EVR2001L	Environmental Science Lab	1.00	*Conc-Reqs: EVR2001*
EVR2861	Environmental Policy	3.00	*Co-Reqs: EVR2001 AND EVR2001L Pre-Reqs: ENC1101*
EVR2933	Environmental Seminar	1.00	*Co-Reqs: EVR2943*
EVR2943	Environmental Internship	3.00	*Co-Reqs: PCB2033 AND EVR2933 Pre-Reqs: OCE2013L AND OCE2013*
GIS2040	Geographic Information Systems	2.00	*Conc-Reqs: GIS2040L*

GIS2040L	Geographic Information Systems Lab	1.00	*Conc-Reqs: GIS2040*
OCE2013	Aquatic Environmental Science	3.00	*Pre-Reqs: CHM1025 AND OCE1001 AND STA2023 AND CHM1025L AND MAC1105 Conc-Reqs: OCE2013L*
OCE2013L	Aquatic Environmental Science Lab	1.00	*Conc-Reqs: OCE2013*
PCB2033	Introduction to Ecology	3.00	*Pre-Reqs: BSC1010 AND MAC1105 AND STA2023 Conc-Reqs: PCB2033L*
PCB2033L	Introduction to Ecology Lab	1.00	
PHY1020	Energy and its Environmental Effects	3.00	*Pre-Reqs: MAC1105*

Sample Program of Study

Course	Title		

... ...	**First Year**		
... ...	**1st Semester**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
CHM1025	Introductory to Chemistry	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
CHM1025L	Introduction to Chemistry Lab	1.00	*Conc-Reqs: CHM1025*
GIS2040	Geographic Information Systems	2.00	*Conc-Reqs: GIS2040L*
GIS2040L	Geographic Information Systems Lab	1.00	*Conc-Reqs: GIS2040*
... ...	**Behavioral and Social Sciences Core**	3.00	

... ...	**2nd Semester**		
		SEM HRS	
BSC1010	General Biology I (For Science Majors)	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1010L*
BSC1010L	General Biology I (For Science Majors) Lab	1.00	*Conc-Reqs: BSC1010*
GEO2420	Cultural Geography	3.00	*Co-Reqs: ENC1101*
OCE1001	Introduction to Oceanography	3.00	*Co-Reqs: ENC1101 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2106 OR MGF2107 Pre-Reqs: MAT1033*
PHY1020	Energy and its Environmental Effects	3.00	*Pre-Reqs: MAC1105*

... ...	**Summer Semester**		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
... ...	**Humanities, Cultural and Aesthetic Elective Core**	3.00	

... ...	**Second Year**		
... ...	**1st Semester**		
		SEM HRS	
EVR2001	Environmental Science	3.00	*Pre-Reqs: BSC1010 AND CHM1025L AND CHM1025 AND BSC1010L AND MAC1105 Conc-Reqs: EVR2001L*
EVR2001L	Environmental Science Lab	1.00	*Conc-Reqs: EVR2001*
EVR2861	Environmental Policy	3.00	*Co-Reqs: EVR2001 AND EVR2001L Pre-Reqs: ENC1101*
MET2010	Meteorology	3.00	*Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MAC2311 OR MGF2106*
OCE2013	Aquatic Environmental Science	3.00	*Pre-Reqs: CHM1025 AND OCE1001 AND STA2023 AND CHM1025L AND MAC1105 Conc-Reqs: OCE2013L*
OCE2013L	Aquatic Environmental Science Lab	1.00	*Conc-Reqs: OCE2013*

... ...	**2nd Semester**		
		SEM HRS	
EVR2933	Environmental Seminar	1.00	*Co-Reqs: EVR2943*
EVR2943	Environmental Internship	3.00	*Co-Reqs: PCB2033 AND EVR2933 Pre-Reqs: OCE2013L AND OCE2013*

GLY2010	Physical Geology	3.00	*Co-Reqs: ENC1101 OR MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 Pre-Reqs: MAT1033 Conc-Reqs: GLY2010L*
GLY2010L	Physical Geology Lab	1.00	*Conc-Reqs: GLY2010*
PCB2033	Introduction to Ecology	3.00	*Pre-Reqs: BSC1010 AND MAC1105 AND STA2023 Conc-Reqs: PCB2033L*
PCB2033L	Introduction to Ecology Lab	1.00	

TOTAL ... **64.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Fire Fighter (Limited Access Program)

Program Mission, Description, and Outcomes

Mission:
To provide quality academic job training for students in this discipline.

Description:
This program prepares students with the fundamental knowledge and skills necessary to safely and dependably perform fire-rescue duties during emergency and non-emergency response situations. Students learn the tasks, duties, and responsibilities of a firefighter in accordance with NFPA Standard 1001 and Florida State Statute 633. This program is a contiguous program, in which Firefighter I and Firefighter II are offered in a series. Students desiring to obtain a State of Florida Certificate of Compliance (Firefighter II) must successfully complete the series (398 contiguous hours). They may then participate in the written and practical examinations administered by the state. This certification is required for employment as a firefighter. Job titles: Volunteer Firefighter, Career Firefighter.

The Fire Fighter vocational certificate program is certified through the Florida State Fire College.

Outcomes:
Graduates of the program will be able to:
1. Identify, analyze, and respond to problem situations involving civil rights, firefighting, and legal issues.
2. Show competence in written and oral communications.
3. Successfully complete state licensure requirements.

4. Integrate the knowledge and skills obtained during the Fire Fighter vocational certificate program into their specialized career field.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs
Program Tuition and Fees: $1,114*
Access Fee: $105 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: FFP0010 - $300 (includes liability insurance); FFP0020 - $275
First Responder (if applicable): $150
Fire in the Field DVD: $75
Uniforms, Books and Supplies: $300
Personal Protective Equipment/Bunker Gear Rental: $650
Physical Examination: $120
State Application/Fingerprint Fee: $90

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements
- Must apply for admission to Daytona State College.

- Must take TABE - students need one attempt of test (minimum of 8.0 in each of the three sections) to enter the course and must have 10.0 in each section to exit the course.

- Must complete fire academy application - available in Fire Science Department office in March for May (Summer) class, in June for August (Fall) class, and in October for January (Spring) class.

- Must have physical examination.

- Must be 18 years of age before completion of the course.

- Must have a standard high school diploma or a GED.

- Must not currently be on probation.

- Must have no felony convictions within the past four years.

- Must successfully complete a state-mandated criminal background check.

- Must complete a physical skills assessment (Agility Test) prior to acceptance into the course.

- Must complete the Fire Academy Orientation.

- Must order classroom uniforms.

- Must rent firefighter bunker gear.

- Must purchase textbooks and classroom supplies/materials.

- Must register for the course and pay tuition and lab fees.

- Must follow the rules and regulations outlined in the course Student Handbook, as well as those of the Daytona State College Student Handbook.

- Must not have used tobacco products (cigarettes, snuff, chewing tobacco, etc.) for one year prior to employment at a fire service agency.

Program Specific Courses

Course	Title	VOC HRS	
FFP0010	Firefighter I	6.87	
FFP0020	Firefighter II	6.40	*Pre-Reqs: FFP0010*

Sample Program of Study

Course	Title	VOC HRS	
FFP0010	Firefighter I	6.87	
FFP0020	Firefighter II	6.40	*Pre-Reqs: FFP0010*
TOTAL	VOC HRS.	**13.27**	
TOTAL	CONTACT HRS.	**398.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Fire Science Technology

Program Mission, Description, and Outcomes

Mission:

To provide students the knowledge, skills, and practices necessary for a successful career in the Fire Science field.

Description:

This program is designed for students employed or those who desire employment in the fire service. Students take a balance of general education and fire science courses covering fire service organization, strategy and tactics, fire codes, and alarm and extinguishing systems. As certain classes are completed, students may apply to take state certification exams which may lead to advancement within the fire service.

The Fire Science Technology degree program is certified through the Florida State Fire College.

Outcomes:

Graduates of the program will be able to:

1. Identify, analyze, and respond to problem situations involving civil rights, firefighting, and legal issues.
2. Show competence in written and oral communications.
3. Successfully complete state licensure requirements.

4. Integrate the knowledge and skills attained during the Fire Science Technology degree program into their specialized career field.

Note: This program is eligible for federal financial aid and state bright futures.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 19 Credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
... ...	**Sciences Core (4 credits)**		
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	*Co-Reqs: ENC1101*
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1.00	*Co-Reqs: ENC1101 AND BSC1005*
... ...	**Behavioral & Social Sciences Core (3 credits)**		
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**		

Course	Title	SEM HRS	Reqs
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS
CGS2100	Microcomputer Applications	3.00
FFP1510	Construction Codes and Material Rating	3.00
FFP1520	Fire Prevention Programs	3.00
FFP1799	Time Management for Fire Service	1.00
FFP1810	Firefighting Strategy and Tactics I	3.00
FFP2120	Building Construction	3.00
FFP2540	Private Fire Protection Systems	3.00
FFP2720	Fire Department Leadership	3.00
FFP2740	Fire Service Instructor	3.00
FFP2811	Firefighting Strategy and Tactics II	3.00
FFP2949	Cooperative Education Experience in Fire Science	1.00
... ...	**Fire Science Elective**	3.00
... ...	**Fire Science Elective**	3.00
... ...	**Fire Science Elective**	3.00
... ...	**Fire Science Elective**	3.00

Course	**Electives - Choose Four:**	SEM HRS	Reqs
EMS1119*l*	Emergency Medical Technician I	7.00	*Co-Reqs: EMS1431 AND EMS1401L*
FFP1700	Management of Municipal Fire Protection	3.00	
FFP2111	Fire Chemistry	3.00	
FFP2401	Hazardous Materials I	3.00	
FFP2402	Hazardous Materials II	3.00	*Pre-Reqs: FFP2401*
FFP2521	Blueprint Reading and Plans Evaluation	3.00	
FFP2604	Fire Detection and Investigation	3.00	
FFP2706	Public Information Officer	3.00	
FFP2741	Fire Service Course Design	3.00	
FFP2770	Ethical and Legal Issues for the Fire Service	3.00	

Sample Program of Study

Course	Title		
... ...	**First Year**		
... ...	**1st Semester**	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
FFP1510	Construction Codes and Material Rating	3.00	

| FFP1810 | Firefighting Strategy and Tactics I | 3.00 | |
| FFP2811 | Firefighting Strategy and Tactics II | 3.00 | |

... ...	**2nd Semester**		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
CGS2100	Microcomputer Applications	3.00	
FFP1520	Fire Prevention Programs	3.00	
FFP2120	Building Construction	3.00	

... ...	**Second Year**		
... ...	**1st Semester**		
		SEM HRS	
... ...	**Humanities. Cultural & Aesthetic Core**	3.00	
BSC1005	Survey of Biological Sciences (For Non-Science Maiors)	3.00	*Co-Reqs: ENC1101*
BSC1005L	Survey of Biological Science (For Non-Science Maiors) Lab	1.00	*Co-Reqs: ENC1101 AND BSC1005*
FFP2720	Fire Department Leadership	3.00	
... ...	**Fire Science Elective**	3.00	
... ...	**Fire Science Elective**	3.00	

... ...	**2nd Semester**		
		SEM HRS	
FFP1799	Time Management for Fire Service	1.00	
FFP2540	Private Fire Protection Svstems	3.00	
FFP2740	Fire Service Instructor	3.00	
FFP2949	Cooperative Education Experience in Fire Science	1.00	
... ...	**Fire Science Elective**	3.00	
... ...	**Fire Science Elective**	3.00	

| **TOTAL** | ... | **60.00** | |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

<u>**Notes**</u>
1. Students selecting EMS 1119 (Emergency Medical Technician I) as a Fire Science Elective are not required to take FFP 1799 and FFP 2949.

Health Information Technology (Limited Access Program)

Program Information

A.S. Degree - Code 2114/2214 - Catalog 2012/2013
Nancy Thomas, Assistant Chair, 386-506-3748, thomasn@daytonastate.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Health Information Technology program at Daytona State College is to provide a quality program to educate and promote the science of Health Information Technology.

Description:

The program trains individuals to supervise many of the health information management department's daily functions; review records for consistency, completeness and accuracy; index and classify all diagnosis and operations on diseases for public health authorities; prepare studies for medical staff; and respond to authorized inquiries for insurance or legal purposes. Clinical experience will be provided in local health care facilities. Graduates are eligible to take the Registered Health Information Technician (RHIT) Examination. Successful candidates are awarded the RHIT credential. RHIT designation signifies a person is a qualified specialist in coding, assembling, analyzing, abstracting and maintaining health information. The Health Information Management program is accredited by the Commission on Accreditation for Health Informatics and Information Management (CAHIIM).
AHIMA/CAHIIM Offices
233 N. Michigan Avenue, 21st Floor
Chicago, IL 60601

Outcomes:

Graduates of the program will be able to:
1. Function as a valuable member of a quality healthcare team.
2. Function as health information specialists in a variety of health care settings such as hospitals, clinics, nursing homes, physician offices,

and tumor registries.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Lab Fees (including liability insurance): $135
Textbooks: $600

FDLE/FBI Background Screening: $90

Additional Admission Requirements

- This is a limited access program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- To be eligible for continuing enrollment, the student must qualify for ENC 1101 (College Composition) and MAT 1033 (Intermediate Algebra). This eligibility can be met through assessment results or course work.

- Completion of the following courses with a grade of 'C' or better is required for continuing enrollment approval: HSC 1531 (Medical Terminology).

- Submit completed application for continuing enrollment to the School of Health Careers and Human Services.

- Applications accepted anytime during the year.

- Selection is made once per year. Applicants that have a 2.5 Cumulative GPA or higher will be given priority acceptance. Applicants with higher cumulative GPA's and successful completion of all prerequisite and corequisite courses will be considered more favorably.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- A pre-admission consultation with the assistant chair is recommended.

- All program specific courses and general education courses must be completed with a grade 'C' or better. Program specific courses must have been completed within one year and evaluated by the assistant chair. All other substitutions must be approved by the Assistant Chair.

- Students will be held accountable for the policies and procedures of the Health Information Technology program as outlined in the Health

General Education Courses

Course	Title		

General Education Core - 18 Credits

... ...   **Communications Core (3 credits)**

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*

... ...   **Mathematics Core (3 credits)**

		SEM HRS	
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

... ...   **Sciences Core (3 credits)**

		SEM HRS	
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*

... ...   **Humanities, Cultural & Aesthetic Core (3 credits)**

... ...   **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

... ...   **Behavioral & Social Sciences Core (3 credits)**

		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

... ...   **Elective Core (3 credits)**
... ...   **Choose from the College Transfer Elective List**

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title		
		SEM HRS	

Course	Title	SEM HRS	
HSC1531	Medical Terminology	4.00	
CGS2100	Microcomputer Applications	3.00	
HIM1000	Introduction to Health Information Management	2.00	*Pre-Reqs: HSC1531 Conc-Reqs: HIM1000L*
HIM1000L	Introduction to Health Information Management Lab	1.00	*Conc-Reqs: HIM1000*
HIM1222	Beginning ICD-9/10 CM Coding	3.00	*Co-Reqs: HIM1000 Pre-Reqs: HSC1531 Conc-Reqs: HIM1222L*
HIM1222L	Beginning ICD-9/10 CM Coding Lab	1.00	*Conc-Reqs: HIM1222*
HIM1273	Billing and Reimbursement Methods	2.00	*Pre-Reqs: HIM1222L AND HIM1222*
HIM2012	Legal Aspects of Health Records	2.00	*Pre-Reqs: HIM1000*
HIM2214	Health Information Management Statistics	3.00	*Pre-Reqs: HIM1000 AND HIM2800*
HIM2234	Advanced ICD-9/10 CM Coding	4.00	*Pre-Reqs: HIM1222 Conc-Reqs: HIM2234L*
HIM2234L	Advanced ICD-9/10 CM Coding Lab	1.00	*Conc-Reqs: HIM2234*
HIM2253	Beginning CPT Coding	2.00	*Pre-Reqs: HIM1222 AND HSC1531 Conc-Reqs: HIM2253L*
HIM2253L	Beginning CPT Coding Lab	1.00	*Conc-Reqs: HIM2253*
HIM2430	Concepts of Diseases	4.00	*Co-Reqs: HIM2442 Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020*
HIM2442	Pharmacology and Lab	1.00	*Co-Reqs: HIM2430*
HIM2400	Health Records in Alternate Settings	2.00	*Co-Reqs: HIM2234 Pre-Reqs: HIM2800 AND HIM1000*
HIM2500	Quality Assurance and Compliance	2.00	*Pre-Reqs: HIM2214 AND HIM1000 AND HIM2810 OR HIM2800*
HIM2512	Health Information Systems Management	2.00	*Pre-Reqs: HIM2800*
HIM2652	Electronic Health Record	2.00	*Pre-Reqs: HIM1000*
HIM2283	Advanced CPT Coding	2.00	*Pre-Reqs: HIM2253 Conc-Reqs: HIM2283L*
HIM2283L	Advanced CPT Coding Lab	1.00	*Conc-Reqs: HIM2283*
HIM2800	Coding Professional Practice Experience I	1.00	*Pre-Reqs: HIM2253*
HIM2810	Professional Practice Experience II	2.00	*Pre-Reqs: HIM2800*
HIM2820	Professional Practice Experience III	2.00	*Pre-Reqs: HIM2800*
HIM2920	Health Information Management Seminar	2.00	*Pre-Reqs: HIM2283 AND HIM2400*

Sample Program of Study

Course **Title**

... ...   **Prerequisite Course**

		SEM HRS
HSC1531	Medical Terminology	4.00

... ...   **First Year - 1st Semester - Spring**

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*
HIM1000	Introduction to Health Information Management	2.00	*Pre-Reqs: HSC1531 Conc-Reqs: HIM1000L*
HIM1000L	Introduction to Health Information Management Lab	1.00	*Conc-Reqs: HIM1000*
HIM1222	Beginning ICD-9/10 CM Coding	3.00	*Co-Reqs: HIM1000 Pre-Reqs: HSC1531 Conc-Reqs: HIM1222L*
HIM1222L	Beginning ICD-9/10 CM Coding Lab	1.00	*Conc-Reqs: HIM1222*

... ...   **2nd Semester - Summer**

Course	Title	SEM HRS	
CGS2100	Microcomputer Applications	3.00	
HIM2012	Legal Aspects of Health Records	2.00	*Pre-Reqs: HIM1000*
HIM2253	Beginning CPT Coding	2.00	*Pre-Reqs: HIM1222 AND HSC1531 Conc-Reqs: HIM2253L*
HIM2253L	Beginning CPT Coding Lab	1.00	*Conc-Reqs: HIM2253*

... ...   **3rd Semester - Fall**

Course	Title	SEM HRS	
HIM2283	Advanced CPT Coding	2.00	*Pre-Reqs: HIM2253 Conc-Reqs: HIM2283L*
HIM2283L	Advanced CPT Coding Lab	1.00	*Conc-Reqs: HIM2283*
HIM2430	Concepts of Diseases	4.00	*Co-Reqs: HIM2442 Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020*
HIM2442	Pharmacology and Lab	1.00	*Co-Reqs: HIM2430*
HIM1273	Billing and Reimbursement Methods	2.00	*Pre-Reqs: HIM1222L AND HIM1222*

HIM2800	Coding Professional Practice Experience I	1.00	*Pre-Reqs: HIM2253*

Second Year - 1st Semester - Spring

		SEM HRS	
HIM2214	Health Information Management Statistics	3.00	*Pre-Reqs: HIM1000 AND HIM2800*
HIM2400	Health Records in Alternate Settings	2.00	*Co-Reqs: HIM2234 Pre-Reqs: HIM2800 AND HIM1000*
HIM2652	Electronic Health Record	2.00	*Pre-Reqs: HIM1000*
HIM2234	Advanced ICD-9/10 CM Coding	4.00	*Pre-Reqs: HIM1222 Conc-Reqs: HIM2234L*
HIM2234L	Advanced ICD-9/10 CM Coding Lab	1.00	*Conc-Reqs: HIM2234*
HIM2810	Professional Practice Experience II	2.00	*Pre-Reqs: HIM2800*

Second Year - 2nd Semester - Summer

		SEM HRS	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
... ...	**Elective Core**	3.00	

Second Year - 3rd Semester - Fall

		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
HIM2500	Quality Assurance and Compliance	2.00	*Pre-Reqs: HIM2214 AND HIM1000 AND HIM2810 OR HIM2800*
HIM2512	Health Information Systems Management	2.00	*Pre-Reqs: HIM2800*
HIM2820	Professional Practice Experience III	2.00	*Pre-Reqs: HIM2800*
HIM2920	Health Information Management Seminar	2.00	*Pre-Reqs: HIM2283 AND HIM2400*

| **TOTAL** | ... | **70.00** | |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Students wishing to transfer to a four year bachelors of science program should take BSC 1085/1085L (Human Anatomy & Physiology I and Lab) and BSC 1086/1086L (Human Anatomy & Physiology II and Lab) instead of BSC 1020 (Human Biology).

Hospitality Management

Program Mission, Description, and Outcomes

Mission:

The Hospitality Management Program at Daytona State College is committed to providing a quality education incorporating both theory and practice in order to prepare professionally responsible and capable individuals who will demonstrate value to employers within the hospitality industry. Additionally, our mission is to provide the hospitality industry with leaders who will make meaningful contributions to both the industry and their communities.

Description:

This program provides a solid foundation in hospitality management skills including travel and tourism, food preparation, property management, hotel/motel basics, and service management.

Graduates of this program are eligible to enroll in Daytona State's Bachelor of Applied Science in Supervision and Management Program. Call (386) 506-4BAS or e-mail BASinfo@DaytonaState.edu for details.

Outcomes:

Graduates of the program will be able to:
1. Discuss the various components of a successful lodging operation.
2. Formulate and analyze hospitality industry marketing strategies including targeting, positioning and consumer behaviors.
3. Discuss the specialized needs of marketing within the hospitality industry.
4. Describe leadership styles applicable to the hospitality industry.
5. Explain how effective communication skills are important to success as a hospitality supervisor and describe personal characteristics that affect communication skills.
6. Differentiate between problem solving and decision making, and apply decision making skills and techniques to solving problems.
7. Describe the organizational structure of small, medium, and large operations within the hospitality industry, including, but not limited to hotels and restaurants.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Lab Fees charged per Food Production Course for Food Costs: $150
Uniforms: $125

Professional Cutlery: $260

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course depending upon college placement test scores.

- All Program Specific Courses require a grade of "C" or better.

Careers

Manager in Hotel/Lodging Industry, Resorts, Spas, Corporate, Country Clubs, Restaurants and Food Service Industry.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core - (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation	3.00	*Pre-Reqs: ENC1101*

Skills

Mathematics Core (3 Credits)
Choose One Course

Course	Title	SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

Behavioral & Social Sciences Core (3 credits)
Choose One Course

Course	Title	SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

Humanities, Cultural & Aesthetic Core (3 credits)
Choose One Course

Course	Title	SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course   Title

Program Specific Courses

Course	Title	SEM HRS	
FOS1201	Sanitation and Safety	3.00	
FSS1202	Food Production I	2.00	*Co-Reqs: FOS1201 Conc-Reqs: FSS1202L*
FSS1202L1	Food Production I Lab	1.00	*Conc-Reqs: FSS1202*
FSS12222	Food Production II	2.00	*Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L*
FSS1222L	Food Production II Lab	1.00	*Conc-Reqs: FSS1222*
FSS22843	Catering and Buffet Management	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS2284L*
FSS2284L	Catering and Buffet Management Lab	1.00	*Conc-Reqs: FSS2284*
HFT1000	Introduction to Hospitality Industry	3.00	
HFT2282	Hospitality Supervision	3.00	
HUN1203	Culinary Nutrition	3.00	
HFT19403	Hospitality Practicum I (Basic)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L*
HFT1940L	Hospitality Practicum I Lab (Basic)	1.00	*Conc-Reqs: HFT1940*
HFT19413	Hospitality Practicum II (Intermediate)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT1941L*
HFT1941L	Hospitality Practicum II Lab (Intermediate)	1.00	*Conc-Reqs: HFT1941*
HFT2750	Hospitality and Tourism Marketing	3.00	
HFT2742	Global Meetings and Exhibitions	3.00	*Pre-Reqs: HFT1000*
HFT1410	Lodging Operations I	3.00	
HFT2313	Lodging Operations II	3.00	
HFT1261	Hospitality Service	3.00	
HFT2461	Hospitality Managerial Finance	3.00	
HFT2600	Hospitality Law	3.00	

Additional Required Courses

Course	Title	SEM HRS
LIS2004	Introduction to Internet Research **OR**	

OST1141	Keyboarding	1.00	

Sample Program of Study

Course	Title		

... ...	**FIRST YEAR**		
... ...	**1st Semester**		

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
FOS1201	Sanitation and Safety	3.00	
HFT1000	Introduction to Hospitality Industry	3.00	
... ...	**Mathematics Core**	3.00	
HUN1203	Culinary Nutrition	3.00	

... ...	**2nd Semester**		

		SEM HRS	
FSS1202[1]	Food Production I	2.00	*Co-Reqs: FOS1201 Conc-Reqs: FSS1202L*
FSS1202L	Food Production I Lab	1.00	*Conc-Reqs: FSS1202*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
FSS1222[2]	Food Production II	2.00	*Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L*
FSS1222L	Food Production II Lab	1.00	*Conc-Reqs: FSS1222*
HFT1261	Hospitality Service	3.00	
HFT1940[3]	Hospitality Practicum I (Basic)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L*
HFT1940L	Hospitality Practicum I Lab (Basic)	1.00	*Conc-Reqs: HFT1940*

... ...	**Summer Semester**		

		SEM HRS	
HFT2282	Hospitality Supervision	3.00	
HFT1941[3]	Hospitality Practicum II (Intermediate)	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: HFT1941L*
HFT1941L	Hospitality Practicum II Lab (Intermediate)	1.00	*Conc-Reqs: HFT1941*

... ...	**SECOND YEAR**		
... ...	**1st Semester**		

		SEM HRS	
HFT1410	Lodging Operations I	3.00	
HFT2313	Lodging Operations II	3.00	
HFT2600	Hospitality Law	3.00	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
FSS2284[3]	Catering and Buffet Management	2.00	*Pre-Reqs: FSS1222 Conc-Reqs: FSS2284L*
FSS2284L	Catering and Buffet Management Lab	1.00	*Conc-Reqs: FSS2284*

... ...	**2nd Semester**		

		SEM HRS	
HFT2742	Global Meetings and Exhibitions	3.00	*Pre-Reqs: HFT1000*
HFT2461	Hospitality Managerial Finance	3.00	
... ...	**Behavioral & Social Sciences Core**	3.00	
OST1141	Keyboarding **OR**		
LIS2004	Introduction to Internet Research	1.00	
HFT2750	Hospitality and Tourism Marketing	3.00	

TOTAL	...	**64.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes
1. Co-Req: FOS1201
2. Pre-Req: FSS1202
3. Pre-Req: FSS1222

Human Services (Addictions Specialization)

Program Information

A.S. Degree - Code 2007 - Catalog 2012/2013

Olu Eniwaye, Assistant Chair, 386-506-3746, Eniwayo@daytonastate.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

08/23/2012 M - 1295

Program Mission, Description, and Outcomes

Mission:

To provide skilled human professionals in Addictions Specialization for Human Services Agencies.

Description:

Human Services program is designed as an umbrella program for the fields of psychology, mental health, addictions, social work, sociology and health care. The Program prepares students for employment in the field of human services. Students in the program integrate knowledge and practice skills through community and college service work, and professionally supervised COOPs in a wide variety of human service agencies and programs. The Human Services program is the Source Provider for the Florida Certification Board. Upon completion of the coursework, students are prepared to meet virtually all educational requirements for certification professionals. Associate degrees assist students to acquire additional skills that lead to a bachelor's degree. The COOP experience completed on campus or off campus in human services agencies provide students a unique opportunity to practice professional responsibilities through the Human Services Program, its Club, and the regional and national Organizations for Human Services.

Note: It is extremely important that students take coursework in a specific order. For that reason, new students need to schedule an interview with the assistant chair. Orientation is mandatory.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate an understanding of the Human Service profession.
2. Discuss the role(s) of the Human Service worker in evaluating clients as human services assistants.
3. Describe the goals and tasks of the Human Services worker and relate the goals and tasks to case management, advocacy and the social broker.
4. Discuss a variety of major requirements as specified in the catalog for code 2007.
5. Describe the goals and tasks of the Human Services worker.
6. Learn work ethics and demonstrate them with agency participation and professional organizations.

7. Demonstrate skill learning by participating in externship or COOP Experience.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

FDLE/FBI Background Screening: $90

Additional Admission Requirements

- Submit completed application for continuing enrollment to the School of Health Careers and Human Services.

- Attend mandatory program orientation.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI). Some exceptions may apply depending on externship facility placement.

- COOP facilities may elect to do a more extensive background check in addition to the initial requirement.

- Minimum GPA of 2.0 required.

- Students will be held accountable for the policies and procedures outlined in the College Student handbook.

General Education Courses

Course   Title

| ... ... | **General Education Core - 15 Credits** |
| ... ... | **Communications Core (6 credits)** |

SEM HRS

| ENC1101 | College Composition | 3.00 | *Pre-Reqs: ENC0025 AND REA0017* |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3.00 | *Pre-Reqs: ENC1101* |

... ... **Mathematics Core (3 credits)**

		SEM HRS	
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**
... ... **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

... ... **Behavioral & Social Sciences Core (3 credits)**

| | | SEM HRS | |
| DEP2004 | Developmental Psychology | 3.00 | *Co-Reqs: ENC1101* |

... ... **Additional Required Course - 3 Credits**

| | | SEM HRS | |
| PSY1012 | General Psychology | 3.00 | *Co-Reqs: ENC1101* |

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
CLP2140	Abnormal Psychology	3.00	*Co-Reqs: ENC1101*
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
HUS1001	Introduction to Human Services	3.00	
HUS1332	Advanced Counseling/Interview Skills	3.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS1530	The Disabled Experience	3.00	
HUS1550	Human Services and the Disenfranchised	3.00	
HUS1850	Human Services Externship I	4.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS2008	Survey of Counseling Theory and Practice	3.00	
HUS2200	Group Dynamics	3.00	*Co-Reqs: HUS2851 OR HUS2949 Pre-Reqs: HUS1332*
HUS2424	Addictions and Treatment	3.00	
HUS2441	Addictions, Families, and Communities	3.00	
HUS2500	Issues and Ethics in Human Services	3.00	
HUS2851	Human Services Externship II	4.00	*Pre-Reqs: HUS1850 AND HUS1332*
HUS2852	Human Services Externship III	4.00	*Pre-Reqs: HUS2851*
HUS2933	Human Services Seminar	1.00	
PCO2202	Counseling Techniques	3.00	
SOP2772	Psychology of Human Sexuality	3.00	*Co-Reqs: ENC1101*
PSB2442	Addictions I - Psychology of Addictions	3.00	

Elective (3 credits) - Choose one:

Course	Title	SEM HRS	
CCJ1020	Introduction to Criminal Justice	3.00	
CJJ2002	Juvenile Delinquency	3.00	
REL2300	World Religion	3.00	*Pre-Reqs: ENC1101*
SLS1122	Dynamics of Student Success **OR**	3.00	

The following three courses:

Course	Title	SEM HRS
LIS2004	Introduction to Internet Research	1.00
OST2828	Business Presentation Software	1.00
SLS2304	Career Exploration	1.00

Sample Program of Study

Course   Title

1st Semester - Fall

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
HUS1001	Introduction to Human Services	3.00	
HUS1530	The Disabled Experience	3.00	
HUS2933	Human Services Seminar	1.00	
PCO2202	Counseling Techniques	3.00	

2nd Semester - Spring

Course	Title	SEM HRS	
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
HUS1332	Advanced Counseling/Interview Skills	3.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS2008	Survey of Counseling Theory and Practice	3.00	
HUS1550	Human Services and the Disenfranchised	3.00	
PSB2442	Addictions I - Psychology of Addictions	3.00	

Summer Semester

Course	Title	SEM HRS	
HUS1850	Human Services Externship I	4.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS2500	Issues and Ethics in Human Services	3.00	
... ...	**Elective**	3.00	

Second Year - 1st Semester

Course	Title	SEM HRS
... ...	**Humanities, Cultural & Aesthetic Core**	3.00

Course	Title	SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
HUS2200	Group Dynamics	3.00	*Co-Reqs: HUS2851 OR HUS2949 Pre-Reqs: HUS1332*
HUS2424	Addictions and Treatment	3.00	
HUS2851	Human Services Externship II	4.00	*Pre-Reqs: HUS1850 AND HUS1332*

2nd Semester

Course	Title	SEM HRS	
CLP2140	Abnormal Psychology	3.00	*Co-Reqs: ENC1101*
HUS2441	Addictions, Families, and Communities	3.00	
HUS2852	Human Services Externship III	4.00	*Pre-Reqs: HUS2851*
SOP2772	Psychology of Human Sexuality	3.00	*Co-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

TOTAL ...   **73.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Human Services Assistant Specialization

Program Information

A.S. Certificate - Code 0814 - Catalog 2012/2013
Olu Eniwaye, Assistant Chair, 386-506-3746, Eniwayo@daytonastate.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, 386-506-3052, brownm@DaytonaState.edu

09/14/2012 M - 1328

Program Mission, Description, and Outcomes
Mission:
To provide skills for Human Services Assistants in the Human Services Profession.

Description:
The purpose of this program is to prepare students with the knowledge and skills needed in criminal justice and rehabilitation fields. Students are prepared with entry-level job skills to assist addiction specialists, substance abuse counselors and social practitioners. Credits earned in this certificate program may be applied toward the AS Degree in Human Services (Addictions Specialization).

Outcomes:
Graduates of the program will be able to:
1. Demonstrate an understanding of the Human Service profession.
2. Discuss the role(s) of the Human Service worker in evaluating clients as human services assistants.
3. Describe the goals and tasks of the Human Services worker and relate the goals and tasks to case management, advocacy and the social broker.
4. Discuss a variety of major requirements as specified in the catalog for code 0814.
5. Learn work ethics and demonstrate them with agency participation by externship or COOP Experience.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Program Tuition and Fees: $2,821*
Access Fee: $213 ($7.90 per credit)
Assessment Fee: $30
FDLE/FBI Background Check: $90

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
-General Education Courses must be completed with a grade of "C" or better.

-Attend mandatory program orientation.

-Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI). Some exceptions may apply depending on externship facility placement.

-COOP agencies may elect to do a more extensive background check in addition to the initial requirement.

-Students will be held accountable for the policies and procedures outlined in the College Student handbook.

Careers
The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters for a full-time student, with no students graduating within 2 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field: no data available at this time.

For additional career information, please see:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title		

General Education Core - 3 Credits

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*

Additional Required Course - 1 Credit

		SEM HRS	
LIS2004	Introduction to Internet Research	1.00	

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
HUS1001	Introduction to Human Services	3.00	
HUS1332	Advanced Counseling/Interview Skills	3.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS1530	The Disabled Experience	3.00	
HUS1550	Human Services and the Disenfranchised	3.00	
HUS1850	Human Services Externship I	4.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS2933	Human Services Seminar	1.00	
PCO2202	Counseling Techniques	3.00	
PSB2442	Addictions I - Psychology of Addictions	3.00	

Sample Program of Study

Course	Title		

Prerequisite Courses

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
LIS2004	Introduction to Internet Research	1.00	

1st Semester - Fall

		SEM HRS	
HUS1001	Introduction to Human Services	3.00	
HUS1530	The Disabled Experience	3.00	
PCO2202	Counseling Techniques	3.00	

2nd Semester Spring

		SEM HRS	
HUS1332	Advanced Counseling/Interview Skills	3.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS1550	Human Services and the Disenfranchised	3.00	
HUS1850	Human Services Externship I	4.00	*Pre-Reqs: PCO2202 AND HUS1001*
HUS2933	Human Services Seminar	1.00	
PSB2442	Addictions I - Psychology of Addictions	3.00	

TOTAL ... **27.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Industrial Management Technology (Limited Access Program)

Program Information

A.S. Degree - Code 2221 - Catalog 2012/2013

John Weiss, Assit.Chair, Applied Business, 386-506-3792, weissj@daytonastate.edu

Morgan Hathaway, Retention Specialist, 386-506-3402,

10/11/2012 M - 1335

Program Mission, Description, and Outcomes

Mission:

The mission of the Industrial Management Technology program is to provide the knowledge and skills necessary to progress in their program of study to completion of an Associate of Science Degree.

Description:

This limited access program is designed to provide graduates of certificate and registered apprenticeship programs additional technical and supervisory skills, while enhancing the basic general education skills necessary for placement in entry-level management positions. With the Industrial Management Technology program students can advance in their field and elevate their overall performance. This program will increase their technical knowledge and enhance their communication, computation and job skills. Students will learn to:
- Organize, control and update materials and tools inventories
- Analyze and interpret personnel organization charts
- Rough out job descriptions for specific positions
- Supervise production activities and ensure compliance with quality standards
- Manage and supervise production crews
- Prepare periodical production, schedule compliance and safety reports
- Implement and assess new management systems

Outcomes:

Graduates of the program will be able to:
1. Demonstrate knowledge and ability to follow rules and regulations.
2. Identify and use different tools, equipment, materials, and products used in the industry.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to theory, applications, troubleshooting and safety.
4. Demonstrate knowledge and skill in commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects related to the field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at http://www.fafsa.gov For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships

Additional Admission Requirements

Students must have completed an appropriate registered apprenticeship or certificate program of 700 contact hours or equivalent with a GPA of 2.0 or better. Demonstrated work experience with supporting documentation equivalent to a registered apprenticeship or certificate may be acceptable. The certificate or registered apprenticeship program will be evaluated based on Assessment of Prior Learning Experience(APLE) portfolio showing proof of successful achievement of program outcome. If approved, credit will be awarded as BCT 2990 (Technical Training) for 23 credit hours.

A pre-admission consultation with the Chairperson, College of Workforce or Associate Vice President, College of Workforce and Continuing Education is required.

Careers

Team leaders, shift supervisors, crew managers, project managers, foremen and project directors

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course   Title

... ...   **General Education Core - 15 Credits**

Communications Core (6 credits)

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ... **Mathematics Core (3 credits)**

		SEM HRS	
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

... ... **Behavioral & Social Sciences Core (3 credits)**
... ... **Choose One Course**

		SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**
... ... **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS
BCT2990	Technical Training	23.00
CGS2100	Microcomputer Applications	3.00
EGS1000	Professional Performance for Technicians	3.00
GEB1011	Introduction to Business	3.00
MAN2021	Principles of Management	3.00
MNA2161	Quality Service Management	3.00
MNA2345	Supervision of Personnel	3.00
MNA2949	Cooperative Education Experience in Management	4.00

Sample Program of Study

Course	Title
... ...	**First Year**
... ...	**1st Semester**

		SEM HRS	
BCT2990	Technical Training	23.00	

... ...	**Second Year**		
... ...	**1st Semester**		

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
... ...	**Mathematics Core**	3.00	
CGS2100	Microcomputer Applications	3.00	
GEB1011	Introduction to Business	3.00	
MNA2161	Quality Service Management	3.00	

... ...	**2nd Semester**		

		SEM HRS	
... ...	**Behavioral & Social Sciences Core**	3.00	
EGS1000	Professional Performance for Technicians	3.00	
MAN2021	Principles of Management	3.00	
MNA2345	Supervision of Personnel	3.00	
MNA2949	Cooperative Education Experience in Management	4.00	

... ...	**3rd Semester**		

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
TOTAL	...	**60.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Information Technology Administration

Program Information

A.S. Certificate - Code 0902 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Jameal Adkins, Assistant Chair, 386-506-4139, adkinsja@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

07/30/2012 M - 1215

Program Mission, Description, and Outcomes

Mission:
The certificate program provides the student a basic understanding of the technology used in web development along with proficiency in hardware and software tools. The program is aligned with the industry standards and prepares students for further education and careers in Information Technology cluster.

Description:
The certificate program in Information Technology Administration provides the student a solid understanding of web based technology. The student develops proficiency with hardware and software installation, networked environment, development and use software tools and web programming language in building, maintaining and optimizing websites for personal and business use. The content prepares students to work in Internet, Intranet, and Extranet environments; installing and configuring Intranet and web based resources.

Outcomes:
Graduates of the program will be able to:
1. Design and implement websites with logical structure, organization, and navigation.
2. Demonstrate understanding of networked environments, hardware and software.
3. Assess, evaluate and understand installation and configuration of computer hardware and related software.
4. Evaluate and support web design/development and web site management activities.

5. Evaluate and illustrate e-commerce-related tasks.

Note: To ensure Financial Aid program eligibility, students need to also be accepted to the parallel associate degree program.

Approximate Additional Costs

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships

Program Tuition and Fees: $1,881*
Access Fee: $142 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $20
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Most of these courses count towards the AS degree in Networking Services Technology, and some courses could be applied towards AS degrees in Computer Programming and Analysis, Computer Information Technology, Internet Services Technology, and Computer Engineering Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

11-3021.00 Computer and Information Systems Managers http://onetoline.org/link/summary/11-3021.00
15-1021.00 Computer Programmers http://www.onetonline.org/link/summary/15-1021.00
15-1041.00 Computer Support Specialists http://www.onetonline.org/link/summary/15-1041.00 Bright Outlook

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CET2154	A+:Computer Operating Systems	4.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*
CGS2821	Advanced Web Programming (XML, ASP.Net, SQL Server)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
COP1000	Principles of Computer Programming	3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	

Sample Program of Study

Course	Title	SEM HRS	

... ... **1st Semester**

Course	Title	SEM HRS	
CET2154	A+:Computer Operating Systems	4.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
COP1000	Principles of Computer Programming	3.00	

... ... **2nd Semester**

Course	Title	SEM HRS	
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*
CGS2821	Advanced Web Programming (XML, ASP.Net, SQL Server)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	

TOTAL	...	**18.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Information Technology Analysis

Program Information

A.S. Certificate - Code 0903 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Jameal Adkins, Assistant Chair, 386-506-4139, adkinsja@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

07/30/2012 M - 1216

Program Mission, Description, and Outcomes

Mission:
The program provides the student a basic understanding of microcomputer operating procedures, software application packages and knowledge of configuring, maintaining and troubleshooting hardware related to a microcomputer based work environment.

Description:
The certificate program in Information Technology Analysis prepares the student to review microcomputer oriented operating procedures, software applications packages, and hardware in order to select the appropriate information technology equipment for a particular microcomputer based environment; install information technology equipment, troubleshoot information technology equipment, support technology users.

Outcomes:
Graduates of the program will be able to:
1. Perform installation and configuration of computer hardware and software.
2. Design, create, and test a network environment.
3. Demonstrate understanding of internet structure, organization and navigation.
4. Plan, perform and evaluate technical system support functions.
5. Design, perform and evaluate troubleshooting activities.
6. Plan and perform systems monitoring activities.

7. Assess and perform computer information systems analysis activities.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,821*
Access Fee: $213 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $65
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Most of these courses count toward the AS degree in Networking Services Technology, and some courses could be applied toward AS degrees in Computer Programming and Analysis, Computer Information Technology, Internet Services Technology, and Computer Engineering Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 6% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%

15-1051.00 Computer Systems Analysts http://www.onetonline.org/link/summary/15-1051.00
15-1021.00 Computer Programmers http://www.onetonline.org/link/summary/15-1021.00
15-1041.00 Computer Support Specialists http://www.onetonline.org/link/summary/15-1041.00
15-1071.01 Computer Security Specialists http://www.onetonline.org/help/bright/15-1071.01

15-1081.00 Network Systems and Data Communications Analysts http://www.onetonline.org/link/summary/15-1081.00
43-9011.00 Computer Operators http://www.onetonline.org/link/summary/43-9011.00

For additional Information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151051&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
DIG1109	Digital Imaging Fundamentals	3.00	
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	*Pre-Reqs: CGS2100*
CTS1851	Internet Web Foundations (HTML. CSS)	3.00	
CET2154	A+:Computer Operating Systems	4.00	
CET1600	Network Plus	4.00	
CGS2100	Microcomputer Applications	3.00	
COP1000	Principles of Computer Programming	3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems	1.00	

Sample Program of Study

Course	Title	

... ... **1st Semester**

Course	Title	SEM HRS
CET2154	A+:Computer Operating Systems	4.00
DIG1109	Digital Imaging Fundamentals	3.00
CGS2100	Microcomputer Applications	3.00
COP1000	Principles of Computer Programming	3.00

... ... **2nd Semester**

Course	Title	SEM HRS	
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	*Pre-Reqs: CGS2100*
CTS1851	Internet Web Foundations (HTML. CSS)	3.00	
CET1600	Network Plus	4.00	

... ... **3rd Semester**

Course	Title	SEM HRS	
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
CIS2949	Cooperative Education Experience in Computer and Information Systems	1.00	

TOTAL	...	**27.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Information Technology Management

Program Information

A.S. Certificate - Code 0904 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Timothy Pintello, Assistant Chair, 386-506-4126, pintelt@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The certificate program prepares the student to plan, install, configure, and monitor computer networks in a LAN/WAN environment. Students will also be able to understand, plan, manage and implement security in a networked environment.

Description:
The certificate program in Information Technology Management prepares the students to plan, install, configure, and monitor computer networks in a LAN/WAN environment. Students will be able to understand, plan, manage and implement security in a networked environment. Students will be prepared to apply conceptual and theoretical knowledge to the workplace utilizing technical skills learned during the program.

Outcomes:
Graduates of the program will be able to:
1. Design, create, and test a network environment.
2. Present how data communications protocols and devices interact with each other.
3. Arrange, install, and configure network hardware and software.
4. Arrange, install, and configure computer hardware and software.
5. Plan and perform internetworking administration, management, and other activities.
6. Plan and perform troubleshooting and maintenance on network hardware and software.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,134*
Access Fee: $237 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $70
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Most of these courses count toward the AS degree in Networking Services Technology, and some courses could be applied toward AS degrees in Computer Information Technology, Computer Engineering Technology and Electronics Engineering Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 4% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

11-3021.00 Computer and Information Systems Managers http://www.onetonline.org/link/summary/11-3021.00
15-1021.00 Computer Programmers http://www.onetonline.org/link/summary/15-1021.00
15-1041.00 Computer Support Specialists http://www.onetonline.org/link/summary/15-1041.00

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*
CET1600	Network Plus	4.00	
CET2154	A+:Computer Operating Systems	4.00	
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CET2660	Fundamentals of Network Security	4.00	*Pre-Reqs: CET1600 AND CTS2321*
CTS2328	Managing and Maintaining a Windows Network Environment	4.00	*Pre-Reqs: CTS2306*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
CET2154	A+:Computer Operating Systems	4.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
CET1600	Network Plus	4.00	
... ...	**2nd Semester**		
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CTS2328	Managing and Maintaining a Windows Network Environment	4.00	*Pre-Reqs: CTS2306*
... ...	**3rd Semester**		
CET2660	Fundamentals of Network Security	4.00	*Pre-Reqs: CET1600 AND CTS2321*
CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*
TOTAL	...	**30.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Information Technology Support Specialist

Program Information

A.S. Certificate - Code 0905 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Jameal Adkins, Assistant Chair, 386-506-4139, adkinsja@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The certificate program in Information Technology Support Specialist provides the student with an understanding of the computer hardware and software and its interaction in a networked environment and supporting technology users.

Description:
The certificate program in Information Technology Support Specialist provides the student with a solid understanding of the computer hardware and software and its interaction in a networked environment. The certificate program also provides soft skills and technical skills for providing customer support in a networked office and business environment. The course content prepares students to install, troubleshoot information technology equipment and support its users.

Outcomes:
Graduates of the program will be able to:
1. Design, create, and test a network environment.
2. Arrange, install, and configure network hardware and software.
3. Arrange, install, and configure computer hardware and software.
4. Plan and perform internetworking administration, management, and other activities.
5. Plan and perform troubleshooting and maintenance on network hardware and software.

6. Plan and perform systems monitoring activities and customer service skills.

Note: To ensure Financial Aid program eligibility, students need to also be accepted to the parallel associate degree program.

Approximate Additional Costs

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Program Tuition and Fees: $1,881*
Access Fee: $142 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $40
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Most of these courses count towards the AS degree in Networking Services Technology, and some courses could be applied towards AS degrees in Computer Programming and Analysis and Computer Information Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 88%.

15-1041.00 Computer Support Specialists http://www.onetonline.org/link/summary/15-1041.00
15-1051.00 Computer Systems Analysts http://www.onetonline.org/link/summary/15-1051.00
15-1071.01 Computer Security Specialists http://www.onetonline.org/help/bright/15-1071.01
15-1081.00 Network Systems and Data Communications Analysts http://www.onetonline.org/help/bright/15-1081.00

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CET2154	A+:Computer Operating Systems	4.00	
CET1600	Network Plus	4.00	
CGS2100	Microcomputer Applications	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CET2154	A+:Computer Operating Systems	4.00	
CGS2100	Microcomputer Applications	3.00	
... ...	**2nd Semester**		
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CET1600	Network Plus	4.00	
TOTAL	...	**18.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Information Technology Technician

Program Information

A.S. Certificate - Code 0906 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Timothy Pintello, Assistant Chair, 386-506-4126, pintelt@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/07/2012 M - 1237

Program Mission, Description, and Outcomes

Mission:
The certificate program provides the student a basic understanding of hardware and software interacting with each other. The program also includes some basic networking concepts and the use of software application packages in a technology environment.

Description:
The certificate program in Information Technology Technician prepares the student to plan, install, configure, and monitor computer networks in a LAN/WAN environment. Students will be prepared to apply conceptual and theoretical knowledge to the workplace utilizing technical skills learned during the program.

Outcomes:
Graduates of the program will be able to:
1. Design, create, and test a network environment.
2. Arrange, install, and configure network hardware and software.
3. Arrange, install, and configure computer hardware and software.
4. Plan and perform internetworking administration, management, data communications and other activities.

5. Plan and perform troubleshooting and maintenance on network hardware and software.

Note: To ensure Financial Aid program eligibility, students need to also be accepted to the parallel associate degree program.

Approximate Additional Costs
Program Tuition and Fees: $2,194*
Access Fee: $166 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $70
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers
Most of these courses count toward the AS degree in Networking Services Technology, and some courses could be applied toward AS degrees in Computer Information Technology, Computer Engineering Technology and Electronics Engineering Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 73%.

15-1041.00 Computer Support Specialists http://www.onetonline.org/link/summary/15-1041.00
15-1051.00 Computer Systems Analysts http://www.onetonline.org/link/summary/15-1051.00
15-1071.01 Computer Security Specialists http://www.onetonline.org/help/bright/15-1071.01
15-1081.00 Network Systems and Data Communications Analysts http://www.onetonline.org/link/summary/15-1081.00

For additional Information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151041&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*
CET1600	Network Plus	4.00	
CET2154	A+:Computer Operating Systems	4.00	
EGS1000	Professional Performance for Technicians	3.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

Sample Program of Study

Course	Title	SEM HRS	

... ... 1st Semester

Course	Title	SEM HRS	
CET2154	A+:Computer Operating Systems	4.00	
CET1600	Network Plus	4.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

... ... 2nd Semester

Course	Title	SEM HRS	
CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*
EGS1000	Professional Performance for Technicians	3.00	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*

TOTAL ... **21.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Interior Design Technology

Program Mission, Description, and Outcomes

Mission:

The mission of the Interior Design Technology program is to provide students the knowledge, practice and skill development necessary to progress in their program of study to completion of an Associate of Science degree.

Description:

The program provides a solid foundation in the principles and elements of design with an emphasis on interior projects, including furniture arrangements, historical styles, selecting furnishing, colors, materials, accessories, and estimating for window treatments, wallpaper, and flooring. Along with knowledge of the complex and diverse interior design profession, students are given comprehensive information in how to interpret client's wants, incorporate visual and oral presentation techniques, prepare a portfolio and learn computer aided drafting. The program also emphasizes building and barrier free design and commercial and residential space planning.

If an interior design student desires the advantages of licensure, the student must first complete the AS degree program in Interior Design Technology. Upon graduation, the student must work under a licensed architect or interior designer for four years to become eligible to sit for the NCIDQ (National Council for Interior Design Qualification) exam. Upon successful completion of this exam, the student is eligible to apply for licensure in the state of Florida as an interior designer. (Only licensed designers in the state of Florida may practice commercial interior design.)

Outcomes:

Graduates of the program will be able to:
1. Demonstrate knowledge and skills to follow rules and regulations.
2. Identify and use different tools, equipment, materials and products used in the industry.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to theory, codes and applications.
4. Demonstrate knowledge and skill in residential, commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects related to the field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

1. Individual Art and Presentation Supplies - $500

2. A lab fee is charged for certain courses - refer to individual course descriptions.

General Education Courses

Course	Title		

... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core (6 credits)**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ...	**Mathematics Core (3 credits)**		
... ...	**Choose One Course**		
		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*

| ... ... | **Behavioral & Social Sciences Core (3 credits)** | | |

... ...   **Choose One Course**

Course	Title	SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ...   **Humanities, Cultural & Aesthetic Core (3 credits)**

Course	Title	SEM HRS	
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
BCN1210	Materials and Processes	3.00	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
BCN1253	Architectural Drawing II	2.00	*Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L*
BCN1253L	Architectural Drawing II Lab	1.00	*Conc-Reqs: BCN1253*
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
ETD2340	Computer Aided Drafting II (AutoCAD)	2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2340*
HHD1321	Introduction to Interior Design	3.00	
HHD1361	Practical Interior Applications	3.00	
IND1001	History of Architecture and Interiors II	3.00	
IND1021	Interior Design Studio I	3.00	*Co-Reqs: BCN1251 AND BCN1251L Pre-Reqs: HHD1321*
IND1211	History of Architecture and Interiors I	3.00	
IND1300	Graphics of Interior Design I	3.00	
IND1429	Textiles for Commercial and Residential Interiors	3.00	
IND1935	Building and Barrier Free Codes	2.00	
IND2210	Interior Design Studio II	3.00	*Pre-Reqs: IND1021*
IND2220	Commercial Interior Design	3.00	*Pre-Reqs: IND1021*
IND2501	Practices of Interior Design	4.00	*Pre-Reqs: IND1021*
IND2608	Sustainable Design	3.00	
IND2949	Cooperative Education Experience in Interior Design	4.00	

... ...   **Elective Courses (Choose 5 credits)**

Course	Title	SEM HRS	
CGS2100	Microcomputer Applications	3.00	
IND1432	Lighting for Interior Design	2.00	
IND2410	Kitchen and Bath Design I	3.00	*Pre-Reqs: HHD1321 AND BCN1251*
IND2411	Materials and Estimating for Kitchen and Bath	2.00	
IND2414	Kitchen and Bath Design II	3.00	*Co-Reqs: ETD2320*

Sample Program of Study

Course	Title

... ...   **First Year**
... ...   **1st Semester**

Course	Title	SEM HRS	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
HHD1321	Introduction to Interior Design	3.00	
IND1211	History of Architecture and Interiors I	3.00	
IND1300	Graphics of Interior Design I	3.00	
IND1429	Textiles for Commercial and Residential	3.00	

Interiors

		2nd Semester		
			SEM HRS	
ENC1101	College Composition		3.00	*Pre-Reqs: ENC0025 AND REA0017*
BCN1253	Architectural Drawing II		2.00	*Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L*
BCN1253L	Architectural Drawing II Lab		1.00	*Conc-Reqs: BCN1253*
IND1001	History of Architecture and Interiors II		3.00	
IND1021	Interior Design Studio I		3.00	*Co-Reqs: BCN1251 AND BCN1251L Pre-Reqs: HHD1321*
ETD2320	Computer Aided Drafting I (AutoCAD)		2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab		1.00	*Conc-Reqs: ETD2320*

		Summer Semester Term A - Six Weeks		
			SEM HRS	
... ...		**Behavioral & Social Sciences Core**	3.00	

		Elective	3.00	
... ...		**Summer Semester Term B - Six Weeks**		
			SEM HRS	
ARH1000	Art Appreciation		3.00	*Co-Reqs: ENC1101*
... ...		**Mathematics Core**	3.00	

		Second Year		
... ...		**1st Semester**		
			SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills		3.00	*Pre-Reqs: ENC1101*
ETD2340	Computer Aided Drafting II (AutoCAD)		2.00	*Pre-Reqs: ETD2320 Conc-Reqs: ETD2340L*
ETD2340L	Computer Aided Drafting II (AutoCAD) Lab		1.00	*Conc-Reqs: ETD2340*
... ...	**Elective**		2.00	
HHD1361	Practical Interior Applications		3.00	
IND2220	Commercial Interior Design		3.00	*Pre-Reqs: IND1021*
IND2608	Sustainable Design		3.00	

		2nd Semester		
			SEM HRS	
BCN1210	Materials and Processes		3.00	
IND2210	Interior Design Studio II		3.00	*Pre-Reqs: IND1021*
IND1935	Building and Barrier Free Codes		2.00	
IND2501	Practices of Interior Design		4.00	*Pre-Reqs: IND1021*
IND2949	Cooperative Education Experience in Interior Design		4.00	
TOTAL	...		**75.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Interior Design Technology - Kitchen and Bath Specialization

Program Information

A.S. Certificate - Code 0816 - Catalog 2012/2013
Bethany Creamer, Assistant Chair, 386-506-4158, creameb@DaytonaState.edu
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

09/14/2012 M - 1317

Program Mission, Description, and Outcomes

Mission:
The mission of the Kitchen and Bath Specialization program is to provide the knowledge and skills necessary to progress in the program of study to completion of an Associate of Science certificate.

Description:
The program provides a solid foundation in the principles and elements of kitchen and bath design with emphasis on selecting materials, color, equipment and finishes that are appropriate. Students are given information on how to interpret clients' wants, incorporate visual and oral presentation techniques, prepare a portfolio and learn computer aided-drafting. The program also emphasizes barrier free design and advanced space planning skills.

This certificate can be directly applied toward the Associate of Science degree in Interior Design Technology, and the Associate of Science degree in Architectural and Building Technology.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and skills to follow rules and regulations.
2. Identify and use different tools, equipment, materials and products used in the industry.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to theory, codes and applications.
4. Demonstrate knowledge and skill in residential, commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects related to the field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $4,075*
Access Fee: $308 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $475
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only: out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Kitchen designer, bath designer, salesperson for kitchen and bath showroom, drafting technician, CAD technician, industry representative, project manager, and design assistant to an architecture or interior design firm. Upon completion, students will be qualified for positions with "to-the-trade-only" fabric/furniture/flooring showrooms serving the interior design professionals.

Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

This is a new program and the typical length of this program is three (3) semesters for a full-time student, with no students graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field: no data available at this time.

27-1025.00 Interior Designers http://www.onetonline.org/link/summary/27-1025.00

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
HHD1321	Introduction to Interior Design	3.00	
HHD1361	Practical Interior Applications	3.00	
IND1001	History of Architecture and Interiors II **OR**		
IND1211	History of Architecture and Interiors I	3.00	
IND1300	Graphics of Interior Design I	3.00	
IND1432	Lighting for Interior Design	2.00	
IND1935	Building and Barrier Free Codes	2.00	
IND2410	Kitchen and Bath Design I	3.00	*Pre-Reqs: HHD1321 AND BCN1251*
IND2411	Materials and Estimating for Kitchen and Bath	2.00	
IND2414	Kitchen and Bath Design II	3.00	*Co-Reqs: ETD2320*
IND2501	Practices of Interior Design	4.00	*Pre-Reqs: IND1021*
IND2608	Sustainable Design	3.00	
IND2949	Cooperative Education Experience in Interior Design **OR**		
BCT2949	Cooperative Education Experience in Construction	2.00	

Sample Program of Study

Course   Title

... ...   First Semester

Course	Title	SEM HRS	
BCN1251	Architectural Drawing I	2.00	*Conc-Reqs: BCN1251L*
BCN1251L	Architectural Drawing I Lab	1.00	*Conc-Reqs: BCN1251*
HHD1321	Introduction to Interior Design	3.00	
IND1001	History of Architecture and Interiors II **OR**		
IND1211	History of Architecture and Interiors I	3.00	
IND1300	Graphics of Interior Design I	3.00	

... ...   Second Semester

Course	Title	SEM HRS	
IND2501	Practices of Interior Design	4.00	*Pre-Reqs: IND1021*
IND1432	Lighting for Interior Design	2.00	
IND1935	Building and Barrier Free Codes	2.00	
IND2410	Kitchen and Bath Design I	3.00	*Pre-Reqs: HHD1321 AND BCN1251*
IND2411	Materials and Estimating for Kitchen and Bath	2.00	

... ...   Third Semester

Course	Title	SEM HRS	
ETD2320	Computer Aided Drafting I (AutoCAD)	2.00	*Conc-Reqs: ETD2320L*
ETD2320L	Computer Aided Drafting I (AutoCAD) Lab	1.00	*Conc-Reqs: ETD2320*
HHD1361	Practical Interior Applications	3.00	
IND2414	Kitchen and Bath Design II	3.00	*Co-Reqs: ETD2320*
IND2608	Sustainable Design	3.00	
BCT2949	Cooperative Education Experience in Construction **OR**		
IND2949	Cooperative Education Experience in Interior Design	2.00	
TOTAL	...	**39.00**	

Internet Services Technology

Program Mission, Description, and Outcomes

Mission:
The content prepares students to work in Internet, Intranet, and Extranet environments; installing, configuring, designing and managing Intranet and web-based resources. Students learn multiple web programming languages and web design tools.

Description:
The Internet Services Technology program provides students with the technical credentials needed for Internet-related careers in planning, building, maintaining and managing interactive Web sites. First, this program helps students learn the fundamentals of computers, operating systems, programming and graphic design. Then, this program directs students into the planning, building and managing of Web pages and sites. Finally, this program helps students learn the knowledge that is essential for the management of Web servers.

Outcomes:
Graduates of the program will be able to:
1. Use relevant tools necessary for Internet development.
2. Apply and demonstrate independent problem solving and trouble shooting skills in web site development, database, and web database integration.
3. Demonstrate knowledge and understanding of computer hardware and networked environments.
4. Design, implement and manage database applications.
5. Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users.
6. Function as a member of a team in the solution of problems.
7. Contribute to chosen field by gaining employment in a related field or by continuing professional development.

8. Evaluate and practice ethical and professional behaviors in the area of Internet Services Technology.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Consult college bookstore for approximate costs of textbooks. Consult college catalog for lab fees.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, math, or reading course depending upon college placement test scores.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core (6 Credits)**		
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
... ...	**Mathematics Core (3 Credits)**		
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
... ...	**Behavioral & Social Sciences Core (3 Credits)**		
... ...	**Choose One Course**		

		SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ...	**Humanities, Cultural & Aesthetic Core (3 Credits)**		
... ...	**Choose One Course**		
		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
CET1600	Network Plus	4.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
CGS2821	Advanced Web Programming (XML, ASP.Net, SQL Server)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
CET2154	A+:Computer Operating Systems	4.00	
EGS1000	Professional Performance for Technicians	3.00	
COP1000	Principles of Computer Programming	3.00	
COP2800	Computer Programming "Java" **OR**		*Pre-Reqs: COP1000*
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"	2.00	*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	1.00	*Conc-Reqs: COP2001*
CIS2949	Cooperative Education Experience in Computer and Information Systems	1.00	
COP2700	Introduction to Database Management **OR**		
CTS2431L	Data Organization and Management Lab	1.00	*Conc-Reqs: CTS2431*
CTS2431	Data Organization and Management	2.00	*Co-Reqs: COP1000 Conc-Reqs: CTS2431L*
COP2850	Web Programming Project	3.00	*Pre-Reqs: CGS2821 AND CGS2820*
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
... ...	**Computer Elective**	3.00	
... ...	**Computer Elective**	3.00	
... ...	**Computer Elective**	3.00	

... ...	**Computer Elective - CHOOSE FROM:**		
		SEM HRS	
CEN2002	Software Design and Development I	3.00	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CTS2321	Linux System Administration	4.00	
COP2805	Advanced Computer Programming "Java"	3.00	
CTS2141	Advanced C++ and Direct X Programming	3.00	*Pre-Reqs: COP2001*
DIG1109	Digital Imaging Fundamentals	3.00	

CAP2023	Introduction to Game Programming	3.00	*Pre-Reqs: COP1000*

Sample Program of Study

Course	Title		

	First Year		
... ...	**1st Semester**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
COP1000	Principles of Computer Programming	3.00	
CET2154	A+:Computer Operating Systems	4.00	

	2nd Semester		
		SEM HRS	
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
... ...	**Behavioral & Social Sciences Core**	3.00	
CET1600	Network Plus	4.00	
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2800	Computer Programming "Java" **OR**		*Pre-Reqs: COP1000*
COP2001	Computer Programming "C++"	2.00	*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	1.00	*Conc-Reqs: COP2001*

	Summer Semester		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

	1st Semester		
... ...	**Second Year**		
		SEM HRS	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
COP2700	Introduction to Database Management **OR**		
CTS2431	Data Organization and Management	2.00	*Co-Reqs: COP1000 Conc-Reqs: CTS2431L*
CTS2431L	Data Organization and Management Lab	1.00	*Conc-Reqs: CTS2431*
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
CGS2821	Advanced Web Programming (XML, ASP.Net, SQL Server)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
... ...	**Computer Elective**	3.00	

	2nd Semester		
		SEM HRS	
CIS2949	Cooperative Education Experience in Computer and Information Systems	1.00	
... ...	**Computer Elective**	3.00	
... ...	**Computer Elective**	3.00	
COP2850	Web Programming Project	3.00	*Pre-Reqs: CGS2821 AND CGS2820*
EGS1000	Professional Performance for Technicians	3.00	

TOTAL	...	**63.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Students choosing one or two four (4) hour courses to meet electives should add the remaining hours in cooperative education (CIS 2949) to meet the program length. Please see the department chairperson if you have any questions.

Law Enforcement Recruit Training (Limited Access Program)

Program Mission, Description, and Outcomes

Mission:
It is the mission of the Basic Law Enforcement Officer Recruit Program to provide quality job training for students in this discipline. It is our goal to find opportunities to bring these related disciplines together to train and interact so that emergency response to incidents can be more effective.

Description:
The program is designed for the student who intends to become either a full-time or part-time police officer. Students learn the tasks, duties and responsibilities of law enforcement officers to prevent and detect crime and to enforce the criminal, non-criminal and traffic laws of the state. Florida statute requires this certificate of completion for certification as a law enforcement officer. Job Title: Police Officer.

This program is certified by the Criminal Justice Standards and Training Commission, Florida Department of Law Enforcement.

Graduates of the program are eligible to take the Florida Department of Law Enforcement examination for police officer certification/employment.

Outcomes:
Graduates of the program will be able to:
1. Identify, analyze, and respond to problem situations involving civil rights, law enforcement, and legal issues.
2. Show competence in written and oral communications.
3. Successfully complete State licensure requirements.

4. Integrate knowledge and skills obtained during the academy into their specialized career field.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,154*
Access Fee: $203 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $570
Physical Exam: $150 to $250
Equipment/Uniforms: $400
State Exam: $100

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://daytonastate.edu/scholarships.

Additional Admission Requirements

- Complete a Criminal Justice Training Center Application for continuing enrollment.

- Completion of the Basic Abilities Test (BAT) and score a minimum of 79%.

- Completion of the Test for Adult Basic Education (TABE) and score a minimum of 10.0 on each section.

- Must attend the Criminal Justice Training Center Orientation.

- Satisfactory results of a Florida Department of Law Enforcement background check.

- Must be able to meet minimum standards for the Florida Department of Law Enforcement as set forth in Florida Statute 943.

- Be at least 19 years of age prior to graduation of program.

- Be a citizen of the United States.

- High School Diploma or GED.

- Not have been convicted of any felony, or a misdemeanor involving perjury or false statement. Any person who after July 1, 1981, pleads guilty or nolo-contendere to, or is found guilty of a felony or of a misdemeanor involving perjury or false statement shall not be eligible for employment or appointment as an officer, notwithstanding suspension of sentence or withholding of adjudication.

- Never have received a dishonorable discharge from any of the Armed Forces of the United States.

- Be of good moral character.

- Currently possess a valid Driver's License.

- Must be able to pass a physical examination by a licensed physician to include an EKG and drug screen.

- Students will be required to wear uniforms.

- Students will be held accountable for the policy and procedures of the Criminal Justice Training Center program as outlined in the CJTC student policy/rule book, as well as the college student handbook.

Careers

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 96% graduating within 3 semester for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 76%.

For additional career information, please see:

http://www.onetonline.org/link/summary/33-3051.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS
CJK0007	Introduction to Law Enforcement	0.37
CJK0008	Law Enforcement Legal	2.30
CJK0017	Law Enforcement Communications	2.53
CJK0011	Human Issues in Law Enforcement	1.33
CJK0061	Law Enforcement Patrol I	1.93
CJK0062	Law Enforcement Patrol II	1.33
CJK0076	Law Enforcement Crime Scene Investigations	0.80
CJK0071	Criminal Investigations	1.87
CJK0082	Law Enforcement Traffic Stops	0.80
CJK0083	Law Enforcement DUI Traffic Stops	0.80
CJK0086	Law Enforcement Traffic Crash Investigations	1.07
CJK0020	CMS Law Enforcement Vehicle Operations	1.60
CJK0031	CMS First Aid for Criminal Justice Officers	1.33
CJK0040	CMS Criminal Justice Firearms	2.67
CJK0051	Criminal Justice Defensive Tactics	2.67
CJK0422	Dart Stun Gun Firing	0.27
CJK0096	Law Enforcement Officer Physical Fitness Training	2.00

Sample Program of Study

Course	Title	VOC HRS
CJK0007	Introduction to Law Enforcement	0.37
CJK0008	Law Enforcement Legal	2.30
CJK0017	Law Enforcement Communications	2.53
CJK0011	Human Issues in Law Enforcement	1.33
CJK0061	Law Enforcement Patrol I	1.93

CJK0062	Law Enforcement Patrol II	1.33
CJK0076	Law Enforcement Crime Scene Investigations	0.80
CJK0071	Criminal Investigations	1.87
CJK0082	Law Enforcement Traffic Stops	0.80
CJK0083	Law Enforcement DUI Traffic Stops	0.80
CJK0086	Law Enforcement Traffic Crash Investigations	1.07
CJK0020	CMS Law Enforcement Vehicle Operations	1.60
CJK0031	CMS First Aid for Criminal Justice Officers	1.33
CJK0040	CMS Criminal Justice Firearms	2.67
CJK0051	Criminal Justice Defensive Tactics	2.67
CJK0422	Dart Stun Gun Firing	0.27
CJK0096	Law Enforcement Officer Physical Fitness Training	2.00
TOTAL	VOC. CRS.	**25.67**
TOTAL	CONTACT HRS.	**770.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Machining

Program Information

Vocational Certificate - Code 1202 - Catalog 2012/2013
Roger Rowan, Chair, Workforce & Cont. Edu., 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, cherryb@daytonastste.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Machining program is to provide the knowledge, practice and skill development necessary to become a successful machinist.

Description:
The program provides students with the knowledge and skills necessary to be employed in the manufacturing industry. The instruction covers lathe and mill operations, proper care and use of measuring tools, CNC programming and operations, CAD/CAM programming, and manufacturing skills related to industry standards.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and ability to safely follow rules and regulations to machining standards.
2. Identify and use different tools, equipment, material and measuring tools used in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate knowledge and skill in the residential, commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects in the machining field of work.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,098* (Book costs are not included)
Access Fee: $198 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $505
Textbook Estimate: $300

*In-state tuition only; out-of-state tuition will be higher.

Students will need to purchase welding safety gear for PMT 0106/0106L Welding I class.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at http://www.fafsa.gov. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.
3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers

CIP Code (6 digit) 48.0503

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

Program Length: The typical length of this program is two (2) semesters (summer session doesn't often make) for a full-time student, with no graduation rate at this time because the program was restructured in 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field: no data available at this time.

51-4041.00 Machinists http://www.onetonline.org/link/summary/51-4041.00Green

For additional information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
PMT0211	Precision Machining I	1.00	*Conc-Reqs: PMT0211L*
PMT0211L	Precision Machining I Lab	2.00	*Conc-Reqs: PMT0211*
PMT0215	Precision Machining II	1.00	*Conc-Reqs: PMT0215L*
PMT0215L	Precision Machining II Lab	2.00	*Conc-Reqs: PMT0215*
PMT0251	CNC Operations I	1.00	*Conc-Reqs: PMT0251L*
PMT0251L	CNC Operations I Lab	2.00	*Conc-Reqs: PMT0251*
PMT0255	CNC Operations II	1.00	*Conc-Reqs: PMT0255L*
PMT0255L	CNC Operations II Lab	2.00	*Conc-Reqs: PMT0255*
PMT0260	CAD/CAM Programming I	1.00	*Conc-Reqs: PMT0260L*
PMT0260L	CAD/CAM Programming I Lab	2.00	*Conc-Reqs: PMT0260*
PMT0265	CAD/CAM Programming II	1.00	*Conc-Reqs: PMT0265L*
PMT0265L	CAD/CAM Programming II Lab	2.00	*Conc-Reqs: PMT0265*
PMT0106	Introduction to Welding I	1.00	*Conc-Reqs: PMT0106L*
PMT0106L	Introduction to Welding I Lab	2.00	*Conc-Reqs: PMT0106*
PMT0290	Cooperative Education Experience in Machining	1.00	
TDR0304	Computer Aided Drafting CAD	1.00	*Conc-Reqs: TDR0304L*
TDR0304L	Computer Aided Drafting CAD Lab	2.00	*Conc-Reqs: TDR0304*

Sample Program of Study

Course	Title	

... ... **1st Semester**

Course	Title	VOC HRS	
PMT0211	Precision Machining I	1.00	*Conc-Reqs: PMT0211L*
PMT0211L	Precision Machining I Lab	2.00	*Conc-Reqs: PMT0211*
PMT0251	CNC Operations I	1.00	*Conc-Reqs: PMT0251L*
PMT0251L	CNC Operations I Lab	2.00	*Conc-Reqs: PMT0251*
PMT0215	Precision Machining II	1.00	*Conc-Reqs: PMT0215L*
PMT0215L	Precision Machining II Lab	2.00	*Conc-Reqs: PMT0215*
PMT0255	CNC Operations II	1.00	*Conc-Reqs: PMT0255L*
PMT0255L	CNC Operations II Lab	2.00	*Conc-Reqs: PMT0255*

... ... **2nd Semester**

Course	Title	VOC HRS	
PMT0106	Introduction to Welding I	1.00	*Conc-Reqs: PMT0106L*
PMT0106L	Introduction to Welding I Lab	2.00	*Conc-Reqs: PMT0106*
PMT0260	CAD/CAM Programming I	1.00	*Conc-Reqs: PMT0260L*
PMT0260L	CAD/CAM Programming I Lab	2.00	*Conc-Reqs: PMT0260*
PMT0265	CAD/CAM Programming II	1.00	*Conc-Reqs: PMT0265L*
PMT0265L	CAD/CAM Programming II Lab	2.00	*Conc-Reqs: PMT0265*
PMT0290	Cooperative Education Experience in Machining	1.00	
TDR0304	Computer Aided Drafting CAD	1.00	*Conc-Reqs: TDR0304L*
TDR0304L	Computer Aided Drafting CAD Lab	2.00	*Conc-Reqs: TDR0304*

... ... **Summer Semester**

TOTAL	VOC. HRS.	25.00	
TOTAL	CONTACT HRS.	750.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Massage Therapy (Limited Access Program)

Program Information
Vocational Certificate - Code 1124/1024 - Catalog 2012/2013
LaTassa Davis, Assistant Chair, 386-506-3185, DavisLa@DaytonaState.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

08/10/2012 M - 1267

Program Mission, Description, and Outcomes
Mission:
The mission of the Massage Therapy program is to sustain health and wellness in the community. The philosophy is of the mind, body, and spirit. The curriculum model is grounded in eastern theory and the application of western techniques. Students will develop the skills of massage therapy applications, critical thinking, and communication which will permit them to practice the science of massage in a caring, professional, and ethical manner.

Description:
This program is designed to provide students with the knowledge and skills in Massage Therapy so they may be prepared to take the National Certification Examination for Therapeutic Massage and Bodywork. This is required for licensure in the state of Florida as well as several other states. Areas to be covered in the program are: Anatomy and Physiology, History of Massage, Hydrotherapy, Allied Modalities, Theory and Practicum, Florida Statutes, Professional Ethics, Pathology, Professional and Personal Development, Medical Errors and HIV/AIDS training. Students must obtain and provide proof of BLS training before graduation. Job Title: Massage Therapist.

Outcomes:
Graduates of the program will be able to:
1. Describe the health care delivery system and distinguish between various health occupations.
2. Discuss the principle theories of therapeutic massage and perform massage techniques properly.
3. Compare the applications of allied modalities related to massage therapy.
4. Demonstrate comprehension of human anatomy and physiology for massage therapists.
5. Identify basic business practices and standards.
6. Define the Massage Practice Act and the rules outline by The Board of Massage Therapy.
7. Demonstrate safety and health practices that are conducive to massage therapy and clients/patients.
8. Incorporate the principles hydrotherapy and apply the modality therapeutically.

9. Use oral and written communication skills in creating, expressing, and interpreting information and ideas.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Program Tuition and Fees: $2,098*
Access Fee: $198 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $59
Textbooks: $400
Uniforms: $50
Laboratory Supplies: $25
Licensure Fees: $430
FDLE/FBI Background Screening: $90

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- Attend mandatory program orientation.

- High school diploma or equivalent (GED).

- Must be 18 years of age or older.

- Scores on the placement test for vocational programs which indicate language and reading ability at the 10th grade level, and arithmetic ability at the 9th grade level or above.

-Submit completed application for continuing enrollment to the School of Health Careers and Human Services.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- Selection for continuing enrollment is made once per year based on the date of the School of Health Careers and Human Services application. This is based on first come, first served.

- Program specific courses must be completed with a grade 'C' or better.

- Students will be held accountable for the policies and procedures of the Massage Therapy program as outlined in the Massage Therapy student handbook, as well as the College Student handbook.

Careers
Massage Therapist

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http:www.onetonline.org.

The typical length of this program is two (2) semesters for a full-time student, with 92% graduating within 2 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 63%.

For additional career information, please see:

http://www.onetonline.org/link/summary/31-9011.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
HSC0005	Healthcare Concepts for the Massage Therapist	3.00	
MSS0156	Anatomy and Physiology for Massage Therapist I	2.50	
MSS0157	Anatomy and Physiology Massage Therapist II	2.50	*Pre-Reqs: MSS0156*
MSS0215	Statutes/Rules and Ethics	0.33	
MSS0274	PathologyRelated to Massage Therapy	1.50	
MSS0283	Allied Modalities I	1.70	
MSS0284	Allied Modalities II	1.70	*Pre-Reqs: MSS0283*
MSS0315	Theory and Practice of Hydrotherapy	0.67	
MSS0601	Professional and Personal Development	0.50	
MSS0803	Massage Theory and Clinical Practicum I	1.25	*Conc-Reqs: MSS0803L*
MSS0803L	Massage Theory and Clinical Practicum I Lab	4.05	*Conc-Reqs: MSS0803*
MSS0804	Massage Theory and Practicum II	1.25	*Pre-Reqs: MSS0803 Conc-Reqs: MSS0804L*
MSS0804L	Massage Theory and Practicum II Lab	4.05	*Conc-Reqs: MSS0804*

Sample Program of Study

Course	Title	VOC HRS	
... ...	**1st Semester - Fall**		
HSC0005	Healthcare Concepts for the Massage Therapist	3.00	
MSS0156	Anatomy and Physiology for Massage Therapist I	2.50	
MSS0283	Allied Modalities I	1.70	
MSS0215	Statutes/Rules and Ethics	0.33	
MSS0803	Massage Theory and Clinical Practicum I	1.25	*Conc-Reqs: MSS0803L*
MSS0803L	Massage Theory and Clinical Practicum I Lab	4.05	*Conc-Reqs: MSS0803*
... ...	**2nd Semester - Spring**		

		VOC HRS	
MSS0157	Anatomy and Physiology Massage Therapist II	2.50	*Pre-Reqs: MSS0156*
MSS0601	Professional and Personal Development	0.50	
MSS0274	PathologyRelated to Massage Therapy	1.50	
MSS0284	Allied Modalities II	1.70	*Pre-Reqs: MSS0283*
MSS0804	Massage Theory and Practicum II	1.25	*Pre-Reqs: MSS0803 Conc-Reqs: MSS0804L*
MSS0804L	Massage Theory and Practicum II Lab	4.05	*Conc-Reqs: MSS0804*
MSS0315	Theory and Practice of Hydrotherapy	0.67	

TOTAL	VOC. HRS.	**25.00**
TOTAL	CONTACT HRS.	**750.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Medical Assisting (Limited Access Program)

<u>**Program Information**</u>

Vocational Certificate - Code 1123/1023 - Catalog 2012/2013
Tamara Mottler, Assistant Chair, 386-506-3215, mottlet@daytonastate.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

08/10/2012 M - 1266

<u>**Program Mission, Description, and Outcomes**</u>
Mission:
Medical assisting is one of the fastest growing allied health professions in the country. It is the goal of the Medical Assisting program offered at Daytona State College to provide the local and surrounding communities with highly trained competent medical professionals. Our efforts will be continually directed at improving and providing the most up to date training in the field.

Students should be aware that this is a professional program. The American Association of Medical Assistants has established a code of ethics and a creed for the profession. They both establish guidelines, obligations, basic beliefs and fundamental principles of the profession and offer standards of expected behavior. Students are expected to comply with the standards of professional responsibility as outlined in the documents on the following page.

Description:
The program prepares students to work in the multi-skilled field of medical assisting. Students are prepared to assist in all aspects of medical practice administratively and clinically under the supervision of a physician. Instruction covers terminology, anatomy and physiology, coding, pharmacology, medical office laboratory procedures, diet and nutrition, and radiography. Clinical experiences will be provided in physician offices, ambulatory care centers and clinics. Job title: Medical Assistant.

The Medical Assisting Program Daytona Beach Campus is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Medical Assisting Educational Review Board (MAERB). Information may be obtained from CAAHEP, 1361 Park Street, Clearwater, FL 33756; (727) 210-2350 and AAMAE, 20 N. Wacker Dr., Ste. 1575, Chicago, IL 60606; (312) 899-1500.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge of the fundamentals of the Medical Assisting profession.
2. Demonstrate knowledge of the basic principles of medical office procedures.
3. Develop a clear idea of his/her role and responsibilities to the patient, the physician and other members of the health care team.
4. Demonstrate a sound basis of the scientific principles of Anatomy/Physiology and Medical Terminology.
5. Demonstrate knowledge of Pharmacology and Billing/Coding.
6. Demonstrate a basic knowledge of diet and nutrition, so that they may be able to provide patient education, as well as be self-educated in these areas as it relates to disease processes and good health.

7. Develop life long learning habits for personal and professional growth and development.

Note: This program is eligible for federal financial aid and state bright futures.

<u>**Approximate Additional Costs**</u>
Program Tuition and Fees: $3,636*
Access Fee: $342 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $116
Textbooks: $175
Uniforms: $175
Laboratory Supplies: $60
FDLE/FBI Background Screening: $90
Certification Exam Fee: $125

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

<u>**Additional Admission Requirements**</u>
- High School Diploma or equivalent (GED).

- Scores on the placement test for vocational programs which indicate language, reading, and arithmetic ability at the 10th grade level or

better.

- Submit completed application for continuing enrollment to the School of Health Careers and Human Services.

- Applications are accepted anytime during the year.

- Completion of the following course with a grade of 'C' or better is required before submitting a request for continuing enrollment: MEA 0005 (Introduction to Medical Assisting).

- Selection is made once per year based on cumulative GPA of at least 2.0 or better and completion of pre-requisite course with a grade of C or better.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- Basic Cardiac Life Support for Health Care Provider and AED through American Heart Association or American Red Cross.

- Program specific courses must be completed with a grade 'C' or better.

- Students will be held accountable for the policies and procedures of the Medical Assisting program as outlined in the Medical Assisting student handbook, as well as the College Student handbook.

Careers
Medical Assistant

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 96% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 85%.

For additional career information, please see:

http://www.onetonline.org/link/summary/31-9092.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
MEA0005	Introduction to Medical Assisting	4.03	
MEA0230	Medical Terminology for Medical Assisting	3.33	*Co-Reqs: MEA0204 AND MEA0230 Pre-Reqs: MEA0005 Conc-Reqs: MEA0230L*
MEA0230L	Medical Terminology for Medical Assisting Lab	0.67	*Conc-Reqs: MEA0230*
MEA0231	Anatomy and Physiology for Medical Assisting	3.33	*Co-Reqs: MEA0204 AND MEA0231 AND MEA0230 Pre-Reqs: MEA0005 Conc-Reqs: MEA0231L*
MEA0231L	Anatomy and Physiology for Medical Assisting Lab	2.67	*Conc-Reqs: MEA0231*
MEA0242	Pharmacology for Medical Assisting	1.00	*Co-Reqs: MEA0256 AND MEA0310 Pre-Reqs: MEA0204 AND MEA0230 AND MEA0231 Conc-Reqs: MEA0242L*
MEA0242L	Pharmacology for Medical Assisting Lab	3.00	*Conc-Reqs: MEA0242*
MEA0204	Clinical Procedures for Medical Assisting	1.66	*Pre-Reqs: MEA0005 AND MEA0310 Conc-Reqs: MEA0204L*
MEA0204L	Clinical Procedures for Medical Assisting Lab	3.34	*Conc-Reqs: MEA0204*
MEA0256	Laboratory Procedures for Medical Assisting	2.66	*Co-Reqs: MEA0310 AND MEA0242 Pre-Reqs: MEA0204 AND MEA0230 AND MEA0231 Conc-Reqs: MEA0256L*
MEA0256L	Laboratory Procedures for Medical Assisting Lab	3.64	*Conc-Reqs: MEA0256*
MEA0310	Clerical Procedures for Medical Assisting	2.00	*Co-Reqs: MEA0256 AND MEA0242 Conc-Reqs: MEA0310L*
MEA0310L	Clerical Procedures for Medical Assisting Lab	2.00	*Conc-Reqs: MEA0310*
MEA0334	Coding for Medical Assisting	0.67	*Co-Reqs: MEA0230 AND MEA0231 AND MEA0204 Pre-Reqs: MEA0005 Conc-Reqs: MEA0334L*
MEA0334L	Coding for Medical Assisting Lab	1.33	*Conc-Reqs: MEA0334*

MEA0801	Externship for Medical Assisting	8.00	*Pre-Reqs: MEA0256 AND MEA0310 AND MEA0242*

Sample Program of Study

Course	Title		

... ...	**Prerequisite Course**	**VOC HRS**	
MEA0005	Introduction to Medical Assisting	4.03	

... ...	**1st Semester - Fall**	**VOC HRS**	
MEA0230	Medical Terminology for Medical Assisting	3.33	*Co-Reqs: MEA0204 AND MEA0230 Pre-Reqs: MEA0005 Conc-Reqs: MEA0230L*
MEA0230L	Medical Terminology for Medical Assisting Lab	0.67	*Conc-Reqs: MEA0230*
MEA0231	Anatomy and Physiology for Medical Assisting	3.33	*Co-Reqs: MEA0204 AND MEA0231 AND MEA0230 Pre-Reqs: MEA0005 Conc-Reqs: MEA0231L*
MEA0231L	Anatomy and Physiology for Medical Assisting Lab	2.67	*Conc-Reqs: MEA0231*
MEA0310	Clerical Procedures for Medical Assisting	2.00	*Co-Reqs: MEA0256 AND MEA0242 Conc-Reqs: MEA0310L*
MEA0310L	Clerical Procedures for Medical Assisting Lab	2.00	*Conc-Reqs: MEA0310*
MEA0334	Coding for Medical Assisting	0.67	*Co-Reqs: MEA0230 AND MEA0231 AND MEA0204 Pre-Reqs: MEA0005 Conc-Reqs: MEA0334L*
MEA0334L	Coding for Medical Assisting Lab	1.33	*Conc-Reqs: MEA0334*

... ...	**2nd Semester - Spring**	**VOC HRS**	
MEA0204	Clinical Procedures for Medical Assisting	1.66	*Pre-Reqs: MEA0005 AND MEA0310 Conc-Reqs: MEA0204L*
MEA0204L	Clinical Procedures for Medical Assisting Lab	3.34	*Conc-Reqs: MEA0204*
MEA0242	Pharmacology for Medical Assisting	1.00	*Co-Reqs: MEA0256 AND MEA0310 Pre-Reqs: MEA0204 AND MEA0230 AND MEA0231 Conc-Reqs: MEA0242L*
MEA0242L	Pharmacology for Medical Assisting Lab	3.00	*Conc-Reqs: MEA0242*
MEA0256	Laboratory Procedures for Medical Assisting	2.66	*Co-Reqs: MEA0310 AND MEA0242 Pre-Reqs: MEA0204 AND MEA0230 AND MEA0231 Conc-Reqs: MEA0256L*
MEA0256L	Laboratory Procedures for Medical Assisting Lab	3.64	*Conc-Reqs: MEA0256*

... ...	**3rd Semester - Summer**	**VOC HRS**	
MEA0801	Externship for Medical Assisting	8.00	*Pre-Reqs: MEA0256 AND MEA0310 AND MEA0242*

TOTAL	VOC. HRS.	43.33	
TOTAL	CONTACT HRS.	1300.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Medical Information Coder Biller (Limited Access Program)

Program Information

A.S. Certificate - Code 1912/0912 - Catalog 2012/2013
Linda Moss, Faculty, 386-506-3756, mossl@daytonastate.edu
Nancy Thomas, Assistant Chair, 386-506-3748, thomasn@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

08/10/2012 M - 1262

Program Mission, Description, and Outcomes

Mission:
The mission of the Medical Information Coder/Biller program at Daytona State College is to provide a quality program to educate students regarding the coding and billing in an outpatient setting.

Description:
This certificate program prepares students for entry-level employment as a medical coder/biller in ambulatory, physician office, and hospital outpatient settings. The Medical Information Coder/Biller is responsible for translating diagnostic and procedural narrative from the medical record into numeric codes. Credits earned in this certificate program may be applied toward the AS degree in Health Information Technology. Graduates are eligible to take applicable credentialing examinations.

Outcomes:
Graduates of the program will be able to:
1. Function as a valuable member of a quality healthcare team.

2. Accurately code and bill in an outpatient setting.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,552*
Access Fee: $269 ($7.90 per credit)
Assessment Fee: $30
Lab Fees (including liability insurance): $110
Textbooks: $500
FDLE/FBI Background Screening: $90

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://daytonastate.edu/scholarships.

Additional Admission Requirements

- This is a limited access program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- To be eligible for continuing enrollment, the student must qualify for ENC 1101 (College Composition). Effective Fall 2012, the student must show successful completion of MAT 0028/0028L (Elementary Algebra and Lab). This eligibility can be met through assessment results or course work.

- Completion of the following course with a grade of 'C' or better is required for continuing enrollment approval: HSC1531 (Medical Terminology).

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- High School Diploma or equivalent GED.

- Submit completed application for continuing enrollment to the School of Health Careers and Human Services. Applications are accepted anytime during the year. Selections are made once per year. Applicants with cumulative GPA's of 2.5 or higher and successful completion of all prerequisite and corequisite courses will be considered more favorably.

- A physical examination is required prior to entering the clinical setting.

- All courses must be completed with a 'C' or better. Program specific courses must have been completed within one year and evaluated by

the assistant chair. All other substitutions must be approved by the Assistant Chair.

-Students will be held accountable for the policies and procedures of the Medical Information Coder/Biller program as outlined in the Health Information Technology and Coder/Biller student handbook, as well as the College Student handbook.

Careers
Medical Coder
Medical Biller

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 69% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 92%.

For additional career information, please see:

http://www.onetonline.org/link/summary/29-2071.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 6 Credits**		
... ...	**Communications Core (3 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
... ...	**Sciences Core (3 credits)**		
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*
... ...	**Additional Required Course (1 Credit)**		
LIS2004	Introduction to Internet Research	1.00	

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
HSC1531	Medical Terminology	4.00	
HIM1000	Introduction to Health Information Management	2.00	*Pre-Reqs: HSC1531 Conc-Reqs: HIM1000L*
HIM1000L	Introduction to Health Information Management Lab	1.00	*Conc-Reqs: HIM1000*
HIM1222	Beginning ICD-9/10 CM Coding	3.00	*Co-Reqs: HIM1000 Pre-Reqs: HSC1531 Conc-Reqs: HIM1222L*
HIM1222L	Beginning ICD-9/10 CM Coding Lab	1.00	*Conc-Reqs: HIM1222*
HIM1273	Billing and Reimbursement Methods	2.00	*Pre-Reqs: HIM1222L AND HIM1222*
HIM2012	Legal Aspects of Health Records	2.00	*Pre-Reqs: HIM1000*
HIM2283	Advanced CPT Coding	2.00	*Pre-Reqs: HIM2253 Conc-Reqs: HIM2283L*
HIM2283L	Advanced CPT Coding Lab	1.00	*Conc-Reqs: HIM2283*
HIM2253	Beginning CPT Coding	2.00	*Pre-Reqs: HIM1222 AND HSC1531 Conc-Reqs: HIM2253L*
HIM2253L	Beginning CPT Coding Lab	1.00	*Conc-Reqs: HIM2253*
HIM2430	Concepts of Diseases	4.00	*Co-Reqs: HIM2442 Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020*
HIM2442	Pharmacology and Lab	1.00	*Co-Reqs: HIM2430*
HIM2800	Coding Professional Practice Experience I	1.00	*Pre-Reqs: HIM2253*

Sample Program of Study

Course   **Title**

... ...   **Pre-Requisite Course**

                                           SEM HRS

HSC1531   Medical Terminology   4.00

... ...   **1st Semester - Spring**

                                           SEM HRS

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*
HIM1000	Introduction to Health Information Management	2.00	*Pre-Reqs: HSC1531 Conc-Reqs: HIM1000L*
HIM1000L	Introduction to Health Information Management Lab	1.00	*Conc-Reqs: HIM1000*
HIM1222	Beginning ICD-9/10 CM Coding	3.00	*Co-Reqs: HIM1000 Pre-Reqs: HSC1531 Conc-Reqs: HIM1222L*
HIM1222L	Beginning ICD-9/10 CM Coding Lab	1.00	*Conc-Reqs: HIM1222*

... ...   **2nd Semester - Summer**

                                           SEM HRS

Course	Title	SEM HRS	
HIM2012	Legal Aspects of Health Records	2.00	*Pre-Reqs: HIM1000*
HIM2253	Beginning CPT Coding	2.00	*Pre-Reqs: HIM1222 AND HSC1531 Conc-Reqs: HIM2253L*
HIM2253L	Beginning CPT Coding Lab	1.00	*Conc-Reqs: HIM2253*
LIS2004	Introduction to Internet Research	1.00	

... ...   **3rd Semester - Fall**

                                           SEM HRS

Course	Title	SEM HRS	
HIM1273	Billing and Reimbursement Methods	2.00	*Pre-Reqs: HIM1222L AND HIM1222*
HIM2283	Advanced CPT Coding	2.00	*Pre-Reqs: HIM2253 Conc-Reqs: HIM2283L*
HIM2283L	Advanced CPT Coding Lab	1.00	*Conc-Reqs: HIM2283*
HIM2430	Concepts of Diseases	4.00	*Co-Reqs: HIM2442 Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020*
HIM2442	Pharmacology and Lab	1.00	*Co-Reqs: HIM2430*
HIM2800	Coding Professional Practice Experience I	1.00	*Pre-Reqs: HIM2253*

TOTAL   **34.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Medical Record Transcribing

Program Information

Applied Tech. Diploma - Code 0920 - Catalog 2012/2013
Nancy Thomas, Assistant Chair, 386-506-3748, thomasn@daytonastate.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

09/14/2012 M - 1323

Program Mission, Description, and Outcomes

Mission:
The mission of the Medical Record Transcribing program at Daytona State College is to provide a quality program to educate students regarding the transcription of medical reports for healthcare professionals.

Description:
The program provides a solid foundation in medical office procedures, as well as medical typing and transcription. Students learn a variety of business software and office equipment including transcribers. Credits earned in this certificate may be applied toward the Office Administration (Medical Transcription Option) associate of science (AS) degree. See the department chairperson for more information.

Outcomes:
Graduates of the program will be able to:

1. Function as a valuable member of a quality healthcare team.

2. Transcribe medical reports for hospitals and other healthcare entities.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,448*
Access Fee: $261 ($7.90 per credit)
Assessment Fee: $30
Lab Fees (including liability insurance): $143

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- High School Diploma or equivalent (GED).

- Scores on the Daytona State placement test for college credit programs that indicate language and reading ability level at the English I level.

- All program specific courses and general education courses must be completed with a grade 'C' or better. Program specific courses must have been completed within one year and evaluated by the Assistant Chair. All other substitutions must be approved by the Assistant Chair.

- Students will be held accountable for the policies and procedures outlined in the College Student handbook.

Careers

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters, with no students graduating within this timeframe for 2011-12. (Medical transcription courses are part of the transcription certificate and degree program as well as the medical secretary program). The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

For additional career information, please see:

http://www.onetonline.org/link/summary/31-9094.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title		

<table>
<tr><td>... ...</td><td colspan="3">General Education Core - 11 Credits</td></tr>
<tr><td>... ...</td><td colspan="3">Communications Core (3 credits)</td></tr>
</table>

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*

... ...1   Sciences Core (8 credits)

Course	Title	SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
HIM1031	Medical Record Transcription I	1.00	*Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L*
HIM1031L	Medical Record Transcription I Lab	2.00	*Conc-Reqs: HIM1031*
HIM1032	Medical Record Transcription II	1.00	*Pre-Reqs: HIM1031 Conc-Reqs: HIM1032L*
HIM1032L	Medical Record Transcription II Lab	2.00	*Conc-Reqs: HIM1032*
HIM2430	Concepts of Diseases	4.00	*Co-Reqs: HIM2442 Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020*
HIM2442	Pharmacology and Lab	1.00	*Co-Reqs: HIM2430*
HSC1531	Medical Terminology	4.00	
OST1711	Word Processing I	3.00	*Pre-Reqs: OST1141 OR OST1100*
OST2461	Medical Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1711 OR OST1100*

Sample Program of Study

Course	Title		

... ...   1st Semester - Summer

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
HSC1531	Medical Terminology	4.00	
OST1141	Keyboarding	1.00	

... ...   2nd Semester - Fall

Course	Title	SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023*

			Conc-Reqs: BSC1085L
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
HIM1031	Medical Record Transcription I	1.00	*Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L*
HIM1031L	Medical Record Transcription I Lab	2.00	*Conc-Reqs: HIM1031*
HIM2442	Pharmacology and Lab	1.00	*Co-Reqs: HIM2430*
HIM2430	Concepts of Diseases	4.00	*Co-Reqs: HIM2442 Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020*

... ...   **3rd Semester - Spring**

		SEM HRS	
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
HIM1032	Medical Record Transcription II	1.00	*Pre-Reqs: HIM1031 Conc-Reqs: HIM1032L*
HIM1032L	Medical Record Transcription II Lab	2.00	*Conc-Reqs: HIM1032*
OST1711	Word Processing I	3.00	*Pre-Reqs: OST1141 OR OST1100*
OST2461	Medical Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1711 OR OST1100*

TOTAL   ...   **33.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Students who choose the BSC 1085/1086 option to fulfill the biological sciences core requirements can use remaining credits to fulfill elective hours as appropriate. Both courses must be successfully completed to satisfy the biological sciences core requirements.

Microcomputer Repairer/Installer

Program Information

A.S. Certificate - Code 0907 - Catalog 2012/2013

Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Lawrence Pivec, Assistant Chair, pivecl@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The certificate program provides a basic understanding of computer hardware and software and its interaction in a networked environment. The program is aligned with the industry standards and prepares students for further education and careers in Information Technology cluster.

Description:
The certificate program in Microcomputer Repair/Installer provides the student a thorough understanding of the computer hardware and software and its interaction in a networked environment. The program provides a general electronics background, prepares student to pass A+ certification exams and user support skills.

Outcomes:
Graduates of the program will be able to:
1. Evaluate proficiency in computer systems architecture.
2. Perform in microcomputer disk operating system services and functions with proficiency.

3. Present, test, verify, install, and configure computer operating systems.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $1,567*
Access Fee: $119 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $70
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Most of these courses count toward the AS degree in Computer Engineering Technology, and some courses could be applied toward AS degrees in Computer Information Technology, Electronics Engineering Technology and Networking Services Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 73%.

15-1041.00 Computer Support Specialists http://www.onetonline.org/link/summary/15-1041.00
15-1051.00 Computer Systems Analysts http://www.onetonline.org/link/summary/15-1051.00
15-1071.01 Computer Security Specialists http://www.onetonline.org/help/bright/15-1071.01
15-1081.00 Network Systems and Data Communications Analysts http://www.onetonline.org/link/summary/15-1081.00

For additional Information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151041&id=1&nodeid=2&stfips=12&search=Go

Program Specific Courses

Course	Title	SEM HRS	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CET1600	Network Plus	4.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
CET2154	A+:Computer Operating Systems	4.00	

Sample Program of Study

Course	Title		
... ...	**1st Semester**		
		SEM HRS	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
CET2154	A+:Computer Operating Systems	4.00	
... ...	**2nd Semester**		
		SEM HRS	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
CET1600	Network Plus	4.00	
TOTAL	...	**15.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Music Production Technology (Audio/Recording)

Program Mission, Description, and Outcomes

Mission:

This program provides a solid foundation in the skills necessary for students seeking careers in music recording, sound reinforcement, music production, sound equipment installation and maintenance.

Description:

The AS degree in Music Production Technology will focus upon the technical aspects of audio recording and sound reinforcement. The AS degree is open to all degree-seeking college credit students and will concentrate on the areas of Recording Technology and Techniques, Audio Mixing, Studio Maintenance, Audio Processing, Acoustic Design, Sound Reinforcement, and Audio for Video. Students will develop a functional understanding of musical language, musical elements and performance skills. Business and legal areas related to the musical/entertainment industry will complete the course of study.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate the ability to work in cohesive teams focusing on organizational and leadership skills while contributing to the community through audio-related service learning.

2. Establish short and long-term goals for a career capitalizing on personal strengths and professional ambitions in the entertainment industry.

3. Explore and acquire broad-based knowledge of music production technology and demonstrate proficiency in the application of practical audio engineering skills.

4. Apply theoretical and technical problem solving skills in audio engineering through integrated and reflective learning.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Consult college bookstore for approximate costs of textbooks. See college catalog for lab fee requirements.

Additional Admission Requirements

All Program Specific courses require a grade of "C" or better.

Careers

Broadcast Technician
Recording Engineer
Audio and Video Technician
Instructional Coordinator
Producer and Director
Public Relations
Marketing
Event Coordinator
Booking and Promotion
Artist and Related Workers
Entertainers and Performers
Music Director and Composer

Amusement and Recreation

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course   Title

| ... ... | **General Education Core - 18 Credits** |
| ... ... | **Communications Core (9 credits)** |

Course	Title	SEM HRS	Pre/Co-Reqs
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ... **Mathematics Core (3 credits)**

Course	Title	SEM HRS	Pre/Co-Reqs
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*

... ... **Behavioral & Social Sciences Core (3 credits)**
... ... **Choose One Course**

Course	Title	SEM HRS	Pre/Co-Reqs
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**
... ... **Choose One Course**

Course	Title	SEM HRS	Pre/Co-Reqs
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course **Title**

... ... **"C" or better is required.**

Course	Title	SEM HRS	Pre/Co-Reqs
MUM1610	Survey of Recording Technology	3.00	
MUM1622	Sound Reinforcement	3.00	*Co-Reqs: MUM1610*
MUM2600	Audio Engineering I	3.00	*Co-Reqs: MUM2600L Pre-Reqs: MUM1610*
MUM2600L	Audio Engineering I Lab	2.00	*Co-Reqs: MUM2600 Pre-Reqs: MUM1610*
MUM2601	Audio Engineering II	3.00	*Co-Reqs: MUM2601L Pre-Reqs: MUM2600*
MUM2601L	Audio Engineering II Lab	2.00	*Co-Reqs: MUM2601 Pre-Reqs: MUM2600L*
MUM2603	Studio Maintenance	3.00	*Pre-Reqs: MUM1610*
MUM2607	Soundtrack Development	3.00	*Co-Reqs: MUM2640*
MUM2609	Studio Production	3.00	*Pre-Reqs: MUM2600*
MUM2640	Post Production Sound	3.00	*Pre-Reqs: MUM2609*
MUM2700	Survey of Music Business	3.00	
MUT1001	Fundamentals of Music **OR**		
MUS2360	Learning Basic Music Using the Computer	3.00	
MVK1111	Applied Music-Group (Piano) I-II	1.00	
MVK2121	Applied Music-Group (Piano) III-IV	1.00	

... ...1	**Ensemble Electives**	4.00	

... ...	**Program Specific Electives - Choose Two (6 Hours)**		

Course	Title	SEM HRS	
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
MUM2611	Live Recording Techniques	3.00	*Pre-Reqs: MUM1622*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
MUS1621	Acoustics and Psychoacoustics	3.00	*Pre-Reqs: MUM2601*

Sample Program of Study

Course	Title		

... ...	**FIRST YEAR**		
... ...	**1st Semester**		

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MUM1610	Survey of Recording Technology	3.00	
MUM1622	Sound Reinforcement	3.00	*Co-Reqs: MUM1610*
MUT1001	Fundamentals of Music **OR**		
MUS2360	Learning Basic Music Using the Computer	3.00	
MVK1111	Applied Music-Group (Piano) I-II	1.00	
... ...1	**Ensemble Elective**	1.00	

... ...	**2nd Semester**		

Course	Title	SEM HRS	
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
MUM2600	Audio Engineering I	3.00	*Co-Reqs: MUM2600L Pre-Reqs: MUM1610*
MUM2600L	Audio Engineering I Lab	2.00	*Co-Reqs: MUM2600 Pre-Reqs: MUM1610*
MUM2603	Studio Maintenance	3.00	*Pre-Reqs: MUM1610*
MUM2700	Survey of Music Business	3.00	
MVK2121	Applied Music-Group (Piano) III-IV	1.00	
... ...1	**Ensemble Elective**	1.00	

... ...	**Summer Semester**		

Course	Title	SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	

... ...	**SECOND YEAR**		
... ...	**3rd Semester**		

Course	Title	SEM HRS	
MUM2601	Audio Engineering II	3.00	*Co-Reqs: MUM2601L Pre-Reqs: MUM2600*
MUM2601L	Audio Engineering II Lab	2.00	*Co-Reqs: MUM2601 Pre-Reqs: MUM2600L*
MUM2609	Studio Production	3.00	*Pre-Reqs: MUM2600*
... ...1	**Ensemble Elective**	1.00	
... ...	**Program Specific Elective**	3.00	

... ...	**4th Semester**		

Course	Title	SEM HRS	
... ...	**Behavioral & Social Sciences Core**	3.00	
MUM2607	Soundtrack Development	3.00	*Co-Reqs: MUM2640*
MUM2640	Post Production Sound	3.00	*Pre-Reqs: MUM2609*
... ...1	**Ensemble Elective**	1.00	
... ...	**Program Specific Elective**	3.00	

TOTAL   **64.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1 Ensemble Electives - Students must enroll in an ensemble elective each semester for this program. See department chair for options.

Network Communications (LAN)

Program Information
A.S. Certificate - Code 0923 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Timothy Pintello, Assistant Chair, 386-506-4126, pintelt@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

Program Mission, Description, and Outcomes
Mission:
The certificate program provides students with the knowledge and skills of network support, telecommunications and user support. The curriculum includes, but is not limited to, basic electronics skills, telephony cabling and network communications.

Description:
The certificate program provides students with the knowledge and skills of network support, telecommunications and field support. This program is designed to prepare students for employment as a network support technician, telecommunications technician, field support engineer, sub-system specialist, communications specialist, or to provide supplemental training to persons previously or currently employed in these occupations. Students will be prepared for the following industry certifications: CompTIA Network+ and CCNA. The specialization content includes, but is not limited to, basic electronics skills, telephony cabling and network communications.

Outcomes:
Graduates of the program will be able to:
1. Plan and create a computer network system.
2. Plan and assess the proficiency in network communications.

3. Design and set up a computer network with routers and bridges and hubs.

Note: To ensure Financial Aid program eligibility, students need to also be accepted to the parallel associate degree program.

Approximate Additional Costs
Program Tuition and Fees: $1,881*
Access Fee: $142 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $50
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers
All of these courses count toward either the AS degree in Computer Engineering Technology, Computer Information Technology, Computer Programming and Analysis, Electronics Engineering Technology, and Networking Services Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

15-1071.00 Network and Computer Systems Administrators http://www.onetonline.org/link/summary/15-1071.00

For additional Information on wages, trends and career videos:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151071&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
EGS1000	Professional Performance for Technicians	3.00	
CET1600	Network Plus	4.00	
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CET2620	Cisco Wide Area Network (WAN)	4.00	*Pre-Reqs: CET2615*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

Sample Program of Study

Course   Title

... ...   1st Semester

Course	Title	SEM HRS	
CET1600	Network Plus	4.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

... ...   2nd Semester

Course	Title	SEM HRS	
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
EGS1000	Professional Performance for Technicians	3.00	

... ...   3rd Semester

Course	Title	SEM HRS	
CET2620	Cisco Wide Area Network (WAN)	4.00	*Pre-Reqs: CET2615*

TOTAL   ...   **18.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Network Communications (WAN)

Program Mission, Description, and Outcomes

Mission:
The certificate program provides students with the knowledge and skills of WAN network support, network designing and field support for the WAN. The program also includes some basic programming logic concepts required for problem solving and support.

Description:
The certificate program provides students with the knowledge and skills of WAN network support, network designing and field support for the WAN. This program is designed to prepare students for employment as a WAN support specialist, network designer, WAN technician, network support technician, field support engineer, or to provide supplemental training to persons previously or currently employed in these occupations.

The specialization content includes, but is not limited to, basic electronics skills, telephony cabling and network communications. Students will be prepared for the following industry certifications: CompTIA Network+ and CCNA and CCDA.

Outcomes:
Graduates of the program will be able to:
1. Incorporate the knowledge of basic electronics in network communications and equipments.
2. Plan and assess proficiency in network communications.
3. Plan and analyze basic telephony communication systems.

Note: To ensure Financial Aid program eligibility, students need to also be accepted to the parallel associate degree program.

Approximate Additional Costs
Program Tuition and Fees: $1,881*
Access Fee: $142
Assessment Fee: $30
Lab Fees: $50
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers
All of these courses count toward either the AS degree in Computer Engineering Technology, Computer Information Technology, Computer Programming and Analysis, Electronics Engineering Technology, and Networking Services Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

15-1071.00 Network and Computer Systems Administrators http://www.onetonline.org/link/summary/15-1071.00

For additional Information on wages, trends and career videos:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151071&id=1&nodeid=2&stfips=12&search=Go

Program Specific Courses

Course	Title	SEM HRS	
CET1600	Network Plus	4.00	
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CET2620	Cisco Wide Area Network (WAN)	4.00	*Pre-Reqs: CET2615*
COP1000	Principles of Computer Programming	3.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
CET1600	Network Plus	4.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
COP1000	Principles of Computer Programming	3.00	
... ...	**2nd Semester**		
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CET2620	Cisco Wide Area Network (WAN)	4.00	*Pre-Reqs: CET2615*
TOTAL	...	**18.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Network System Developer

Program Information

A.S. Certificate - Code 0908 - Catalog 2012/2013

Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Lawrence Pivec, Assistant Chair, pivecl@daytonastate.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

09/14/2012 M - 1329

Program Mission, Description, and Outcomes

Mission:

The certificate program is designed to provide the students with a background of computer electronics and architecture along with an overview of computer networking. Students plan, install, configure, and monitor computer networks in a LAN/WAN environment.

Description:

The certificate program in Network System Developer is designed to provide a strong background of computer electronics and architecture along with a strong overview of computer networking. Students plan, install, configure, and monitor computer networks in a LAN/WAN environment. Students will be prepared to apply conceptual and theoretical knowledge to the workplace utilizing technical skills learned during the program.

Outcomes:

Graduates of the program will be able to:
1. Plan and assess proficiency in computer systems architecture.
2. Demonstrate proficiency in the use of microcomputer disk operating system services and functions.
3. Design and create proficiency in structured cabling and use of peripheral equipments.
4. Analyze and assess customer site requirements and considerations.
5. Measure and evaluate network security technologies and their application.
6. Present how data communications protocols and devices interact with each other.
7. Incorporate appropriate math skills in designing data communication system.
8. Plan and perform troubleshooting and maintenance on network hardware and software.

9. Plan out and program network devices such as switches and routers and configure wireless devices.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $4,284*
Access Fee: $324 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $120
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Most of these courses count toward the AS degree in Computer Engineering Technology, and some courses could be applied toward AS degrees in Computer Information Technology, Electronics Engineering Technology, Networking Services Technology and Computer Programming and Analysis.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is four (4) semesters for a full-time student, with 25% graduating within 4 semesters for 2011-12. The Florida Education and Training Information Program (FETPIP) lists the placement rate (2009-2010) for this field: no data available at this time.

15-1081.00 Network Systems and Data Communications Analysts http://www.onetonline.org/link/summary/15-1081.00

For additional Information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151081&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CET2850	Wireless Networking	4.00	*Pre-Reqs: CET1600*
CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*
CET1600	Network Plus	4.00	
CET2123	Microcomputer and Basic Digital Communications	3.00	*Pre-Reqs: CET1112 Conc-Reqs: CET2123L*
CET2123L	Microcomputer and Basic Digital Communications Lab	1.00	*Pre-Reqs: CET1112L Conc-Reqs: CET2123*
CET2154	A+:Computer Operating Systems	4.00	
COP1000	Principles of Computer Programming	3.00	
CET2949	Cooperative Education Experience in Computer Engineering Technology	2.00	
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

Sample Program of Study

Course	Title

... ...   1st Semester

Course	Title	SEM HRS	
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
COP1000	Principles of Computer Programming	3.00	
CET2154	A+:Computer Operating Systems	4.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

... ...   2nd Semester

Course	Title	SEM HRS	
CET1600	Network Plus	4.00	
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*

... ...   3rd Semester

Course	Title	SEM HRS	
CET2850	Wireless Networking	4.00	*Pre-Reqs: CET1600*
CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*

... ...   4th Semester

Course	Title	SEM HRS	
CET2123	Microcomputer and Basic Digital Communications	3.00	*Pre-Reqs: CET1112 Conc-Reqs: CET2123L*
CET2123L	Microcomputer and Basic Digital Communications Lab	1.00	*Pre-Reqs: CET1112L Conc-Reqs: CET2123*
CET2949	Cooperative Education Experience in Computer	2.00	

Engineering Technology

TOTAL ...   **41.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Networking Services Technology

Program Mission, Description, and Outcomes

Mission:
The content is designed to prepare students to plan, install, configure, monitor, troubleshoot and manage computer networks in a LAN/WAN environment. This program helps students learn the fundamentals of computer hardware, operating systems and network essentials.

Description:
The Networking Services Technology program provides students with the technical credentials needed for IT (information technology) careers in computer network management, design, installation, maintenance and support. This program helps students learn the fundamentals of computer hardware, operating systems and network essentials. It shows students how to install, configure, maintain, troubleshoot and repair computers and networks. Students choose networking elective courses to further prepare to administer, configure, connect, plan, maintain, manage and secure complex local area and wide area networks. Depending upon network electives selected, the student can simultaneously complete industry certifications including Microsoft MCSA Certification, CompTIA A+, Network+, Linux+, Security+, Wireless Networking Certifications, and Cisco CCNA Certification.

Outcomes:
Graduates of the program will be able to:
1. Analyze a problem, and identify and define the network services requirements appropriate to its solution.
2. Design, implement and evaluate a network services based system, process, component, or program to meet desired needs.
3. Apply knowledge of network services appropriate to the discipline.
4. Function effectively on teams to accomplish a common goal.
5. Apply and understand professional, ethical, legal, security, and social issues and responsibilities.
6. Communicate effectively with a range of audiences.
7. Analyze the local and global impact of network services on individuals, organizations and society.
8. Recognize the need for, and an ability to engage in, continuing professional development.
9. Use current techniques, skills, and tools necessary for network services practices.
10. Apply network services foundations and theory in the modeling and design of network services based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

11. Apply design and development principles in the construction of network services systems of varying complexity.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Class Materials Fees: $50 for program specific courses. Refer to course descriptions in the current college catalog.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 Credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*

		Behavioral & Social Sciences Core (3 credits)		
		Choose One Course		
			SEM HRS	
DEP2004	Developmental Psychology		3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology		3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology		3.00	*Pre-Reqs: ENC1101*

		Humanities, Cultural & Aesthetic Core (3 credits)		
		Choose One Course		
			SEM HRS	
AML2050	Modern American Literature		3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature		3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature		3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation		3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation		3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare		3.00	*Pre-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities		3.00	*Co-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities		3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature		3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I		3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II		3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women		3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature		3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature		3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation		3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America		3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation		3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	**Title**			
			SEM HRS	
CTS2306	Microsoft Windows Professional		4.00	*Pre-Reqs: CET1600*
CET2154	A+:Computer Operating Systems		4.00	
COP2220	Computer Programming "C"	**OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"			*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab	**OR**		*Conc-Reqs: COP2001*
COP2800	Computer Programming "Java"		3.00	*Pre-Reqs: COP1000*
CET2660	Fundamentals of Network Security		4.00	*Pre-Reqs: CET1600 AND CTS2321*
COP1000	Principles of Computer Programming		3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems		1.00	
CTS2321	Linux System Administration		4.00	
CET1600	Network Plus		4.00	
CIS2350	Principles of Information Assurance		3.00	*Pre-Reqs: CET1600*
EGS1000	Professional Performance for Technicians		3.00	
		Choose 15 Hours of Electives	15.00	

		Recommended Security Concentration Electives		
			SEM HRS	
CGS2840	Secure Electronic Commerce		4.00	*Pre-Reqs: CET1600*
CIS2381	Foundations of Digital Forensics		4.00	*Pre-Reqs: CTS2321 AND CET1600*
CNT2402	Enterprise Security Management		3.00	*Pre-Reqs: CET1600*

		Computer Elective (4 Hrs.) - Any from the List		
		Recommended CISCO Concentration Electives		
			SEM	

CET2615	Advanced Cisco Router Configuration	4.00	*Pre-Reqs: CET1600*
CET2620	Cisco Wide Area Network (WAN)	4.00	*Pre-Reqs: CET2615*
CET2625	Building Scalable Cisco Internetworks	4.00	*Pre-Reqs: CET2615*

| ... ... | **Computer Elective (3 Hrs.) - Any from the List** | | |
| ... ... | **Recommended Windows Concentration Electives** | | |

		SEM HRS	
CTS2328	Managing and Maintaining a Windows Network Environment	4.00	*Pre-Reqs: CTS2306*
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	4.00	*Pre-Reqs: CTS2306*
CTS2302	Microsoft Windows Active Directory Services	4.00	*Pre-Reqs: CTS2328*

| ... ... | **Computer Elective (3 Hrs.) - Any from the List** | | |

		SEM HRS	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
CTS2330	Microsoft Exchange Server Implementation and Administration	4.00	*Pre-Reqs: COP2010*
CTS2311	Linux Networking and Security	4.00	*Pre-Reqs: CTS2321*
CTS2303	Designing Windows Active Directory Services	4.00	*Pre-Reqs: CTS2302*

Sample Program of Study

| Course | Title | | |

| ... ... | **First Year** | | |
| ... ... | **1st Semester** | | |

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
CET2154	A+:Computer Operating Systems	4.00	
COP1000	Principles of Computer Programming	3.00	
... ...	**Behavioral & Social Sciences Core**	3.00	

| ... ... | **2nd Semester** | | |

		SEM HRS	
CET1600	Network Plus	4.00	
CTS2321	Linux System Administration	4.00	
CTS2306	Microsoft Windows Professional	4.00	*Pre-Reqs: CET1600*
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	

| ... ... | **Summer Semester** | | |

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

| ... ... | **Second Year** | | |
| ... ... | **1st Semester** | | |

		SEM HRS	
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"		*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab **OR**		*Conc-Reqs: COP2001*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
... ...	**Computer Elective**	4.00	
CIS2350	Principles of Information Assurance	3.00	*Pre-Reqs: CET1600*
CET2660	Fundamentals of Network Security	4.00	*Pre-Reqs: CET1600 AND CTS2321*

EGS1000　Professional Performance for Technicians　　3.00

... ...　**2nd Semester**

		SEM HRS	
CTS2328	Managing and Maintaining a Windows Network Environment	4.00	*Pre-Reqs: CTS2306*
... ...	**Computer Elective**	4.00	
... ...	**Computer Elective**	3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems	1.00	
TOTAL	...	**63.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Nursing (Associate Degree) (Limited Access Program)

Program Information

A.S. Degree - Code 2171/2071 - Catalog 2012/2013
Lillian Rosati, Assistant Chair, 386-506-3797, macjr797@juno.com
Linda Vought, Office Assistant, 386-506-3250, voughtl@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the associate degree nursing program is to provide an innovative learning environment that prepares students to be professional, ethical, and competent caregivers in an increasingly diverse society. The realization of this mission will be student attainment of learning and end of program outcomes.

Description:
The associate degree nursing program prepares students to pursue a career in nursing by providing high quality instruction in classroom and clinical learning environments. Healthcare employment opportunities are available in long-term care, home health, hospital, and out patient settings. Clinical experiences are provided at local extended care facilities, hospitals, and other community agencies. Job title: Registered Nurse. Graduates are eligible to take the National Council Licensing Examination for Registered Nurses.

Classes admitted in January and August. Registered nurses with associate of science degrees are eligible for admission to UCF's bachelor of science in nursing (BSN) degree program.

The associate degree nursing program is accredited by the National League for Nursing Accrediting Commission. Information about tuition, fees and program length also may be obtained from the National League for Nursing Accrediting Commission 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326. Phone - 800.669.1656

Program Outcomes:
1. The NCLEX licensure exam pass rate for associate degree nursing graduates will be at or above the national mean.
2. Seventy five percent of associate degree nursing graduates will complete the program of study within a three year time frame.
3. Seventy five percent of associate degree nursing graduates will express satisfaction with their program of study.
4. Seventy five percent of associate degree nursing graduates will obtain employment as a registered nurse within six months of graduation.

Graduates of the program will be able to:
Nursing Process
1. Utilize the nursing process and principles of best practices to meet the needs of individuals, families, groups and communities across the lifespan.

Cultural Competence
2. Provide caring, spiritual and culturally sensitive nursing care to individuals, families, groups and communities across the lifespan.

Communication
3. Use professional and technical resources to effectively communicate to individuals, families, groups and communities across the lifespan.

Human Needs
4. Practice within the ethical and legal framework of nursing and utilize the standards of nursing practice to meet the needs of individuals,

families, groups and communities across the lifespan

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Laboratory and Technology Fees (including liability insurance): $200 per semester
Textbooks: $1,000
Uniforms: $150
Laboratory Supplies: $225
NCLEX Exam: $405
FDLE/FBI Background Check: $90

Additional Admission Requirements

- This is a limited access program. How to Apply to the ADN Program

- Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completed the General Education classes required.

- Completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: ENC

1101 (College Composition); MAC 1105 (College Algebra); MCB 1010/1010L (Microbiology and Lab); and BSC 1085/1085L (Human Anatomy and Physiology I and Lab).

- Cumulative grade point average of 2.5 or better is the minimum required for consideration for continuing enrollment.

- Applications for continuing enrollment are submitted May and September. Students will be approved for continuing enrollment based on specific admission criteria. Students must apply each application cycle until accepted based on the selection process.

- Completion of the Test of Essential Academic Skills (TEAS IV) with minimum scores of 75 percentile composite and 65 percentile mathematics and reading or TEAS V with minimum scores of 59 percentile composite, 63 percentile mathematics and 69 percentile reading is required for continuing enrollment approval. Applications submitted after January 1, 2012 must include TEAS scores; NET scores will not be accepted after January 1, 2012.

- Completion of health screening to include: recent physical examination; verification of immunization against tetanus, measles, mumps, rubella, varicella and Hepatitis 'B'; and PPD test for tuberculosis (or chest X-ray if indicated) is required prior to enrolling in program specific courses.

- Basic Cardiac Life Support (BLS) certification for healthcare providers to include adults, infant, children, and automatic external defibrillator (AED) affiliated with the American Heart Association or the American Red Cross is required prior to enrolling in program specific courses.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- According to Florida Board of Nursing, convicted felons who have had their civil rights removed are not eligible to take the National Council Licensure Examination for Registered Nurses.

- General education courses (pre and co-requisites) and Nursing courses must be completed with a grade of 'C' or better.

- Students will be held accountable for the policies and procedures of the nursing program as outlined in the nursing student policy handbook, as well as the college student handbook.

- Readmission and transfer nursing courses must have been taken within one year and evaluated by the nursing readmission and transfer committee. Transfer nursing students are accepted on a limited basis depending on space availability.

General Education Courses

Course	Title		

... ...	**General Education Core - 26 Credits**		
... ...	**Communications Core (9 credits)**	**SEM HRS**	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ...	**Mathematics Core (3 credits)**	**SEM HRS**	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*

... ...1	**Science Core (8 credits)**	**SEM HRS**	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*

... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**	**SEM HRS**	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*

AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Behavioral & Social Sciences Core (3 credits)

		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

Additional Required Courses - 4 Credits

		SEM HRS	
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
NUR1010	Foundations of Nursing Practice	3.00	*Co-Reqs: NUR1005 OR NUR1020 Pre-Reqs: ENC1101 AND MCB1010 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010L*
NUR1020	Nursing Process I	3.00	*Co-Reqs: PSY1012 AND NUR1010 AND BSC1086L AND BSC1086 Pre-Reqs: ENC1101 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010 AND MCB1010L Conc-Reqs: NUR1020L*
NUR1020L	Nursing Process I Lab	4.00	*Co-Reqs: BSC1086 AND PSY1012 AND BSC1086L AND NUR1010 Pre-Reqs: ENC1101 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010 AND MCB1010L Conc-Reqs: NUR1020*
NUR1423	Nursing Process II	2.00	*Co-Reqs: NUR1230L AND NUR1230 AND ENC1102 Pre-Reqs: NUR1005 OR NUR1010 AND NUR1020 Conc-Reqs: NUR1423L*
NUR1423L	Nursing Process II Lab	2.00	*Conc-Reqs: NUR1423*
NUR1230	Nursing Process III	3.00	*Co-Reqs: NUR1423L AND NUR1423 AND ENC1102 Pre-Reqs: NUR1020L AND NUR1010 AND NUR1020 Conc-Reqs: NUR1230L*
NUR1230L	Nursing Process III Lab	4.00	*Conc-Reqs: NUR1230*
NUR2731	Nursing Process IV	5.00	*Co-Reqs: SPC2608 Pre-Reqs: NUR1005 OR NUR1230 Conc-Reqs: NUR2731L*
NUR2731L	Nursing Process IV Lab	5.00	*Conc-Reqs: NUR2731*
NUR2940	Nursing Process V	5.00	*Pre-Reqs: NUR2731 AND NUR2731L Conc-Reqs: NUR2940L*
NUR2940L	Nursing Process V Lab	6.00	*Conc-Reqs: NUR2940*

Sample Program of Study

Course	Title

Prerequisite Courses

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*

BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*

1st Year - 1st Semester

SEM HRS

BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
NUR1010	Foundations of Nursing Practice	3.00	*Co-Reqs: NUR1005 OR NUR1020 Pre-Reqs: ENC1101 AND MCB1010 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010L*
NUR1020	Nursing Process I	3.00	*Co-Reqs: PSY1012 AND NUR1010 AND BSC1086L AND BSC1086 Pre-Reqs: ENC1101 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010 AND MCB1010L Conc-Reqs: NUR1020L*
NUR1020L	Nursing Process I Lab	4.00	*Co-Reqs: BSC1086 AND PSY1012 AND BSC1086L AND NUR1010 Pre-Reqs: ENC1101 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010 AND MCB1010L Conc-Reqs: NUR1020*

2nd Semester

SEM HRS

ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
NUR1423	Nursing Process II	2.00	*Co-Reqs: NUR1230L AND NUR1230 AND ENC1102 Pre-Reqs: NUR1005 OR NUR1010 AND NUR1020 Conc-Reqs: NUR1423L*
NUR1423L	Nursing Process II Lab	2.00	*Conc-Reqs: NUR1423*
NUR1230	Nursing Process III	3.00	*Co-Reqs: NUR1423L AND NUR1423 AND ENC1102 Pre-Reqs: NUR1020L AND NUR1010 AND NUR1020 Conc-Reqs: NUR1230L*
NUR1230L	Nursing Process III Lab	4.00	*Conc-Reqs: NUR1230*

2nd Year - 1st Semester

SEM HRS

SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
NUR2731	Nursing Process IV	5.00	*Co-Reqs: SPC2608 Pre-Reqs: NUR1005 OR NUR1230 Conc-Reqs: NUR2731L*
NUR2731L	Nursing Process IV Lab	5.00	*Conc-Reqs: NUR2731*

2nd Semester

SEM HRS

Humanities, Cultural & Aesthetic Core — 3.00

NUR2940	Nursing Process V	6.00	*Pre-Reqs: NUR2731 AND NUR2731L Conc-Reqs: NUR2940L*
NUR2940L	Nursing Process V Lab	5.00	*Conc-Reqs: NUR2940*

TOTAL ... **72.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

<u>Notes</u>

1. Students who choose the BSC 1085/1086 option to fulfill the biological sciences core requirements can use remaining credits to fulfull elective hours as appropriate. Both courses must be successfully completed to satisfy the biological sciences core requirements.

Nursing (Transition Into Profession) (Limited Access Program)

Program Information

A.S. Degree - Code 2171/2271 - Catalog 2012/2013
Lillian Rosati, Assistant Chair, 386-506-3797, macjr797@juno.com
Linda Vought, Office Assistant, 386-506-3250, voughtl@DaytonaState.edu

08/22/2012 M - 1290

Program Mission, Description, and Outcomes

Mission:
The mission of the associate degree nursing program is to provide an innovative learning environment that prepares students to be professional, ethical, and competent caregivers in an increasingly diverse society. The realization of this mission will be student attainment of learning and end of program outcomes.

Description:
The program is designed for Licensed Practical Nurses (LPN), Paramedics, or Registered Respiratory Therapists (RRT) seeking an associate of science degree in nursing. Healthcare employment opportunities are available in long term care, home health, hospital, and out patient settings. Clinical experiences are provided at local extended care facilities, hospitals, and other community agencies. Job title: Registered Nurse. Graduates are eligible to take the National Council Licensing Examination for Registered Nurses. Classes admitted every January and August. Registered nurses with associate of science degrees are eligible for admission to UCF's bachelor of science in nursing (BSN) degree program.

The associate degree nursing program is accredited by the National League for Nursing Accrediting Commission. Information about tuition, fees and program length also may be obtained from the National League for Nursing Accrediting Commission 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326. Phone - 800.669.1656

Outcomes:
1. The NCLEX licensure exam pass rate for associate degree nursing graduates will be at or above the national mean.
2. Seventy five percent of associate degree nursing graduates will complete the program of study within a three year time frame.
3. Seventy five percent of associate degree nursing graduates will express satisfaction with their program of study.
4. Seventy five percent of associate degree nursing graduates will obtain employment as a registered nurse within six months of graduation.

Graduates of the program will be able to:
Nursing Process
1. Utilize the nursing process and principles of best practices to meet the needs of individuals, families, groups and communities across the lifespan.

Cultural Competence
2. Provide caring, spiritual and culturally sensitive nursing care to individuals, families, groups and communities across the lifespan.

Communication
3. Use professional and technical resources to effectively communicate to individuals, families, groups and communities across the lifespan.

Human Needs
4. Practice within the ethical and legal framework of nursing and utilize the standards of nursing practice to meet the needs of individuals,

families, groups and communities across the lifespan

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Lab Fees (including liability insurance): $207 per semester
Textbooks: $900
Uniforms: $150
Laboratory Supplies: $181
NCLEX Exam: $405

FDLE/FBI Background Check: $90

Additional Admission Requirements
- This is a limited access program. How to Apply to the ADN Program

- Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- Have completed LPN, Paramedic, or RRT program and have one year working experience within the last three years. **Florida license as a practical nurse, or certification as a paramedic, or registered respiratory therapist. Students will be given ten semester hours of Advanced

Standing for this licensure.

- LPNs must provide evidence of a current Florida license as a practical nurse. Paramedic and RRTs must provide evidence of Florida certification. Must be in good standing with the Board that regulates profession.

- Paramedics and RRTs must complete a Certified Nursing Assistant course or provide evidence of a current Certified Nursing Assistant license in Florida.

- Paramedics and RRTs will be required to attend a medication skills laboratory and prove competency in critical skills.

- Failure to complete the ATI RN Maternal Newborn content mastery examination for NUR 1423/1423L (Nursing Process II) with a score equal to or greater than Level II will require completion of Nursing Process II before progressing to NP IV.

- Completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: BSC 1085/1085L (Human Anatomy and Physiology I and Lab); BSC 1086/1086L (Human Anatomy and Physiology II and Lab); MCB 1010/1010L (Microbiology and Lab); ENC 1101 (College Composition); ENC 1102 (Literature and Composition); MAC 1105 (College Algebra); PSY 1012 (General Psychology).

- Cumulative grade point average of 2.5 or better is the minimum required for consideration for continuing enrollment.

- Applications for continuing enrollment are submitted May and September. Students will be approved for continuing enrollment based on specific admission critera. Students must apply each application cycle until accepted based on the selection process.

- Completion of the Test of Essential Academic Skills (TEAS IV) with minimum scores of 75 percentile composite and 65 percentile mathematics and reading or TEAS V with minimum scores of 59 percentile composite, 63 percentile mathematics and 69 percentile reading is required for continuing enrollment approval. Applications submitted after January 1, 2012 must include TEAS scores; NET scores will not be accepted after January 1, 2012.

- Completion of health screening to include: recent physical examination; verification of immunization against tetanus, measles, mumps, rubella, varicella and Hepatitis "B"; and negative test for tuberculosis is required prior to enrolling in program specific courses.

- Basic Cardiac Life Support (BLS) certification for healthcare providers to include adults, infant, children, and automatic external defibrillator (AED) affiliated with the American Heart Association or the American Red Cross is required prior to enrolling in program specific courses.

- Basic computer competency skills. Specific courses involve web-enhanced learning.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- According to Florida Board of Nursing, convicted felons who have had their civil rights removed are not eligible to take the National Council Licensure Examination for Registered Nurses.

- General education (pre and co-requisites) and Nursing courses must be completed with a grade of "C" or better.

- Students will be held accountable for the policies and procedures of the nursing program as outlined in the nursing student policy handbook, as well as the college student handbook.

- Readmission and transfer nursing courses must have been taken within one year and evaluated by the nursing readmission and transfer committee. Limited space is available for transfer nursing students.

General Education Courses

Course   **Title**

... ...   **General Education Core - 26 Credits**
... ...   **Communications Core (9 credits)**

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition	3.00	*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ...   **Mathematics Core (3 credits)**

Course	Title	SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*

... ...1   **Sciences Core (8 credits)**

SEM

		HRS	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*

... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**		
		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

... ...	**Behavioral & Social Sciences Core (3 credits)**		
		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

... ...	**Additional Required Courses - 4 Credits**		
		SEM HRS	
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title		
		SEM HRS	
NUR1010	Foundations of Nursing Practice	3.00	*Co-Reqs: NUR1005 OR NUR1020 Pre-Reqs: ENC1101 AND MCB1010 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010L*
NUR1005	Transition into Professional Nursing	3.00	*Pre-Reqs: BSC1085 AND BSC1086 AND BSC1086L AND BSC1085L AND PSY1012 AND MCB1010 AND ENC1102 AND MAC1105 AND MCB1010L AND ENC1101 Conc-Reqs: NUR1005L*
NUR1005L	Transition into Professional Nursing Lab	5.00	*Conc-Reqs: NUR1005*
NUR2731	Nursing Process IV	5.00	*Co-Reqs: SPC2608 Pre-Reqs: NUR1005 OR NUR1230 Conc-Reqs: NUR2731L*
NUR2731L	Nursing Process IV Lab	5.00	*Conc-Reqs: NUR2731*
NUR2940	Nursing Process V	5.00	*Pre-Reqs: NUR2731 AND NUR2731L Conc-Reqs: NUR2940L*
NUR2940L	Nursing Process V Lab	6.00	*Conc-Reqs: NUR2940*
TOTAL	...	**32.00**	

Sample Program of Study

Course   **Title**

		Advanced Standing **	SEM HRS	
NUR2990	Advanced Standing		10.00	

		Prerequisite Courses	SEM HRS	
ENC1101	College Composition		3.00	*Pre-Reqs: ENC0025 AND REA0017*
ENC1102	Literature and Composition		3.00	*Pre-Reqs: ENC1101*
MAC1105	College Algebra		3.00	*Pre-Reqs: MAT1033*
BSC1085	Human Anatomy and Physiology I		3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab		1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II		3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab		1.00	*Conc-Reqs: BSC1086*
MCB1010	Microbiology		3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab		1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*
PSY1012	General Psychology		3.00	*Co-Reqs: ENC1101*

		1st Semester	SEM HRS	
NUR1010	Foundations of Nursing Practice		3.00	*Co-Reqs: NUR1005 OR NUR1020 Pre-Reqs: ENC1101 AND MCB1010 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010L*
NUR1005	Transition into Professional Nursing		3.00	*Pre-Reqs: BSC1085 AND BSC1086 AND BSC1086L AND BSC1085L AND PSY1012 AND MCB1010 AND ENC1102 AND MAC1105 AND MCB1010L AND ENC1101 Conc-Reqs: NUR1005L*
NUR1005L	Transition into Professional Nursing Lab		5.00	*Conc-Reqs: NUR1005*

		2nd Semester	SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills		3.00	*Pre-Reqs: ENC1101*
NUR2731	Nursing Process IV		5.00	*Co-Reqs: SPC2608 Pre-Reqs: NUR1005 OR NUR1230 Conc-Reqs: NUR2731L*
NUR2731L	Nursing Process IV Lab		5.00	*Conc-Reqs: NUR2731*

		3rd Semester	SEM HRS	
... ...		**Humanities, Cultural and Aesthetic Core**	3.00	
NUR2940	Nursing Process V		6.00	*Pre-Reqs: NUR2731 AND NUR2731L Conc-Reqs: NUR2940L*
NUR2940L	Nursing Process V Lab		5.00	*Conc-Reqs: NUR2940*

TOTAL ... **72.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Students who choose the BSC 1085/1086 option to fulfill the biological sciences core requirements can use remaining credits to fulfill elective hours as appropriate. Both courses must be successfully completed to satisfy the biological sciences core requirements.

**Florida license as a practical nurse, or certification as a paramedic, or registered respiratory therapist. Students will be given ten semester hours of Advanced Standing for this licensure.

Occupational Therapy Assistant (Limited Access Program)

Program Information

A.S. Degree - Code 2115/2215 - Catalog 2012/2013
Mary Craig-Oatley, Assistant Chair, 386-506-3624, craigom@daytonastate.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
Our mission is to train occupational therapy assistant generalists who are recognized as meeting the needs of their community as competent entry-level practitioners, using occupation to promote health and participation in daily life.

-We encourage access to adult students who have diverse backgrounds and educational experience.

-We seek to maximize student success (opportunity, mastery of skills, and satisfaction) through excellent, innovative learning practices and up-to-date technologies and evidence.

-We provide both academic and clinical experiences to provide a strong professional foundation.

-We strive to develop effective, responsible, and contributing practitioners who can continue life-long learning.

Description:
The program trains and qualifies graduates to work in occupational therapy. Occupational therapy is a health and rehabilitation profession that provides services to individuals who are physically, psychologically or developmentally disabled or is at risk for these. Occupational therapy strives to help clients achieve a maximum level of independent living. Job title: Occupational Therapy Assistant. The Occupational Therapy Assistant program is currently accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. AOTA's phone number is (301) 652-AOTA (2682) and Web address is http://www.aota.org/. Graduates of the program will be able to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy, Inc. (NBCOT). (Their phone number is 301-990-7979 or http://www.nbcot.org/.) After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination.

Outcomes:
Graduates of the program will be able to:
1. Value the ethics, values, and beliefs of the profession.
2. Differentiate the roles of the occupational therapist (OT) and occupational therapy assistant (OTA) in practice.
3. Reflect on and develop behaviors consistent with professional conduct and continuing development.
4. Use skills in various occupational therapy applications/situations based on concepts learned about communication, clinical reasoning, human body structures and functions, development, pathology, and behavior, and sociocultural conditions and health.
5. Emphasize and analyze how occupation is inherent to human health and participation in life, and is a foundation for service delivery.
6. Apply the concepts of the Occupational Therapy Practice Framework to a variety of delivery models and systems where occupational therapy is both currently practiced and emerging.
7. Distinguish and apply occupational therapy theories, intervention rationales and approaches, and expected outcomes in client care.
8. Practice the processes of screening, evaluation, goal-setting and review, discharge planning, and referral under the supervision of a registered occupational therapist; design and implement an intervention plan; compose service documentation.
9. Deliver services in various practice settings.
10. Select and customize practices based on best available evidence and community-identified needs.
11. Identify and demonstrate selected tasks for managing a practice.
12. Apply a client-centered approach to service delivery.
13. Establish an environment that assures personal and psychological safety and dignity of clients.
14. Practice in compliance with laws, rules, and policies that pertain to clients' services.
15. Participate in service opportunities based on community needs.

Note: All OTA students must complete Level II Fieldwork within 18 months following completion of academic course preparation.

A felony conviction may affect admission into the program and graduate's ability to sit for the NBCOT certification examination or attain state licensure.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Lab Fees (Including liability insurance): $278
Textbooks: $1,000
Licensure Fees: $700

FDLE/FBI Background Screening: $90

Additional Admission Requirements

- This is a limited access program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- Submit completed application for continuing enrollment to the School of Health Careers and Human Services.

- Applications for continuing enrollment are accepted January 1st through April 30th.

- Effective Fall 2012, completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: BSC 1085/1085L (Human Anatomy & Physiology I and Lab), ENC 1101 (College Composition), PSY 1012 (General Psychology), HSC 1000 (Introduction to Health Care) and OTH 1001 (Introduction to Occupational Therapy). All math requirements through MAT1033 should be completed before entering into the program.

- Selection is made once per year. Applicants for continuing enrollment that have a prerequisite GPA of 3.0 or better and have successfully completed the corequisite courses will be ranked higher for program consideration.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- Basic Cardiac Life Support for Health Care Provider and AED through American Heart Association or American Red Cross.

- A pre-admission consultation with the assistant chair is recommended.

- Program specific courses and general education courses must be completed with a grade 'C' or better.

- Students will be held accountable for the policies and procedures of the Occupational Therapy Assistant (OTA) program as outlined in the OTA student handbook, as well as the College Student handbook.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 20 Credits**		
... ...	**Communications Core (3 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
... ...	**Sciences Core (8 credits)**		
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**		
		SEM	

Course	Title	HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

... ... Behavioral & Social Sciences Core (3 credits)

Course	Title	SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
OTH1001	Introduction to Occupational Therapy	3.00	
OTH1003	Human Occupation Across the Lifespan	3.00	
OTH1006	Occupational Therapy Documentation	2.00	
OTH1114	Occupational Therapy Skills and Techniques I	1.00	*Co-Reqs: OTH1001 Conc-Reqs: OTH1114L*
OTH1114L	Occupational Therapy Skills and Techniques I Lab	1.00	*Conc-Reqs: OTH1114*
OTH1014	Analysis of Human Movement	2.00	*Pre-Reqs: BSC1085 Conc-Reqs: OTH1014L*
OTH1014L	Analysis of Human Movement Lab	1.00	*Conc-Reqs: OTH1014*
OTH1800	Occupational Therapy Practicum I	1.00	*Pre-Reqs: OTH1001*
OTH1802	Occupational Therapy Practicum II	2.00	*Pre-Reqs: OTH1800*
OTH2261	Occupational Therapy Skills and Techniques II	2.00	*Co-Reqs: OTH1014 AND OTH2300 Pre-Reqs: OTH1114 Conc-Reqs: OTH2261L*
OTH2261L	Occupational Therapy Skills and Techniques II Lab	1.00	*Conc-Reqs: OTH2261*
OTH2264	Occupational Therapy Skills and Techniques III	2.00	*Co-Reqs: OTH2420L AND OTH2420 AND OTH2520 AND OTH2520L Pre-Reqs: OTH2261 Conc-Reqs: OTH2264L*
OTH2264L	Occupational Therapy Skills and Techniques III Lab	1.00	*Conc-Reqs: OTH2264*
OTH2300	Psychosocial Occupational Therapy	4.00	*Pre-Reqs: OTH1001*
OTH2410	Conditions in Occupational Therapy	3.00	*Pre-Reqs: BSC1085 AND OTH1001*
OTH2420	Occupational Therapy for Physical Dysfunction	3.00	*Pre-Reqs: OTH2410 AND OTH1014C Conc-Reqs: OTH2420L*
OTH2420L	Occupational Therapy for Physical Dysfunction Lab	1.00	*Conc-Reqs: OTH2420*
OTH2520	Developmental Issues	2.00	*Pre-Reqs: OTH2410 Conc-Reqs: OTH2520L*
OTH2520L	Developmental Issues Lab	1.00	*Conc-Reqs: OTH2520*
OTH2840	O.T. Supervised Clinical Practice I	5.00	*Co-Reqs: OTH2933 Pre-Reqs: OTH1802*
OTH2841	O.T. Supervised Clinical Practice II	5.00	*Co-Reqs: OTH2933 Pre-Reqs: OTH2840*
OTH2933	O.T. Seminar for Clinical Practice	1.00	*Co-Reqs: OTH2841 AND OTH2840*

Sample Program of Study

Course   **Title**

... ...   **Prerequisite Courses**

		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
HSC1000	Introduction to Health Care	3.00	
OTH1001	Introduction to Occupational Therapy	3.00	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

... ...   **First Year - 1st Semester - Fall**

		SEM HRS	
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
OTH1003	Human Occupation Across the Lifespan	3.00	
OTH1114	Occupational Therapy Skills and Techniques I	1.00	*Co-Reqs: OTH1001 Conc-Reqs: OTH1114L*
OTH1114L	Occupational Therapy Skills and Techniques I Lab	1.00	*Conc-Reqs: OTH1114*
OTH2410	Conditions in Occupational Therapy	3.00	*Pre-Reqs: BSC1085 AND OTH1001*

... ...   **2nd Semester - Spring**

		SEM HRS	
OTH1006	Occupational Therapy Documentation	2.00	
OTH1014	Analysis of Human Movement	2.00	*Pre-Reqs: BSC1085 Conc-Reqs: OTH1014L*
OTH1014L	Analysis of Human Movement Lab	1.00	*Conc-Reqs: OTH1014*
OTH1800	Occupational Therapy Practicum I	1.00	*Pre-Reqs: OTH1001*
OTH2300	Psychosocial Occupational Therapy	4.00	*Pre-Reqs: OTH1001*
OTH2261	Occupational Therapy Skills and Techniques II	2.00	*Co-Reqs: OTH1014 AND OTH2300 Pre-Reqs: OTH1114 Conc-Reqs: OTH2261L*
OTH2261L	Occupational Therapy Skills and Techniques II Lab	1.00	*Conc-Reqs: OTH2261*

... ...   **Second Year - 1st Semester - Fall**

		SEM HRS	
OTH1802	Occupational Therapy Practicum II	2.00	*Pre-Reqs: OTH1800*
OTH2264	Occupational Therapy Skills and Techniques III	2.00	*Co-Reqs: OTH2420L AND OTH2420 AND OTH2520 AND OTH2520L Pre-Reqs: OTH2261 Conc-Reqs: OTH2264L*
OTH2264L	Occupational Therapy Skills and Techniques III Lab	1.00	*Conc-Reqs: OTH2264*
OTH2420	Occupational Therapy for Physical Dysfunction	3.00	*Pre-Reqs: OTH2410 AND OTH1014C Conc-Reqs: OTH2420L*
OTH2420L	Occupational Therapy for Physical Dysfunction Lab	1.00	*Conc-Reqs: OTH2420*
OTH2520	Developmental Issues	2.00	*Pre-Reqs: OTH2410 Conc-Reqs: OTH2520L*

OTH2520L	Developmental Issues Lab	1.00	*Conc-Reqs: OTH2520*
... ...	**2nd Semester - Spring**	**SEM HRS**	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
OTH2840	O.T. Supervised Clinical Practice I	5.00	*Co-Reqs: OTH2933 Pre-Reqs: OTH1802*
OTH2841	O.T. Supervised Clinical Practice II	5.00	*Co-Reqs: OTH2933 Pre-Reqs: OTH2840*
OTH2933	O.T. Seminar for Clinical Practice	1.00	*Co-Reqs: OTH2841 AND OTH2840*
TOTAL	...	**70.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. OTH 2410 meets the graduation requirement for Oral Communications and the basic use of computers for this program.

Office Administration

Program Information

A.S. Degree - Code 2229 - Catalog 2012/2013
Diane Farrow, Assistant Chair, 386-506-3799, farrowd@DaytonaState.edu
School of Applied Business, 386-506-3012

Program Mission, Description, and Outcomes

Mission:
The mission of the Office Administration Program is to better the community by equipping students with the skills, both technical and soft office skills, necessary to become productive and responsible administrative assistants in today's workplace.

Description:
The program provides a solid foundation in office management, computer operations, business law, and word processing software programs. Students develop communication, computation, management, and computer software application skills. Students who successfully complete the courses in the first semester of study are eligible to receive the Office Support Technical Certificate. Upon completion of the first and second semesters of study, students are eligible to receive the Office Management Certificate. Additionally, the student will have the option of specializing in Office, Legal Office or Medical Office specializations.

Graduates of this program are eligible to be enrolled in Daytona State College, Bachelor of Applied Science in Supervision and Management program. Call (386) 506-4BAS or email BASinfo@daytonastate.edu for details.

Outcomes:
Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Perform business computations, records and office management skills.
3. Perform keyboarding and document processing activities.
4. Demonstrate knowledge of human relations skills.
5. Demonstrate employability skills.
6. Perform information processing and transmittal activities.
7. Develop leadership skills.
8. Perform consumer purchasing activities.
9. Perform decision-making activities.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

Program specific courses require a "C" or better.

Careers

Program specific courses count toward Office Support (Technical) Certificate #0926 and Office Management Certificate #0914. Upon completion of the required program specific courses for each program, a certificate may be awarded.

In the second year, students have the option to specialize in either Office, Legal Office or Medical Office Administration.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 18 Credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
... ...	**Choose One Course**	SEM	

Course	Title	HRS	
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*

		Behavioral & Social Sciences Core (3 credits)	
... ...		**Choose One Course**	

Course	Title	SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

		Humanities, Cultural & Aesthetic Core (3 credits)	
... ...		**Choose One Course**	

Course	Title	SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

		Political, Economic & Business Core (3 credits)	
... ...		**Office Specialization Only:**	

Course	Title	SEM HRS	
GEB2430	Business Ethics	3.00	*Co-Reqs: ENC1101*

		Legal Specialization Only:	

Course	Title	SEM HRS	
PLA2880	Constitutional Law	3.00	*Co-Reqs: ENC1101*

		Sciences Core (3 credits)	
... ...		**Medical Specialization Only**	

Course	Title	SEM HRS	
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
GEB1011	Introduction to Business	3.00	
ISM2000	Introduction to Business Information Processing	3.00	
MNA2161	Quality Service Management	3.00	
OST1100	Keyboarding and Formatting I	3.00	
OST1110	Keyboarding and Formatting II	3.00	*Pre-Reqs: OST1100*

OST1330	Business English	3.00	
OST1711	Word Processing I	3.00	*Pre-Reqs: OST1141 OR OST1100*
OST2336	Business Communications	3.00	*Pre-Reqs: ENC1101 OR OST1330*
OST2401	Basic Office Procedures	3.00	
OST2501	Office Management	3.00	
OST2713	Advanced Computer Software Applications	3.00	*Pre-Reqs: CGS2100 OR ISM2000*

... ...   Add'l Office Specialization Course Requirements

Course	Title	SEM HRS	
APA1111	Computerized Accounting/Bookkeeping I	4.00	
APA1711	Computer Spreadsheet	3.00	
BUL2241	Business Law I	3.00	
OST2949	Cooperative Education Experience in Office Systems **OR**	2.00	
OST2828	Business Presentation Software	1.00	
OST2852	Excel for the Office	1.00	

... ...   Add'l Legal Specialization Course Requirements

Course	Title	SEM HRS	
BUL2241	Business Law I	3.00	
OST1435	Legal Terminology	3.00	
OST2431	Legal Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1141 OR OST1100*
PLA2763	Law Office and Management	3.00	

... ...   Add'l Medical Specialization Course Requirements

Course	Title	SEM HRS	
HIM1031	Medical Record Transcription I	1.00	*Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L*
HIM1031L	Medical Record Transcription I Lab	2.00	*Conc-Reqs: HIM1031*
HSC1531	Medical Terminology	4.00	
OST2461	Medical Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1711 OR OST1100*
OST2949	Cooperative Education Experience in Office Systems **OR**	2.00	
OST2828	Business Presentation Software	1.00	
OST2852	Excel for the Office	1.00	

Sample Program of Study

Course   **Title**

... ...   FIRST YEAR
... ...   1st Semester

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ISM2000	Introduction to Business Information Processing	3.00	
OST1100	Keyboarding and Formatting I	3.00	
OST1330	Business English	3.00	
OST2401	Basic Office Procedures	3.00	

... ...   2nd Semester

Course	Title	SEM HRS	
MNA2161	Quality Service Management	3.00	
OST1110	Keyboarding and Formatting II	3.00	*Pre-Reqs: OST1100*
OST2336	Business Communications	3.00	*Pre-Reqs: ENC1101 OR OST1330*
OST2501	Office Management	3.00	
OST2713	Advanced Computer Software Applications	3.00	*Pre-Reqs: CGS2100 OR ISM2000*

... ...   Summer Semester

SEM HRS

... ...	**Mathematics Core**	3.00	

... ... **SECOND YEAR**
... ... **1st Semester**
... ... **Office Specialization Only**

		SEM HRS	
... ...	**Behavioral & Social Sciences Core**	3.00	
OST1711	Word Processing I	3.00	*Pre-Reqs: OST1141 OR OST1100*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
APA1111	Computerized Accounting/Bookkeeping I	4.00	
GEB1011	Introduction to Business	3.00	

... ... **Legal Specialization Only**

		SEM HRS	
... ...	**Behavioral & Social Sciences Core**	3.00	
OST1711	Word Processing I	3.00	*Pre-Reqs: OST1141 OR OST1100*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
OST1435	Legal Terminology	3.00	
OST2431	Legal Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1141 OR OST1100*

... ... **Medical Specialization Only**

		SEM HRS	
... ...	**Behavioral & Social Science Core**	3.00	
OST1711	Word Processing I	3.00	*Pre-Reqs: OST1141 OR OST1100*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
HSC1531	Medical Terminology	4.00	
OST2461	Medical Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1711 OR OST1100*

... ... **2nd Semester**
... ... **Office Specialization Only**

		SEM HRS	
... ...	**Humanities,Cultural & Aesthetic Core**	3.00	
APA1711	Computer Spreadsheet	3.00	
BUL2241	Business Law I	3.00	
GEB2430	Business Ethics	3.00	*Co-Reqs: ENC1101*
OST2949	Cooperative Education Experience in Office Systems **OR**	2.00	
OST2828	Business Presentation Software	1.00	
OST2852	Excel for the Office	1.00	

... ... **Legal Specialization Only**

		SEM HRS	
... ...	**Humanities,Cultural & Aesthetic Core**	3.00	
BUL2241	Business Law I	3.00	
GEB1011	Introduction to Business	3.00	
PLA2763	Law Office and Management	3.00	
PLA2880	Constitutional Law	3.00	*Co-Reqs: ENC1101*

... ... **Medical Specialization Only**

		SEM HRS	
... ...	**Humanities,Cultural & Aesthetic Core**	3.00	
BSC1020	Human Biology	3.00	*Co-Reqs: ENC1101*
HIM1031	Medical Record Transcription I	1.00	*Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L*
HIM1031L	Medical Record Transcription I Lab	2.00	*Conc-Reqs: HIM1031*
GEB1011	Introduction to Business	3.00	
OST2949	Cooperative Education Experience in Office Systems **OR**	2.00	
OST2828	Business Presentation Software	1.00	

OST2852 Excel for the Office   1.00

TOTAL   ...   **63.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

<u>**Notes**</u>
* First, second and summer semesters are the same for all three specializations.

** In the second year, students have the option to specialize in either Office, Legal Office or Medical Office Administration.

Office Administration (Medical Transcription Option)

Program Information

A.S. Degree - Code 2228 - Catalog 2012/2013
Diane Farrow, Assistant Chair, 386-506-3799, farrowd@DaytonaState.edu
Nancy Thomas, Program Mgr, Med Transcription, 386-506-3748, thomasn@daytonastate.edu
School of Applied Business, 386-506-3012

Program Mission, Description, and Outcomes

Mission:
The mission of the Office Administration Medical Transcription Program is to better the community by equipping students with the skills, both technical and soft office skills, necessary to become productive and responsible assistants in today's workplace.

Description:
The program provides a solid foundation in medical office procedures, as well as medical typing and transcription. Students learn a variety of business software and office equipment including transcribers and can gain practical work experience through cooperative education.

Graduates of this program are eligible to be enrolled in Daytona State College, Bachelor of Applied Science in Supervision and Management program. Call (386) 506-4BAS or email BASinfo@daytonastate.edu for details.

Outcomes:
Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Perform business computations, records and medical office management skills.
3. Perform keyboarding and document processing activities.
4. Demonstrate knowledge of human relations skills.
5. Demonstrate employability skills.
6. Perform information and transmittal processing activities.
7. Develop leadership skills.
8. Perform consumer purchasing activities.
9. Perform decision-making activities.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

Program specific courses require a "C" or better.

Careers

Program specific courses count toward the following certificates: Office Management (Code 0914); Office Management - Medical (Code 0919); Office Support (Code 0926).

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title		
... ...	**General Education Core - 20 Credits**		
... ...	**Communications Core (6 credits)**	**SEM HRS**	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Sciences Core (8 credits)**	**SEM HRS**	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*

		SEM HRS	
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*

... ...	**Behavioral & Social Sciences Core (3 credits)**		
... ...	**Choose One Course**		
		SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ...	**Mathematics Core (3 credits)**		
... ...	**Choose One Course**		
		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
HIM1031	Medical Record Transcription I	1.00	*Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L*
HIM1031L	Medical Record Transcription I Lab	2.00	*Conc-Reqs: HIM1031*
HIM1032	Medical Record Transcription II	1.00	*Pre-Reqs: HIM1031 Conc-Reqs: HIM1032L*
HIM1032L	Medical Record Transcription II Lab	2.00	*Conc-Reqs: HIM1032*
HIM2430	Concepts of Diseases	4.00	*Co-Reqs: HIM2442 Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020*
HIM2442	Pharmacology and Lab	1.00	*Co-Reqs: HIM2430*
HSC1531	Medical Terminology	4.00	
ISM2000	Introduction to Business Information Processing	3.00	
OST1100	Keyboarding and Formatting I	3.00	
OST1110	Keyboarding and Formatting II	3.00	*Pre-Reqs: OST1100*
OST1330	Business English	3.00	
OST1711	Word Processing I **OR**		*Pre-Reqs: OST1141 OR OST1100*
MNA2161	Quality Service Management	3.00	
OST2336	Business Communications	3.00	*Pre-Reqs: ENC1101 OR OST1330*
OST2401	Basic Office Procedures	3.00	
OST2461	Medical Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1711 OR OST1100*
OST2501	Office Management	3.00	
OST2852	Excel for the Office	1.00	

Sample Program of Study

Course	Title		
... ...	**FIRST YEAR**		
... ...	**1st Semester**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
ISM2000	Introduction to Business Information Processing	3.00	
OST1100	Keyboarding and Formatting I	3.00	
OST1330	Business English	3.00	
OST2401	Basic Office Procedures	3.00	
... ...	**2nd Semester**		
		SEM HRS	

Code	Course	SEM HRS	Requisites
HIM1031	Medical Record Transcription I	1.00	*Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L*
HIM1031L	Medical Record Transcription I Lab	2.00	*Conc-Reqs: HIM1031*
OST1110	Keyboarding and Formatting II	3.00	*Pre-Reqs: OST1100*
OST2336	Business Communications	3.00	*Pre-Reqs: ENC1101 OR OST1330*
HSC1531	Medical Terminology	4.00	
... ...	**Mathematics Core**	3.00	

		SEM HRS	
... ...	**Summer Semester**		
OST1711	Word Processing I **OR**		*Pre-Reqs: OST1141 OR OST1100*
MNA2161	Quality Service Management	3.00	

... ...   **SECOND YEAR**
... ...   **1st Semester**

Code	Course	SEM HRS	Requisites
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
HIM2430	Concepts of Diseases	4.00	*Co-Reqs: HIM2442 Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020*
HIM2442	Pharmacology and Lab	1.00	*Co-Reqs: HIM2430*
OST2461	Medical Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1711 OR OST1100*
OST2501	Office Management	3.00	

... ...   **2nd Semester**

Code	Course	SEM HRS	Requisites
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
OST2852	Excel for the Office	1.00	
HIM1032	Medical Record Transcription II	1.00	*Pre-Reqs: HIM1031 Conc-Reqs: HIM1032L*
HIM1032L	Medical Record Transcription II Lab	2.00	*Conc-Reqs: HIM1032*
... ...	**Behavioral & Social Sciences Core**	3.00	

TOTAL   ...   **63.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Office Management

Program Mission, Description, and Outcomes

Mission:
The mission of the Office Management Certificate is to provide a quality education that prepares the successful student for entry-level employment in a variety of general office management settings.

Description:
This program is designed for the student seeking employment as an office administration specialist. It provides a solid foundation in computer operations, word processing software, and office procedures. The student develops business communication, computation, computer software application and office management skills. This college credit certificate is articulated into the AS degree in Office Administration.

Outcomes:
Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Perform keyboarding and document processing activities.
3. Demonstrate knowledge of human relations skills.
4. Demonstrate employability skills.
5. Develop leadership skills.
6. Perform information processing and transmittal activities.
7. Perform decision-making activities as related to business software and the office environment.
8. Perform business computations, records and office management skills.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Program Tuition and Fees: $2,821*
Access Fee: $213 ($7.90 per credit)
Assessment Fee: $30
Textbook Estimate: $1,200

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Program Specific Courses require a "C" or better.

Careers
The typical length of this program is two (2) semesters for a full-time student, with no students graduating within 2 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 88%.

Some program specific courses count toward the Office Support (Technical) Certificate #0926.
Some program specific courses count toward the Office Management (Medical Option) Certificate #0919.
Some program specific courses count toward the AS Office Administration Degree #2229.

The following information is required by federal regulations to be provided to student for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org. For additional career information, please see: http://www.onetonline.org/link/summary/43-1011.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career

Program Specific Courses

Course	Title	SEM HRS	
ISM2000	Introduction to Business Information Processing	3.00	
MNA2161	Quality Service Management	3.00	
OST1100	Keyboarding and Formatting I	3.00	
OST1110	Keyboarding and Formatting II	3.00	*Pre-Reqs: OST1100*
OST1330	Business English	3.00	
OST2336	Business Communications	3.00	*Pre-Reqs: ENC1101 OR OST1330*
OST2401	Basic Office Procedures	3.00	
OST2501	Office Management	3.00	
OST2713	Advanced Computer Software Applications	3.00	*Pre-Reqs: CGS2100 OR ISM2000*

Sample Program of Study

Course	Title	SEM HRS	

... ... 1st Semester

Course	Title	SEM HRS	
ISM2000	Introduction to Business Information Processing	3.00	
OST1100	Keyboarding and Formatting I	3.00	
OST1330	Business English	3.00	
OST2401	Basic Office Procedures	3.00	

... ... 2nd Semester

Course	Title	SEM HRS	
MNA2161	Quality Service Management	3.00	
OST1110	Keyboarding and Formatting II	3.00	*Pre-Reqs: OST1100*
OST2336	Business Communications	3.00	*Pre-Reqs: ENC1101 OR OST1330*
OST2501	Office Management	3.00	
OST2713	Advanced Computer Software Applications	3.00	*Pre-Reqs: CGS2100 OR ISM2000*

TOTAL	...	27.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Office Management (Medical Option)

Program Information

A.S. Certificate - Code 0919 - Catalog 2012/2013
Diane Farrow, Assistant Chair, 386-506-3799, farrowd@DaytonaState.edu
School of Applied Business, 386-506-3012

08/08/2012 M - 1251

Program Mission, Description, and Outcomes

Mission:

The mission of the Office Mangement (Medical Option) Certificate is to provide a quality education that prepares the successful student for employment in a variety of medical office settings.

Description:

The program provides a solid foundation in office management, computer operations, and medical office procedures. Students develop communication, computation, management, and computer software application skills.

This college credit certificate is articulated into the AS degree in Office Administration.

Outcomes:

Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Perform business computations, records and medical office management skills.
3. Perform keyboarding and document processing activities.
4. Perform information processing and transmittal activities.
5. Develop leadership skills.
6. Demonstrate employable skills.
7. Demonstrate knowledge of human relations skills.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,552*
Access Fee: $269 ($7.90 per credit)
Assessment Fee: $30
Textbook Estimate: $1,200

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and workprograms available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Program specific courses require a "C" or better.

Careers

The typical length of this program is three (3) semesters, with 23% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 88%.

Some program specific courses count toward the Office Support (Technical) Certificate #0926.
Some program specific courses count toward the Office Management Certificate #0914.
Some program specific courses count toward the AS Office Administration Degree #2229.
All program specific courses count toward the AS Office Administration (Medical Transcription Option) Degree #2228.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org. For additional career information,

please see: http://www.onetonline.org/link/summary/29-2071.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career

Program Specific Courses

Course	Title	SEM HRS	
ISM2000	Introduction to Business Information Processing	3.00	
HIM1031	Medical Record Transcription I	1.00	*Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L*
HIM1031L	Medical Record Transcription I Lab	2.00	*Conc-Reqs: HIM1031*
HSC1531	Medical Terminology	4.00	
MNA2161	Quality Service Management	3.00	
OST1100	Keyboarding and Formatting I	3.00	
OST1110	Keyboarding and Formatting II	3.00	*Pre-Reqs: OST1100*
OST1330	Business English	3.00	
OST2336	Business Communications	3.00	*Pre-Reqs: ENC1101 OR OST1330*
OST2501	Office Management	3.00	
OST2401	Basic Office Procedures	3.00	
OST2461	Medical Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1711 OR OST1100*

Sample Program of Study

Course	Title	
... ...	**1st Semester**	

Course	Title	SEM HRS
ISM2000	Introduction to Business Information Processing	3.00
OST1100	Keyboarding and Formatting I	3.00
OST1330	Business English	3.00
OST2401	Basic Office Procedures	3.00

... ...	**2nd Semester**		

Course	Title	SEM HRS	
HSC1531	Medical Terminology	4.00	
HIM1031	Medical Record Transcription I	1.00	*Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L*
HIM1031L	Medical Record Transcription I Lab	2.00	*Conc-Reqs: HIM1031*
OST1110	Keyboarding and Formatting II	3.00	*Pre-Reqs: OST1100*
OST2336	Business Communications	3.00	*Pre-Reqs: ENC1101 OR OST1330*

... ...	**3rd Semester**		

Course	Title	SEM HRS	
MNA2161	Quality Service Management	3.00	
OST2461	Medical Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1711 OR OST1100*
OST2501	Office Management	3.00	

TOTAL	...	**34.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Office Support (Technical Certificate)

Program Information

A.S. Certificate - Code 0926 - Catalog 2012/2013
Diane Farrow, Assistant Chair, 386-506-3799, farrowd@DaytonaState.edu
School of Applied Business, 386-506-3012

Program Mission, Description, and Outcomes

Mission:

The mission of the Office Support Certificate is to provide a quality education that prepares the successful student for entry-level employment in a variety of office settings.

Description:

Office Support (Technical Certificate) is a 12 hour college credit certificate in the Office Administration program. It is the first step toward the AS degree in Office Administration. This program teaches high quality entry office skills and in addition to being the first semester of the Office Administration AS degree, it is also valuable for clients of One Stop and Fresh Start programs to reintegrate into the work force. Job titles: Entry-level support positions such as general office clerk, office assistant, receptionist, office and administrative support worker, and information clerk.

Credits earned in this certificate may be applied toward the College Credit Certificate in Office Management and the AS degree in Office Administration.

Outcomes:

Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Perform keyboarding and document processing activities.
3. Demonstrate knowledge of human relations skills.
4. Demonstrate employability skills.
5. Perform information processing and transmittal activities.

6. Perform decision-making activities as related to business software and the office environment.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $1,254*
Access Fee: $95 ($7.90 per credit)
Assessment Fee: $30

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- Program Specific Courses require a "C" or better.

Careers

This certificate is the basis for continuing education. Graduates of this certificate are eligible to enroll in certificate 0914 or 0919 or AS degrees 2228 or 2229.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS
ISM2000	Introduction to Business Information Processing	3.00
OST1100	Keyboarding and Formatting I	3.00
OST1330	Business English	3.00
OST2401	Basic Office Procedures	3.00

Sample Program of Study

Course	Title	SEM HRS
ISM2000	Introduction to Business Information Processing	3.00
OST1100	Keyboarding and Formatting I	3.00
OST1330	Business English	3.00
OST2401	Basic Office Procedures	3.00
TOTAL	...	**12.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Paralegal Studies (Legal Assisting)

Program Mission, Description, and Outcomes

Mission:
The mission of the Paralegal Studies Program is to provide students with a solid foundation in procedural and substantive areas of law including research, drafting legal documents, interviewing clients and witnesses, investigative techniques and managing law offices.

Description:
The program provides a solid foundation in procedural and substantive areas of law including research, drafting legal documents, interviewing clients and witnesses, investigative techniques, and managing law offices. Additionally, it prepares students to transfer to a four year program. It also provides eligible students with the necessary skills the student needs to take the Certified Legal Assistant/Certified Paralegal Examination offered by the National Association of Legal Assistants. "http://www.nala.org"

Graduates of this program are eligible to be enrolled in Daytona State College, Bachelor of Applied Science in Supervision and Management program. Call (386) 506-4BAS or email BASinfo@daytonastate.edu for details.

Outcomes:
Graduates of the program will be able to:
1. Communicate in a clear and effective manner.
2. Identify and apply ethical and professional standards of the paralegal profession.
3. Demonstrate ability to utilize the law library and electronic legal research to create well-written legal documents.
4. Apply knowledge of tort law, constitutional law, and criminal law concepts to analyze factual situations.
5. Illustrate knowledge of all phases of litigation practice and procedure.
6. Examine real property law and its application to real property transactions.
7. Analyze issues related to estate planning and probate administration concepts and their application to probate procedures.
8. Identify the fundamental principles of the law of business organizations.
9. Explain how contract law and the Uniform Commercial Code impacts individuals and business entities.
10. Demonstrate knowledge of entrepreneurship, management techniques and procedures.
11. Analyze family law situations by applying family law and procedure.

12. Identify and demonstrate employability skills.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

Program specific courses require a "C" or better.

General Education Courses

Course	Title		

... ...	**General Education Core - 18 Credits**		
... ...	**Communications Core (6 credits)**	**SEM HRS**	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*

... ...	**Mathematics Core (3 credits)**		
... ...	**Choose One Course**	**SEM HRS**	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
MGF2106	College Mathematics	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
STA2023	Elementary Statistics	3.00	*Pre-Reqs: MAC1105 OR MGF2106*

Behavioral & Social Sciences Core (3 credits)

... ...   **Choose One Course**

Course	Title	SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

Humanities, Cultural & Aesthetic Core (3 credits)

... ...   **Choose One Course**

Course	Title	SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Political, Economic & Business Core (3 credits)

Course	Title	SEM HRS	
PLA2880	Constitutional Law	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
BUL2241	Business Law I	3.00	
BUL2242	Business Law II	3.00	
ISM2000	Introduction to Business Information Processing	3.00	
OST1141	Keyboarding **OR**		
OST2828	Business Presentation Software	1.00	
OST1435	Legal Terminology	3.00	
PLA1003	Introduction to Paralegal	3.00	
OST2431	Legal Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1141 OR OST1100*
PLA1103	Legal Writing and Research I	3.00	*Co-Reqs: BUL2241 AND ENC1101*
PLA1610	Real Estate Law and Property	3.00	
PLA1800	Law of Domestic Relations	3.00	
PLA2114	Legal Writing and Research II	3.00	*Pre-Reqs: PLA1103 AND ENC1101*
PLA2200	Introduction to Litigation, Torts and Evidence	3.00	*Pre-Reqs: BUL2241 AND ENC1101*
PLA2303	Criminal Law and the Paralegal	3.00	
PLA2460	Bankruptcy Law	3.00	
PLA2600	Probate Administration	3.00	*Pre-Reqs: BUL2241 AND PLA1003*
PLA2763	Law Office and Management **OR**		
PLA2949	Cooperative Education Experience in Legal Assisting	3.00	

Sample Program of Study

Course	Title

... ...   **FIRST YEAR**

... ...	**1st Semester**		
		SEM HRS	
BUL2241	Business Law I	3.00	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
OST1141	Keyboarding **OR**		
OST2828	Business Presentation Software	1.00	
OST1435	Legal Terminology	3.00	
PLA1003	Introduction to Paralegal	3.00	

... ...	**2nd Semester**		
		SEM HRS	
PLA1103	Legal Writing and Research I	3.00	*Co-Reqs: BUL2241 AND ENC1101*
PLA1800	Law of Domestic Relations	3.00	
... ...	**Mathematics Core**	3.00	
BUL2242	Business Law II	3.00	
SYG2000	Introduction to Sociology **OR**		*Pre-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

... ...	**Summer Semester**		
		SEM HRS	
ISM2000	Introduction to Business Information Processing	3.00	

... ...	**SECOND YEAR**		
... ...	**1st Semester**		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
PLA2200	Introduction to Litigation, Torts and Evidence	3.00	*Pre-Reqs: BUL2241 AND ENC1101*
PLA2303	Criminal Law and the Paralegal	3.00	
PLA2460	Bankruptcy Law	3.00	
PLA2114	Legal Writing and Research II	3.00	*Pre-Reqs: PLA1103 AND ENC1101*

... ...	**2nd Semester**		
		SEM HRS	
PLA1610	Real Estate Law and Property	3.00	
OST2431	Legal Keyboarding and Office Procedures	3.00	*Pre-Reqs: OST1141 OR OST1100*
PLA2600	Probate Administration	3.00	*Pre-Reqs: BUL2241 AND PLA1003*
PLA2880	Constitutional Law	3.00	*Co-Reqs: ENC1101*
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
PLA2763	Law Office and Management **OR**		
PLA2949	Cooperative Education Experience in Legal Assisting	3.00	

| **TOTAL** | ... | **64.00** | |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. Students with the ability to type at least 25wpm may take the APL typing test to test out of OST1141 and have the option of taking OST2828.
2. Paralegals cannot give legal advice, represent a client, or provide legal services directly to the public, except as permitted by law.
3. Most public service agencies and some law firms require the student to undergo a drug screening and a criminal background check prior to placement in legal departments. A student whose drug screening and criminal background check is deemed unsatisfactory may be denied access to public service agencies. If the student enrolls in a cooperative education class and is seeking experience at the State Attorney's Office or other public service agencies, then a background check is performed by the facility and the student may be denied the cooperative education class based on his or her criminal record.

Paramedic (Limited Access Program)

Program Information

A.S. Certificate - Code 1957/0957 - Catalog 2012/2013
Patricia Maher, Program Manager, 386-506-4188,
Elizabeth Rafferty, Senior Staff Assistant, 386-506-4122, raffere@daytonastate.edu

08/14/2012 M - 1279

Program Mission, Description, and Outcomes

Mission:
The mission of the Paramedic program is to provide the necessary training and practices to deliver high quality, caring patient care in the Prehospital environment.

Description:
The program trains students in the specialized and advanced skills and techniques required for emergency in-the-field pre-hospital care. Instruction covers IV therapy, advanced cardiac life support, advanced care skills for the patient in shock and telemetry and communications. It also provides additional information and skills practice to allow you to become proficient in the care of respiratory, medical and traumatic emergencies. The specific purpose of this program is to meet minimum requirements set by the Florida Department of Health, Bureau of Emergency Medical Services to allow you to take the Florida state certification examination for paramedic. Graduates of the program are eligible to take the Florida state board examination for paramedic. Graduates are qualified to work as advanced care providers on ambulances, in hospital emergency rooms, intensive care units and emergency helicopter transport agencies. Job title: Paramedic.

Note: In order to take this program of study, students must already be a state-certified Florida EMT in good standing. Credits earned in this program may be counted in the Emergency Medical Services AS degree.

Outcomes:
Graduates of the program will be able to:
1. Provide advanced emergency medical care for critical and emergent patients who access the emergency medical system.
2. Possess the complex knowledge and skills necessary to provide patient care and transportation.
3. Function as part of a comprehensive EMS response, under medical oversight.
4. Perform interventions with the basic and advanced medical equipment typically found on

an ambulance.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $4,388*
Access Fee: $332 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: Semester One ($235); Semester Two ($155); Semester Three ($320)
Textbooks/Equipment: $550 Entire Year
Uniforms: $200 Entire Year
Criminal Background Check and Drug Screen: $90

* In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http"//www.daytonastate.edu/scholarships.

Additional Admission Requirements

- All students must take an Entrance Exam before getting an application.

- All students must obtain an application from the EMS Program at the Advanced Technology College (ATC), Building 1, Room 124C. Application must be complete and submitted to the EMS Program prior to the stated deadline.

- Attendance at the EMS Orientation Session is Mandatory - Date and Time will be announced by the EMS Program.

- Must provide proof of current State of Florida certification as an Emergency Medical Technician in good standing.

- Acceptable score on the TABE or PERT examinations.

- Satisfactory results of a Florida Department of Law Enforcement background check.

- Applicants who have sponsorship by their employing public safety agency will be given priority.

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Paramedic Graduates have been employed at the local public safety agencies, theme parks and local hospitals.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 84% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 97%.

For additional career information, please see:

http://www.onetonline.org/link/summary/29-2041.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
EMS2603	Paramedic I	9.00	*Co-Reqs: EMS2666 Conc-Reqs: EMS2603L*
EMS2603L	Paramedic I Lab	4.00	*Co-Reqs: EMS2666 Conc-Reqs: EMS2603*
EMS2666	Paramedic Clinical I	1.00	*Co-Reqs: EMS2603 AND EMS2603L*
EMS2604	Paramedic II	9.00	*Co-Reqs: EMS2667 Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L Conc-Reqs: EMS2604L*
EMS2604L	Paramedic II Lab	3.00	*Co-Reqs: EMS2667 Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L Conc-Reqs: EMS2604*
EMS2667	Paramedic Clinical II	2.00	*Co-Reqs: EMS2604 AND EMS2604L Pre-Reqs: EMS2603 AND EMS2603L*
EMS2605	Paramedic III	8.00	*Co-Reqs: EMS2668 AND EMS2659 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605L*
EMS2605L	Paramedic III Lab	3.00	*Co-Reqs: EMS2668 AND EMS2659 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605*
EMS2659	Paramedic Field Internship	3.00	*Co-Reqs: EMS2605 AND EMS2605L Pre-Reqs: EMS2604 AND EMS2667 AND EMS2604L*

Sample Program of Study

Course	Title	SEM HRS	

... ... First Semester

Course	Title	SEM HRS	
EMS2603	Paramedic I	9.00	*Co-Reqs: EMS2666 Conc-Reqs: EMS2603L*
EMS2603L	Paramedic I Lab	4.00	*Co-Reqs: EMS2666 Conc-Reqs: EMS2603*
EMS2666	Paramedic Clinical I	1.00	*Co-Reqs: EMS2603 AND EMS2603L*

... ... Second Semester

Course	Title	SEM HRS	
EMS2604	Paramedic II	9.00	*Co-Reqs: EMS2667 Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L Conc-Reqs: EMS2604L*
EMS2604L	Paramedic II Lab	3.00	*Co-Reqs: EMS2667 Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L Conc-Reqs: EMS2604*
EMS2667	Paramedic Clinical II	2.00	*Co-Reqs: EMS2604 AND EMS2604L Pre-Reqs: EMS2603 AND EMS2603L*

... ... Third Semester

Course	Title	SEM HRS	
EMS2605	Paramedic III	8.00	*Co-Reqs: EMS2668 AND EMS2659 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605L*
EMS2605L	Paramedic III Lab	3.00	*Co-Reqs: EMS2668 AND EMS2659 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605*
EMS2659	Paramedic Field Internship	3.00	*Co-Reqs: EMS2605 AND EMS2605L Pre-Reqs: EMS2604 AND EMS2667*

TOTAL   ...   **42.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

<u>**Notes**</u>

In order to take this program of study, students must already be a state-certified Florida EMT in good standing. Credits earned in this program may be counted in the Emergency Medical Services Degree. The Paramedic program is certified through the Florida Department of Health, Bureau of Emergency Medical Services, and accredited through the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Courses must be taken together in sequential order.

Please contact Beth Rafferty 386-506-4122 or email raffere@daytonastate.edu, if you have any other questions.

Patient Care Assistant (Limited Access Program)

Program Mission, Description, and Outcomes

Mission:

The mission of the nursing assistant program is to provide an innovative learning environment that prepares students to be professional, ethical, and competent caregivers in an increasingly diverse society. The realization of this mission will be student attainment of learning and end of program outcomes.

Description:

The patient care assistant program prepares students to pursue a career as a nurse's aide in a hospital, long-term care facility or home health agency under the supervision of a licensed nurse. Clinical experiences are provided at local extended care facilities, hospitals and other community agencies. Job title: Nursing Assistant. Graduates are eligible to take the Nurse Aide Competency Evaluation Program (NACEP) for certification as a nursing assistant in Florida.

Outcomes:

Graduates of the program will be able to:
1. Utilize Maslow's human needs theory in provision of care to diverse clients across the life span during illness.
2. Demonstrate skills safely and accurately during client care; observing and reporting physical, spiritual, psychosocial needs of the client.
3. Assist the nurse in planning and implementing care to meet the client's nutrition, hydration, and elimination needs.
4. Identify signs, symptoms, and causes of pressure ulcers and clients at risk.
5. Demonstrate and describe the needs of the client and/ or family with acute, chronic, terminal, emotional and or psychological disorders.
6. Demonstrate efficient, effective and safe use of equipment and devices.
7. Identify safety issues in the home.
8. Demonstrate infection control while in the home.

9. Identify methods for proper preparation and storage of food in the home.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $812*
Access Fee: $76 ($7.90 per credit)
Assessment Fee: $30
Lab Fees (including liability insurance): $25
Textbook/Workbook Combo and Syllabus: $70
Uniform: $35
Laboratory Supplies: $60
FDLE/FBI Background Screening: $90
NACEP Exam: $160

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- Score on the placement test for vocational programs which indicate language and reading at the 10th grade level and math ability at the 9th grade level.

The following items must be received prior to the first day of clinical:

- Completion of health screening to include: verification of immunization against tetanus, measles, mumps, rubella and Hepatitis 'B'; and negative test for tuberculosis.

- Satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- Basic Cardiac Life Support (BLS) certification for healthcare providers to include adults, infant, children, and automatic external defibrillator (AED) affiliated with the American Heart Association or the American Red Cross.

- Program specific courses must be completed with a grade 'C' or better.

Program Specific Courses

Course	Title	VOC HRS	
HCP0600	Patient Care Assistant	3.34	*Conc-Reqs: HCP0600L*
HCP0600L	Patient Care Assistant Lab	6.33	*Conc-Reqs: HCP0600*

... ...	**Dual Enrolled Option (High School Students Only)**	VOC HRS	
HCP0731	Phlebotomy	1.00	

Sample Program of Study

Course	Title		

... ...	**1st Semester**	VOC HRS	
HCP0600	Patient Care Assistant	3.34	*Conc-Reqs: HCP0600L*
HCP0600L	Patient Care Assistant Lab	6.33	*Conc-Reqs: HCP0600*

TOTAL	VOC. HRS.	**9.67**
TOTAL	CONTACT HRS.	**290.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Photographic Technology

Program Mission, Description, and Outcomes

Mission:

The Photography Program is committed to providing a course of study that affirms and nurtures the creative spirit of each individual and provides the aesthetic, technical and intellectual skills necessary as a foundation for a wide variety of professional careers or advanced studies. A major goal of the faculty, as practicing photographers and scholars, is to impart an understanding of the lifelong vitality of artistic development and practice.

Description:

The program provides students with comprehensive aesthetic, technical and theoretical training within a wide range of photographic practices and imaging technologies. Successful completion of the AS Degree in Photographic Technology ensures a seamless transfer to the University of Central Florida Photography BS Degree program. The joint program between University of Central Florida and Daytona State College is offered exclusively at UCF Daytona Beach.

Outcomes:

Graduates of the program will be able to:

1. Develop entry-level skills for the editorial, advertising, fine art and photo technology fields or they may continue their photographic education through the DSC/UCF Photography BS Degree program.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

*Lab Fees: $815 over the entire program
*Equipment: estimated $3000 over entire program (see Photography department chair for start-up equipment needs and rental options)
*Individual Film/Paper and Other Supplies: $750 to $1000 per semester

*Textbooks: $250 per semester

Additional Admission Requirements

All new and transfer students are required to meet with the Department Chair prior to registration. Please call or email for an appointment for an hour-long consultation and tour of the School of Photography.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
RTV2300	Broadcast Research/Newswriting/Presentation Skills **OR**		*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
... ...	**Behavioral & Social Sciences Core (3**		

credits)

Course	Title	SEM HRS	
DEP2004	Developmental Psychology **OR**		*Co-Reqs: ENC1101*
PSY1012	General Psychology **OR**		*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ... **Humanities, Cultural & Aesthetic Core (3 credits)**

Course	Title	SEM HRS	
ARH1000	Art Appreciation **OR**		*Co-Reqs: ENC1101*
ARH2050	Introduction to the History and Criticism of Art I **OR**		*Co-Reqs: ENC1101*
ARH2051	Introduction to the History and Criticism of Art II	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
PGY1101	Photography as an Art Form	3.00	*Co-Reqs: PGY1800*
PGY1115	Color Theory and Processes	7.00	*Pre-Reqs: PGY1101 AND PGY1800*
PGY1201	Introduction to Studio and Location Photography	4.00	*Co-Reqs: PGY2806 Pre-Reqs: PGY1101 AND PGY1800*
PGY1800	Photography and the Digital Image	5.00	*Co-Reqs: PGY1101*
PGY2000	History and Aesthetics Photography	3.00	*Co-Reqs: ENC1101*
PGY2210	Professional Studio Portraiture	4.00	*Co-Reqs: PGY2650 Pre-Reqs: PGY1201 AND PGY2806*
PGY2226	Commercial/Illustration Photography	4.00	*Co-Reqs: PGY2750 OR PGY2216 Pre-Reqs: PGY1115 AND PGY2650 AND PGY2210*
PGY2270	Field Survey of Professional Photography **OR**		
PGY2273	Professional Photographic Business Practices	3.00	
PGY2650	Editorial Photography	4.00	*Co-Reqs: PGY2210 Pre-Reqs: PGY2806 AND PGY1115 AND PGY1201*
PGY2750	Introduction to Video Production	4.00	*Co-Reqs: PGY2226 Pre-Reqs: PGY2650 AND PGY2210*
PGY2806	Fine Arts Digital Photography	4.00	*Co-Reqs: PGY1201 Pre-Reqs: PGY1101 AND PGY1800*
PGY2470	Advanced Photo Workshop **OR**		*Pre-Reqs: PGY2806 AND PGY1201*
PGY2905	Directed Study In Photography **OR**		
PGY2935	Portfolio Workshop	4.00	*Pre-Reqs: PGY2210 AND PGY2650*

Sample Program of Study

Course	Title

... ... **First Year**
... ... **1st Semester**

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
DEP2004	Developmental Psychology **OR**		*Co-Reqs: ENC1101*
PSY1012	General Psychology **OR**		*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*
PGY1101	Photography as an Art Form	3.00	*Co-Reqs: PGY1800*
PGY1800	Photography and the Digital Image	5.00	*Co-Reqs: PGY1101*

... ... **2nd Semester**

Course	Title	SEM HRS	
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
PGY1201	Introduction to Studio and Location Photography	4.00	*Co-Reqs: PGY2806 Pre-Reqs: PGY1101 AND PGY1800*
PGY2000	History and Aesthetics Photography	3.00	*Co-Reqs: ENC1101*
PGY2806	Fine Arts Digital Photography	4.00	*Co-Reqs: PGY1201 Pre-Reqs: PGY1101 AND PGY1800*

Summer Semester

		SEM HRS	
PGY1115	Color Theory and Processes	7.00	*Pre-Reqs: PGY1101 AND PGY1800*
PGY2270	Field Survey of Professional Photography **OR**		
PGY2273	Professional Photographic Business Practices	3.00	

Second Year
1st Semester

		SEM HRS	
ARH1000	Art Appreciation **OR**		*Co-Reqs: ENC1101*
ARH2050	Introduction to the History and Criticism of Art I **OR**		*Co-Reqs: ENC1101*
ARH2051	Introduction to the History and Criticism of Art II	3.00	*Co-Reqs: ENC1101*
RTV2300	Broadcast Research/Newswriting/Presentation Skills **OR**		*Pre-Reqs: ENC1101*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
PGY2210	Professional Studio Portraiture	4.00	*Co-Reqs: PGY2650 Pre-Reqs: PGY1201 AND PGY2806*
PGY2650	Editorial Photography	4.00	*Co-Reqs: PGY2210 Pre-Reqs: PGY2806 AND PGY1115 AND PGY1201*

2nd Semester

		SEM HRS	
PGY2226	Commercial/Illustration Photography	4.00	*Co-Reqs: PGY2750 OR PGY2216 Pre-Reqs: PGY1115 AND PGY2650 AND PGY2210*
PGY2750	Introduction to Video Production	4.00	*Co-Reqs: PGY2226 Pre-Reqs: PGY2650 AND PGY2210*
PGY2470	Advanced Photo Workshop **OR**		*Pre-Reqs: PGY2806 AND PGY1201*
PGY2905	Directed Study In Photography **OR**		
PGY2935	Portfolio Workshop	4.00	*Pre-Reqs: PGY2210 AND PGY2650*

TOTAL   ...   **64.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

For assistance with career planning, contact your DSC Career Advisor through CareerServices@DaytonaState.edu or log www.myinterface.com/student and create your personal career development account.

Physical Therapist Assistant (Limited Access Program)

Program Information

A.S. Degree - Code 2116/2216 - Catalog 2012/2013
Robert Wagner, Assistant Chair, 386-506-3752, wagnerro@daytonastate.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The Physical Therapist Assistant Program promotes the ideals of the Daytona State College Mission Statement of emphasizing student success, embracing excellence and diversity, as well as fostering innovation to enhance teaching and learning. Each student in the PTA Program will receive academic and clinical experiences to provide them with a professional foundation to become an effective, responsible, licensed and contributing team member in Physical Therapy.

Description:
The program prepares graduates to work in physical therapy. Physical Therapy is a health and rehabilitation profession that provides services to individuals of all ages with physical dysfunction including those suffering from strokes, heart disease, arthritis, diabetes, serious burns, neurological and orthopedic disorders. The profession tailors the rehabilitation process individually for each patient and through evaluation and treatment, seeks to restore or improve impaired functions. Physical therapy strives to help patients attain a maximum level of independent living by developing the capacities that remain after disease, accident or deformity. Job title: Physical Therapist Assistant. The Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education. Graduates, upon completion of the program, apply for state licensure.

This program is accredited by the Commission on the Accreditation of Physical Therapy Education (CAPTE) - 1111 N. Fairfax Street, Alexandria, VA 22314. (703) 706-3245

Outcomes:
Graduates of the program will be able to:
1. Integrate scientific principles which form the foundation of physical therapy into clinical practice.
2. Differentiate the normal vs. abnormal states of physiology that are observed and/or treated in the clinical setting.
3. Describe his/her role and responsibilities to the patient, the physician, the physical therapist and other members of the health care team.
4. Perform interventions, under the supervision of the physical therapist, consistent with evidenced-based physical therapy practice safely, effectively and efficiently.
5. Analyze and evaluate the physical therapy literature in pursuit of life long learning.
6. Value active participation in the American Physical Therapy Association, the Florida Chapter and East Central District as means of professional development.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Lab Fees (including liability insurance): $297
Textbooks: $1,000
Uniforms: $100
Laboratory Supplies: $100
Licensure Fees: $755

FDLE/FBI Background Screening: $90

Additional Admission Requirements

- This is a limited access program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- Completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: BSC1085/1085L (Human Anatomy & Physiology I and Lab), ENC 1101 (College Composition), PHT 1006 (Introduction to Physical Therapy), and MAC 1105 (College Algebra) or MGF 2106 (College Mathematics) or MGF 2107 (Mathematics for Liberal Arts).

- Cumulative grade point average of 2.5 or better to apply for continuing enrollment. Applicants with cumulative GPA's of 3.5 or better and successful completion of all prerequisite and corequisite courses will be considered more favorably.

- Complete a minimum of 20 hours of observation with a licensed Physical Therapist or P.T.A. (Physical Therapist Assistant) evenly distributed between at least 2 different types of physical therapy settings - outpatient, inpatient, and long-term care. Some facilities may require a background check.
- Submit the completed application for continuing enrollment to the School of Health Careers and Human Services.

- Program starts annually in January; applications are only submitted during the month of September.

- Student selection for continuing enrollment will be based on a point system. Applicants considered for continuing enrollment will be contacted for an interview. Applicants for continuing enrollment that have a cumulative GPA of 3.0 or better and have succesfully completed all prerequisite and all corequisites by the application deadline will be ranked higher for program consideration.

- Attendance at a program information session. Dates will be announced.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- Basic Cardiac Life Support (BLS) certification for health care providers to include adults, infants, children, and AED affiliated with the American Heart Association or American Red Cross.

- Program corequisites and Physical Therapist Assistant courses must be completed with a 'C' or better.

- Completion of health screening to include: recent physical examination; verification of immunization against tetanus, measles, mumps, rubella, varicella and Hepatitis 'B'; and PPD test for tuberculosis (or chest X-ray if indicated) is required prior to enrolling in program.

- Students will be held accountable for the policies and procedures of the Physical Therapist Assistant (PTA) program as outlined in the PTA student handbook, as well as the College Student handbook.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 20 Credits**		
... ...	**Communications Core (3 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
... ...	**Sciences Core (8 credits)**		
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**		
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval	3.00	*Co-Reqs: ENC1101*

	Humanities		
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

	Behavioral & Social Sciences Core (3 credits)		
... ...		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
PHT1006	Introduction to Physical Therapy	3.00	
PHT1128	Kinesiology of PTA	4.00	*Pre-Reqs: BSC1085C*
PHT1251	Patient Care Skills	2.00	*Conc-Reqs: PHT1251L*
PHT1251L	Patient Care Skills Lab	2.00	*Conc-Reqs: PHT1251*
PHT1300	Pathology for PTA	4.00	*Pre-Reqs: BSC1086L AND BSC1086 AND PHT2129 AND PHT1128*
PHT2129	Neuroscience for PTA	2.00	*Pre-Reqs: PHT1128*
PHT2140	Rehabilitation Skills for PTA	3.00	*Pre-Reqs: PHT1300 Conc-Reqs: PHT2140L*
PHT2140L	Rehabilitation Skills Lab	1.00	*Pre-Reqs: PHT1300 Conc-Reqs: PHT2140*
PHT2211	Modalities I	2.00	*Pre-Reqs: PHT1251 AND PHT1006 Conc-Reqs: PHT2211L*
PHT2211L	Modalities I Lab	1.00	*Pre-Reqs: PHT1251 AND PHT1006 Conc-Reqs: PHT2211*
PHT2214	Modalities II	1.00	*Co-Reqs: PHT2214L Pre-Reqs: PHT2211 AND PHT2211L*
PHT2214L	Modalities II Lab	1.00	*Co-Reqs: PHT2214*
PHT2220	Therapeutic Exercise I	3.00	*Pre-Reqs: PHT1006 AND PHT1251 Conc-Reqs: PHT2220L*
PHT2220L	Therapeutic Exercise I Lab	2.00	*Pre-Reqs: PHT1006 AND PHT1251 Conc-Reqs: PHT2220*
PHT2221	Therapeutic Exercise II	4.00	*Pre-Reqs: PHT2220 AND PHT2220L Conc-Reqs: PHT2221L*
PHT2221L	Therapeutic Exercise II Lab	2.00	*Pre-Reqs: PHT2220L AND PHT2220 Conc-Reqs: PHT2221*
PHT2235	Therapeutic Exercise III	4.00	*Pre-Reqs: PHT2221 Conc-Reqs: PHT2235L*
PHT2235L	Therapeutic Exercise III Lab	2.00	*Pre-Reqs: PHT2221L Conc-Reqs: PHT2235*
PHT2804	PTA Clinical Practicum I	3.00	*Pre-Reqs: PHT2211L*
PHT2810	PTA Clinical Practicum II	2.00	*Pre-Reqs: PHT2804*
PHT2820	PTA Clinical Practicum III	3.00	
PHT2931	PTA Seminar	3.00	

Sample Program of Study

Course	Title		

	Prerequisite Courses		
... ...		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra **OR**		*Pre-Reqs: MAT1033*
MGF2106	College Mathematics **OR**		*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
MGF2107	Mathematics for Liberal Arts	3.00	*Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033*
PHT1006	Introduction to Physical Therapy	3.00	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*

		SEM HRS	
... ...	**First Year - 1st Semester (Pro. Phase) Spring**		
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
PHT1128	Kinesiology of PTA	4.00	*Pre-Reqs: BSC1085C*
PHT12512	Patient Care Skills	2.00	*Conc-Reqs: PHT1251L*
PHT1251L	Patient Care Skills Lab	2.00	*Conc-Reqs: PHT1251*
PHT2220	Therapeutic Exercise I	3.00	*Pre-Reqs: PHT1006 AND PHT1251 Conc-Reqs: PHT2220L*
PHT2220L	Therapeutic Exercise I Lab	2.00	*Pre-Reqs: PHT1006 AND PHT1251 Conc-Reqs: PHT2220*

		SEM HRS	
... ...	**2nd Semester - Summer**		
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
PHT2211	Modalities I	2.00	*Pre-Reqs: PHT1251 AND PHT1006 Conc-Reqs: PHT2211L*
PHT2211L	Modalities I Lab	1.00	*Pre-Reqs: PHT1251 AND PHT1006 Conc-Reqs: PHT2211*
PHT2221	Therapeutic Exercise II	4.00	*Pre-Reqs: PHT2220 AND PHT2220L Conc-Reqs: PHT2221L*
PHT2221L	Therapeutic Exercise II Lab	2.00	*Pre-Reqs: PHT2220L AND PHT2220 Conc-Reqs: PHT2221*
PHT2129	Neuroscience for PTA	2.00	*Pre-Reqs: PHT1128*

		SEM HRS	
... ...	**Second Year - 1st Semester - Fall**		
PHT2804	PTA Clinical Practicum I	3.00	*Pre-Reqs: PHT2211L*
PHT1300	Pathology for PTA	4.00	*Pre-Reqs: BSC1086L AND BSC1086 AND PHT2129 AND PHT1128*
PHT2214	Modalities II	1.00	*Co-Reqs: PHT2214L Pre-Reqs: PHT2211 AND PHT2211L*
PHT2214L	Modalities II Lab	1.00	*Co-Reqs: PHT2214*
PHT2235	Therapeutic Exercise III	4.00	*Pre-Reqs: PHT2221 Conc-Reqs: PHT2235L*
PHT2235L	Therapeutic Exercise III Lab	2.00	*Pre-Reqs: PHT2221L Conc-Reqs: PHT2235*

		SEM HRS	
... ...	**2nd Semester - Spring**		
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
PHT2140	Rehabilitation Skills for PTA	3.00	*Pre-Reqs: PHT1300 Conc-Reqs: PHT2140L*
PHT2140L	Rehabilitation Skills Lab	1.00	*Pre-Reqs: PHT1300 Conc-Reqs: PHT2140*
PHT2810	PTA Clinical Practicum II	2.00	*Pre-Reqs: PHT2804*
PHT2820	PTA Clinical Practicum III	3.00	
PHT2931	PTA Seminar	3.00	
TOTAL	...	**74.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. PHT1006 fulfills the graduation requirement for the basic use of computers for this program.

2. PHT1251 fulfills the graduation requirement for Oral Communications for this program.

Practical Nursing (Limited Access Program)

Program Mission, Description, and Outcomes

Mission:
The mission of the practical nursing program is to provide an innovative learning environment that prepares students to be professional, ethical, and competent caregivers in an increasingly diverse society. The realization of this mission will be student attainment of learning and end of program outcomes.

Description:
The practical nursing program prepares students to pursue a career in nursing by providing high quality instruction in classroom and clinical learning environments. Healthcare employment opportunities are available in long term care, home health, hospital and outpatient settings. Clinical experiences are provided at local extended care facilities, hospitals and other community agencies. Job title: Licensed Practical Nurse.

Graduates are eligible to take the National Council Licensing Examination for Practical Nurses. Florida licensed practical nurses are eligible for admission to Daytona State's Transition into Professional Nursing Accelerated Associate Degree Program. Classes admitted in January and August at the Daytona Beach Campus and in January at the DeLand Campus.

Outcomes:
Graduates of the program will be able to:
1. Provide caring and competent practice in diverse health care settings.
2. Communicate effectively with client, family, significant other, and members of the health care team.
3. Utilize the nursing process to provide safe and effective care to clients across the life span under the supervision of a registered nurse or physician.
4. Participate in lifelong learning and professional development.
5. Promote the physical, spiritual, and psychosocial well being of clients.

6. Provide care within the ethical, legal, and regulatory framework of the Nurse Practice Act.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs
Program Tuition and Fees: $4,154*
Access Fee: $379 ($7.90 per credit)
Assessment Fee $30
Lab Fees (including liability insurance and testing): $498
Textbooks: $550
Uniforms: $150
Laboratory Supplies: $105
NCLEX Exam: $405
FDLE/FBI Background Screening: $90

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- This is a limited access program. How to Apply to the PN Program

- Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- High school diploma or equivalent (GED).

- Scores on the Daytona State placement test for vocational programs which indicate language, reading and arithmetic ability at the 11th grade level or better.

- Cumulative grade point average of 2.0 or better to apply for continuing enrollment.

- Completion of the following courses is required prior to submitting an application for continued enrollment: HSC 1000 (Introduction to Health Care) and *BSC 1080 (Basic Anatomy and Physiology for Health Careers).

PLEASE NOTE: *BSC 1085/1085L (Human Anatomy and Physiology I and Lab) and BSC 1086/1086L (Human Anatomy and Physiology II and Lab) may be substituted for BSC 1080 (Basic Anatomy & Physiology). Courses must be completed with a grade of 'C' or better.

- Completion of the Test of Essential Academic Skills (TEAS IV) with minimum scores of 65 percentile composite and 60 percentile mathematics and reading or TEAS V with minimum scores of 59 percentile composite, 63 percentile mathematics and 69 percentile reading is required for continuing enrollment approval. Applications submitted after January 1, 2012 must include TEAS scores; NET scores will not be accepted after January 1, 2012.

- Applications for continuing enrollment can be submitted in May and September. Students will be approved for continuing enrollment based on specific admission criteria. Students must apply each application cycle until accepted based on the selection process.

- Completion of health screening to include: recent physical examination; verification of immunization against tetanus, measles, mumps, rubella, varicella and Hepatitis "B"; and negative test for tuberculosis is required prior to enrolling in program specific courses.

- Basic Cardiac Life Support (BLS) certification for healthcare providers to include adults, infant, children, and automatic external defibrillator (AED) affiliated with the American Heart Association or the American Red Cross.

- Admissions to the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- According to Florida Board of Nursing, convicted felons who have had their civil rights removed are not eligible to take the National Council Licensure Examination for Practical Nurses.

- Students will be held accountable for the policy and procedures of the nursing program as outlined in the nursing student policy handbook, as well as the college student handbook.

- Readmission and transfer nursing courses must have been taken within one year and evaluated by the nursing readmission and transfer committee. Transfers students are accepted on a limited basis depending on space availability.

Careers

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is three (3) semesters for a full-time student, with 69% graduating within 3 semesters for 2011-2012. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 91%.

For additional career information, please see:

http://www.onetonline.org/link/summary/29-2061.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
PRN0004	Introduction to Nursing	5.00	
PRN0004L	Introduction to Nursing Lab	10.25	
PRN0120	Maternal/Child Health Nursing	1.80	*Co-Reqs: PRN0042 AND PRN0042L Pre-Reqs: PRN0000 AND PRN0000L Conc-Reqs: PRN0120L*
PRN0120L	Maternal/Child Health Nursing Lab	4.00	*Co-Reqs: PRN0042 AND PRN0042L Conc-Reqs: PRN0120*
PRN0207	Medical-Surgical Nursing I	4.80	
PRN0207L	Medical-Surgical Nursing I Lab	10.38	
PRN0042	Neuromuscular Sensory Nursing	1.80	*Co-Reqs: PRN0120 AND PRN0120L Pre-Reqs: PRN0000 AND PRN0000L Conc-Reqs: PRN0042L*
PRN0042L	Neuromuscular Sensory Nursing Lab	4.00	*Conc-Reqs: PRN0042*

Sample Program of Study

Course	Title

... ...	**Prerequisite Course**	SEM HRS

HSC1000	Introduction to Health Care	3.00	
BSC1080	Basic Anatomy and Physiology for Health Careers	3.00	

		VOC HRS	
... ...	**August Class - Fall**		
PRN0004	Introduction to Nursing	5.00	
PRN0004L	Introduction to Nursing Lab	10.25	

		VOC HRS	
... ...	**Spring**		
PRN0207	Medical-Surgical Nursing I	4.80	
PRN0207L	Medical-Surgical Nursing I Lab	10.38	

		VOC HRS	
... ...	**Summer Term A - 6 weeks**		
PRN0042	Neuromuscular Sensory Nursing	1.80	*Co-Reqs: PRN0120 AND PRN0120L Pre-Reqs: PRN0000 AND PRN0000L Conc-Reqs: PRN0042L*
PRN0042L	Neuromuscular Sensory Nursing Lab	4.00	*Conc-Reqs: PRN0042*

		VOC HRS	
... ...	**Summer Term B - 6 weeks**		
PRN0120	Maternal/Child Health Nursing	1.80	*Co-Reqs: PRN0042 AND PRN0042L Pre-Reqs: PRN0000 AND PRN0000L Conc-Reqs: PRN0120L*
PRN0120L	Maternal/Child Health Nursing Lab	4.00	*Co-Reqs: PRN0042 AND PRN0042L Conc-Reqs: PRN0120*

		VOC HRS	
... ...	**January Class - Spring**		
PRN0004	Introduction to Nursing	5.00	
PRN0004L	Introduction to Nursing Lab	10.25	

		VOC HRS	
... ...	**Summer Term A - 6 weeks**		
PRN0042	Neuromuscular Sensory Nursing	1.80	*Co-Reqs: PRN0120 AND PRN0120L Pre-Reqs: PRN0000 AND PRN0000L Conc-Reqs: PRN0042L*
PRN0042L	Neuromuscular Sensory Nursing Lab	4.00	*Conc-Reqs: PRN0042*

		VOC HRS	
... ...	**Summer Term B - 6 weeks**		
PRN0120	Maternal/Child Health Nursing	1.80	*Co-Reqs: PRN0042 AND PRN0042L Pre-Reqs: PRN0000 AND PRN0000L Conc-Reqs: PRN0120L*
PRN0120L	Maternal/Child Health Nursing Lab	4.00	*Co-Reqs: PRN0042 AND PRN0042L Conc-Reqs: PRN0120*

		VOC HRS	
... ...	**Fall**		
PRN0207	Medical-Surgical Nursing I	4.80	
PRN0207L	Medical-Surgical Nursing I Lab	10.38	

TOTAL	SEM. HRS	**6.00**	
TOTAL	VOC. HRS.	**42.03**	
TOTAL	CONTACT HRS.	**1350.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Radiography (Limited Access Program)

Program Mission, Description, and Outcomes

Mission:
To provide a multi-skilled, comprehensive education for students in the Radiologic sciences. The Program will promote standards to meet stated outcomes for service-oriented professionals that are entry-level into the profession, and promote multi-competency and life long learning.

Description:
The program provides a multi-skilled comprehensive education for students in the radiologic sciences. The program promotes standards to meet and exceed outcomes of service-oriented professionals that are entry-level into the profession while promoting multi-competent continuing education.

This program is sponsored by Halifax Health Medical Center and accredited by the Joint Review Committee on Education in Radiologic Technology. JRCERT may be contacted at 20 North Wacker Drive, Suite 2850, Chicago, Illinois 60606-3182. Phone 312-704-5300. www.jrcert.org

Outcomes:
Graduates of the program will be able to:
1. Perform as entry-level radiographers in providing quality patient care.
2. Adapt procedures using critical thinking and problem solving skills to produce optimal images.
3. Demonstrate professional values and attributes to maintain a high standard of ethical conduct with patients, peers, employers and other members of the health care team.
4. Outline plan to continue their professional growth and development.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Students will be responsible for applicable Halifax Health Medical Center fees.

Additional Admission Requirements

- This is a limited access program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- Completion of the following courses with a grade of 'C' or better is required before submitting an application for continuing enrollment: BSC1085/1085L (Human Anatomy and Physiology I and Lab), ENC 1101 (College Composition), MAC 1105 (College Algebra) or MGF 2106 (College Math), PSY 1012 (General Psychology) and all Program Specific courses must be completed with a grade of 'C' or better.

- A minimum of 2.0 GPA is required to apply for continuing enrollment. Applicants with cumulative GPA's of 3.5 or better and successful completion of all prerequisite and corequisite courses will be considered more favorably.

- Prior to being approved for continuing enrollment in Radiography, the student must successfully complete the application process. Applications for continuing enrollment and specific application information may be obtained at the program office at Halifax Health Medical Center. To receive a complete applicant packet, please contact 386-254-4075 and select option 2 or email your physical mailing address to Darcie.Nethery@halifax.org. or http:///www.halifaxhealth.org/formedicalprofessionals/radiography_program.aspx

- Prospective students must be of good physical and mental health.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) (Level 2) and Federal Bureau of Investigation (FBI).

- A pre-admission consultation with the assistant chair is strongly recommended after applicant packet is received.

- Students will be held accountable for the policies and procedures of the Radiography program as outlined in the Radiography student handbook, as well as the College Student handbook.

Careers

Radiologic Technologist

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

Course	Title		
... ...	**General Education Core - 16 Credits**		
... ...	**Communications Core (3 credits)**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
... ...	**Mathematics Core (3 credits)**		
		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
... ...	**Sciences Core (4 credits)**		
		SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**		
		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*
... ...	**Behavioral & Social Sciences Core (3 credits)**		
		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
CGS2100	Microcomputer Applications	3.00	
RTE1000	Fundamentals of Radiologic Technology	1.00	
RTE1001	Medical Terminology for Radiographers	1.00	
RTE1418	Radiographic Exposures and Processing	2.00	
RTE1457	Radiographic Exposures II	2.00	*Pre-Reqs: RTE1418*
RTE1503	Radiographic Procedures I	2.00	
RTE1503L	Radiographic Procedures Lab I	1.00	*Co-Reqs: RTE1503*
RTE1513	Radiographic Procedures II	2.00	*Pre-Reqs: RTE1503L AND RTE1503*
RTE1513L	Radiographic Procedures Lab II	1.00	*Co-Reqs: RTE1513*
RTE1523	Radiographic Procedures III	2.00	*Pre-Reqs: RTE1513L AND RTE1513*
RTE1804	Radiographic Clinical Education I	3.00	
RTE1814	Radiographic Clinical Education II	3.00	*Pre-Reqs: RTE1804*
RTE1824	Radiographic Clinical Education III	5.00	*Pre-Reqs: RTE1814*
RTE2385	Radiation Biology and Protection	2.00	
RTE2473	Quality Management in Radiography	1.00	
RTE2563	Selected Radiographic Special Procedures I	3.00	
RTE2573	Selected Radiographic Special Procedures II	3.00	*Pre-Reqs: RTE2563*
RTE2613	Radiation Physics I	3.00	
RTE2623	Radiation Physics II	3.00	*Pre-Reqs: RTE2613*
RTE2782*1*	Radiographic Pathology	1.00	
RTE2834	Radiographic Clinical Education IV	5.00	*Pre-Reqs: RTE1824*
RTE2844	Radiographic Clinical Education V	6.00	*Pre-Reqs: RTE2834*
RTE2854	Radiographic Clinical Education VI	5.00	*Pre-Reqs: RTE2844*
RTE2930	Radiographic Image Critique	1.00	

Sample Program of Study

Course	Title

... ... Prerequisite Courses

Course	Title	SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*

... ... First Year - Spring Semester

Course	Title	SEM HRS	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
RTE1000	Fundamentals of Radiologic Technology	1.00	
RTE1001	Medical Terminology for Radiographers	1.00	
RTE1418	Radiographic Exposures and Processing	2.00	
RTE1804	Radiographic Clinical Education I	3.00	
RTE1503	Radiographic Procedures I	2.00	
RTE1503L	Radiographic Procedures Lab I	1.00	*Co-Reqs: RTE1503*

... ... Summer Semester

Course	Title	SEM HRS	
RTE1457	Radiographic Exposures II	2.00	*Pre-Reqs: RTE1418*

RTE1503	Radiographic Procedures I	2.00	
RTE1503L	Radiographic Procedures Lab I	1.00	*Co-Reqs: RTE1503*
RTE1814	Radiographic Clinical Education II	3.00	*Pre-Reqs: RTE1804*

... ...	**Fall Semester**	**SEM HRS**	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
CGS2100	Microcomputer Applications	3.00	
RTE1523	Radiographic Procedures III	2.00	*Pre-Reqs: RTE1513L AND RTE1513*
RTE1824	Radiographic Clinical Education III	5.00	*Pre-Reqs: RTE1814*

... ...	**Second Year - Spring Semester**	**SEM HRS**	
RTE2563	Selected Radiographic Special Procedures I	3.00	
RTE2613	Radiation Physics I	3.00	
RTE2834	Radiographic Clinical Education IV	5.00	*Pre-Reqs: RTE1824*
RTE2930	Radiographic Image Critique	1.00	

... ...	**Fall Semester**	**SEM HRS**	
RTE2573	Selected Radiographic Special Procedures II	3.00	*Pre-Reqs: RTE2563*
RTE2623	Radiation Physics II	3.00	*Pre-Reqs: RTE2613*
RTE2844	Radiographic Clinical Education V	6.00	*Pre-Reqs: RTE2834*

... ...	**Spring Semester**	**SEM HRS**	
RTE2385	Radiation Biology and Protection	2.00	
RTE2473	Quality Management in Radiography	1.00	
RTE2782*1*	Radiographic Pathology	1.00	
RTE2854	Radiographic Clinical Education VI	5.00	*Pre-Reqs: RTE2844*

TOTAL	...	**77.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. RTE 2782 meets the graduation requirement for Oral Communications for this program.

Respiratory Care (Limited Access Program)

Program Information

A.S. Degree - Code 2117/2217 - Catalog 2012/2013
Melanie McDonough, Assistant Chair, mcdonom@daytonastate.edu
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

08/30/2012 M - 1307

Program Mission, Description, and Outcomes

Mission:
The mission of the Respiratory Care program is to provide a learning-centered, widely diverse, high quality education to empower individuals to meet the needs of the community.

Description:
This program provides training in the use of special equipment, medications and other diagnostic and therapeutic modalities to assist in the diagnosis and treatment of patients who need temporary, emergency or long-term cardiopulmonary assistance. Students learn to administer medical gases, humidity and aerosol therapy, use positive pressure breathing machines, perform pulmonary drainage and clearance procedures, manage patient airways, perform pulmonary rehabilitation and home care, manage short and long term continuous mechanical ventilation and perform a variety of other special procedures.

Graduates are eligible to take the entry-level Certified Respiratory Therapist (CRT) and advanced practitioner Registered Respiratory Therapist (RRT) examinations, of the National Board for Respiratory Care (NBRC) and are eligible for licensure in the state of Florida.

The Respiratory Care Program is accredited by the Committee on the Accreditation of Respiratory Care [CoARC], 1248 Harwood Road, Bedford, Texas 76021-4244 [817] 283-2835. Outcomes data from the Annual Report of Current Status can be found at www.coarc.com/47.html.

Outcomes:
Graduates of the program will be able to:
1. Perform entry-level skills competently as described by the scope of practice for Respiratory Care.
2. Employ effective communication skills within the healthcare setting.
3. Assemble a safe environment within the healthcare setting.
4. Apply professional behaviors within a healthcare setting.
5. Execute safe clinical decision making in respiratory care.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Lab Fees: $526
Uniforms: $150
Stethoscope/Scissors: $50
Textbooks: $1,000

FDLE/FBI Background Screening: $90

Additional Admission Requirements

-This is a limited access program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- Applicants must achieve minimum scores on the PERT Test (Postsecondary Education Readiness Test).

- Completion of the following coures with a grade of 'C' or better is required before submitting a request for continuing enrollment: BSC 1085/1085L (Human Anatomy and Physiology I and Lab), MAC 1105 (College Algebra) and ENC 1101 (College Composition).

- Basic Cardiac Life Support for Health Care Provider and AED through American Heart Association or American Red Cross.

- Submit completed application for continuing enrollment to the School of Health Careers and Human Services.

- Applications for continuing enrollment are accepted anytime during the year.

- Selection is made once per year based on the applicants cumulative GPA and successful completion of prerequisite and co-requisite courses. Applicants considered for continuing enrollment will be contacted for an interview. Attendance at a program information session is mandatory. Pre-registration is not required. A brief statement explaining your interest in Respiratory Care is required along with application paperwork.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting

of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- Program specific courses and general education courses must be completed with a grade 'C' or better.

- Physical exam and BCLS CPR Card are due on the first day of class.

- Applicants will need a 2.5 Cumulative GPA to apply for continuing enrollment. Applicants with cumulative GPA's of 3.5 or better and successful completion of all prerequisite and corequisite courses will be considered more favorably.

- Students will be held accountable for the policies and procedures of the Respiratory Care program as outlined in the Respiratory Care student handbook, as well as the College Student handbook.

General Education Courses

Course	Title		
... ...	**General Education Core - 20 Credits**		
... ...	**Communications Core (3 credits)**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
... ...	**Mathematics Core (3 credits)**		
		SEM HRS	
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
... ...	**Sciences Core (8 credits)**		
		SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
... ...	**Humanities, Cultural & Aesthetic Core (3 credits)**		
... ...	**Choose One Course**		
		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
DAN1100	Dance Appreciation	3.00	*Co-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2040	Dramatic Literature	3.00	*Pre-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2380	Literature By Women	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUH2110	Introduction to Music History and Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: MUT1121L AND MUT1121*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*

| MUL2380 | Popular Music in America | 3.00 | *Co-Reqs: ENC1101* |
| THE1000 | Dramatic Appreciation | 3.00 | *Co-Reqs: ENC1101* |

... ...	**Behavioral & Social Sciences Core (3 credits)**		
		SEM HRS	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*

... ...	**Additional Required Courses - 4 Credits**		
		SEM HRS	
CHM1025	Introductory to Chemistry		*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
CHM1025L	Introduction to Chemistry Lab		*Conc-Reqs: CHM1025*
	OR		
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title		
		SEM HRS	
RET1024	Introduction to Respiratory Care	1.00	*Conc-Reqs: RET1024L*
RET1024L	Introduction to Respiratory Care Lab	1.00	*Conc-Reqs: RET1024*
RET1026	Fundamentals of Respiratory Care I	3.00	*Co-Reqs: RET1024 AND RET1024L Conc-Reqs: RET1026L*
RET1026L	Fundamentals of Respiratory Care I Lab	1.00	*Conc-Reqs: RET1026*
RET1264	Fundamentals of Respiratory Care II	3.00	*Pre-Reqs: RET1026C OR RET1026 Conc-Reqs: RET1264L*
RET1264L	Fundamentals of Respiratory Care II Lab	1.00	*Conc-Reqs: RET1264*
RET1265	Mechanical Ventilation	4.00	*Co-Reqs: RET1264 Pre-Reqs: RET1026C OR RET1026*
RET1293	Cardiopulmonary Medicine	3.00	*Pre-Reqs: BSC1085 OR RET1485 AND BSC1085C*
RET1414	Cardiopulmonary Diagnostics	3.00	*Co-Reqs: RET1833 Pre-Reqs: RET1264*
RET1485	Cardiopulmonary Anatomy and Physiology	3.00	
RET1534	Special Topics in Respiratory Care I	3.00	*Pre-Reqs: RET1293*
RET1832	Clinical Respiratory Care I	4.00	*Co-Reqs: RET1264*
RET1833	Clinical Respiratory Care II	2.00	*Pre-Reqs: RET1264 AND RET1832*
RET2280	Critical Medicine in Respiratory Care	3.00	*Pre-Reqs: RET1264 AND RET1264L*
RET2350	Cardiopulmonary Pharmacology	1.00	
RET2483	Patient Assessment and Interaction	1.00	*Conc-Reqs: RET2483L*
RET2483L	Patient Assessment and Interaction Lab	1.00	*Conc-Reqs: RET2483*
RET2714	Neonatal and Pediatric Respiratory Care	3.00	*Pre-Reqs: RET1293 AND RET1485*
RET2876	Clinical Respiratory Care III	4.00	*Pre-Reqs: RET1832 AND RET1833*
RET2877	Clinical Respiratory Care IV	4.00	*Pre-Reqs: RET2876*
RET2934	Respiratory Care Seminar	3.00	

Sample Program of Study

Course	Title		

... ...	**Prerequisite Courses**		
		SEM HRS	
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
BSC1085	Human Anatomy and Physiology I	3.00	*Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023 Conc-Reqs: BSC1085L*
BSC1085L	Human Anatomy and Physiology I Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: BSC1085*
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*

... ...	**First Year - 1st Semester - Fall**		
		SEM HRS	

BSC1086	Human Anatomy and Physiology II	3.00	*Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L*
BSC1086L	Human Anatomy and Physiology Lab	1.00	*Conc-Reqs: BSC1086*
RET1024	Introduction to Respiratory Care	1.00	*Conc-Reqs: RET1024L*
RET1024L	Introduction to Respiratory Care Lab	1.00	*Conc-Reqs: RET1024*
RET1026	Fundamentals of Respiratory Care I	3.00	*Co-Reqs: RET1024 AND RET1024L Conc-Reqs: RET1026L*
RET1026L	Fundamentals of Respiratory Care I Lab	1.00	*Conc-Reqs: RET1026*
RET1485	Cardiopulmonary Anatomy and Physiology	3.00	
RET2350	Cardiopulmonary Pharmacology	1.00	
RET2483	Patient Assessment and Interaction	1.00	*Conc-Reqs: RET2483L*
RET2483L	Patient Assessment and Interaction Lab	1.00	*Conc-Reqs: RET2483*

... ...	**2nd Semester - Spring**	**SEM HRS**	
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
RET1264	Fundamentals of Respiratory Care II	3.00	*Pre-Reqs: RET1026C OR RET1026 Conc-Reqs: RET1264L*
RET1264L	Fundamentals of Respiratory Care II Lab	1.00	*Conc-Reqs: RET1264*
RET1265	Mechanical Ventilation	4.00	*Co-Reqs: RET1264 Pre-Reqs: RET1026C OR RET1026*
RET1293	Cardiopulmonary Medicine	3.00	*Pre-Reqs: BSC1085 OR RET1485 AND BSC1085C*
RET1832	Clinical Respiratory Care I	4.00	*Co-Reqs: RET1264*

... ...	**Summer Semester (6 Weeks)**	**SEM HRS**	
RET1414	Cardiopulmonary Diagnostics	3.00	*Co-Reqs: RET1833 Pre-Reqs: RET1264*
RET1534	Special Topics in Respiratory Care I	3.00	*Pre-Reqs: RET1293*
RET1833	Clinical Respiratory Care II	2.00	*Pre-Reqs: RET1264 AND RET1832*

... ...	**Second Year - 1st Semester - Fall**	**SEM HRS**	
RET2280	Critical Medicine in Respiratory Care	3.00	*Pre-Reqs: RET1264 AND RET1264L*
RET2714	Neonatal and Pediatric Respiratory Care	3.00	*Pre-Reqs: RET1293 AND RET1485*
RET2876	Clinical Respiratory Care III	4.00	*Pre-Reqs: RET1832 AND RET1833*

... ...	**2nd Semester - Spring**	**SEM HRS**	
... ...	**Humanities, Cultural & Aesthetic Core**	3.00	
CHM1025	Introductory to Chemistry		*Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106 Conc-Reqs: CHM1025L*
CHM1025L	Introduction to Chemistry Lab **OR**		*Conc-Reqs: CHM1025*
MCB1010	Microbiology	3.00	*Co-Reqs: ENC1101 Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L*
MCB1010L	Microbiology Lab	1.00	*Co-Reqs: ENC1101 Conc-Reqs: MCB1010*
RET2877	Clinical Respiratory Care IV	4.00	*Pre-Reqs: RET2876*
RET2934	Respiratory Care Seminar	3.00	
TOTAL	...	**76.00**	

Sales - Entrepreneurship

Program Mission, Description, and Outcomes

Mission:
The mission of the Business Administration Department is to offer quality on-campus and online courses in business, management and marketing that lead to a Certificate in Business Management, Business Operations or Sales - Entrepreneurship as well as an AS degree in Business Administration to prepare students for employment opportunities or for transfer into a Bachelor's degree program.

Description:
This college credit certificate program is designed to provide individuals with the skills and knowledge necessary to work in sales positions, assist advertising managers, and develop social media marketing plans.

Outcomes:
Graduates of the program will be able to:
1. Create a comprehensive marketing plan.
2. Identify appropriate social media technology to increase sales.
3. Create a winning sales presentation.
4. Analyze various forms of advertising.

Credits earned in this certificate may be applied toward the A.S. degree in Business Administration.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $1,254*
Access Fee: $95 ($7.90 per credit)
Assessment Fee: $30
Textbook Estimate: $400

*In-state tuition only; out-of-state tuition will be higher.

Students are encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

- Program specific courses require a "C" or better.

Careers

The typical length of this program is 2 semesters.

Some credits earned in this program may be applied toward the Business Operations Certificate - 0913, Business Management Certificate - 0916 or AS degree in Business Administration - 2059.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS
MAR2011	Principles of Global Marketing	3.00
MKA2021	Sales Fundamentals	3.00
MAR2101	Social Media Marketing	3.00

MAR2321	Advertising	3.00
TOTAL	...	**12.00**

Sample Program of Study

Course	Title	
... ...	**1st Semester**	**SEM HRS**
MAR2011	Principles of Global Marketing	3.00
MKA2021	Sales Fundamentals	3.00
... ...	**2nd Semester**	**SEM HRS**
MAR2101	Social Media Marketing	3.00
MAR2321	Advertising	3.00
TOTAL	...	**12.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Simulation and Robotics Technology

Program Mission, Description, and Outcomes

Mission:
The Simulation and Robotics Technology program provides students with basic electronics skills and technical credentials needed for high technology careers in simulator installation, maintenance, service and support. Students also acquire skills required for specific simulator operation, testing, and troubleshooting.

Description:
The Simulation and Robotics Technology program provides students with the technical credentials needed for high technology careers in simulator installation, maintenance, service and support. This program provides a thorough foundation in basic electronics and computer networking. Students also acquire skills required for specific simulator operation, testing, and troubleshooting.

Outcomes:
Graduates of the program will be able to:
1. Apply knowledge of mathematics, basic science, and engineering to solve problems encompassing the fundamental areas of simulation and robotics technology.
2. Apply knowledge of one or more disciplines to the operation and maintenance of simulation and robotics systems.
3. Identify and apply software solutions appropriate to simulation and robotics systems.
4. Conduct experiments to acquire needed data, and to analyze and interpret data to solve engineering technology problems.
5. Use computers and other modern tools and skills to solve technical problems.
6. Function as a member of a multidisciplinary team in the solution of engineering problems.
7. Demonstrate proficiency in communicating ideas and information orally and in writing.
8. Relate the need for, and an ability to learn new concepts as required within the field of simulation and robotics technology.
9. Comprehend ethical responsibility and professional integrity issues related to the practice of simulation and robotics technology.
10. Comprehend contemporary technological and societal issues, and the impact of technology on society in both a local and global context.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Lab fees will be assessed for courses requiring specialized tools/equipment. See catalog descriptions for program specific courses.

Additional Admission Requirements

It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course depending upon college placement test scores.

General Education Courses

Course	Title	SEM HRS	
... ...	**General Education Core - 15 credits**		
... ...	**Communications Core (6 credits)**		
ENC1101	College Composition	3.00	*Pre-Reqs: ENC0025 AND REA0017*
SPC2608	Oral Communications/Research/Presentation Skills	3.00	*Pre-Reqs: ENC1101*
... ...	**Mathematics Core (3 credits)**		
MAC1105	College Algebra	3.00	*Pre-Reqs: MAT1033*
... ...	**Behavioral & Social Sciences Core (3 credits)**		

... ...   **Choose One Course**

		SEM HRS	
DEP2004	Developmental Psychology	3.00	*Co-Reqs: ENC1101*
PSY1012	General Psychology	3.00	*Co-Reqs: ENC1101*
SYG2000	Introduction to Sociology	3.00	*Pre-Reqs: ENC1101*

... ...   **Humanities, Cultural & Aesthetic Core (3 credits)**
... ...   **Choose One Course**

		SEM HRS	
AML2050	Modern American Literature	3.00	*Pre-Reqs: ENC1101*
AML2060	Contemporary American Literature	3.00	*Co-Reqs: ENC1101*
ARH1000	Art Appreciation	3.00	*Co-Reqs: ENC1101*
AML2600	Introduction to African American Literature	3.00	*Pre-Reqs: ENC1101*
ENL2931	Selected Topics in Shakespeare	3.00	*Pre-Reqs: ENC1101*
HUM2210	Prehistory to Medieval Humanities	3.00	*Co-Reqs: ENC1101*
HUM2230	Renaissance to Postmodern Humanities	3.00	*Co-Reqs: ENC1101*
LIT2110	Masterpieces of World Literature I	3.00	*Pre-Reqs: ENC1101*
LIT2120	Masterpieces of World Literature II	3.00	*Pre-Reqs: ENC1101*
LIT2602	Maritime Literature	3.00	*Co-Reqs: ENC1101 Pre-Reqs: ENC1101*
MUL1010	Music Appreciation	3.00	*Co-Reqs: ENC1101*
MUL2380	Popular Music in America	3.00	*Co-Reqs: ENC1101*
THE1000	Dramatic Appreciation	3.00	*Co-Reqs: ENC1101*

Note: It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Program Specific Courses

Course	Title	SEM HRS	
CAP1801	Simulation Fundamentals	3.00	
COP1000	Principles of Computer Programming	3.00	
CAP2023	Introduction to Game Programming	3.00	*Pre-Reqs: COP1000*
COP2220	Computer Programming "C" **OR**		*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"		*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab **OR**		*Conc-Reqs: COP2001*
COP2800	Computer Programming "Java"	3.00	*Pre-Reqs: COP1000*
ETD2357	Inventor Solid Modeling	2.00	*Conc-Reqs: ETD2357L*
ETD2357L	Inventor Solid Modeling Lab	1.00	*Conc-Reqs: ETD2357*
CAP2949	Cooperative Education Experience in Simulation and Robotics	1.00	
CET1112	Digital Fundamentals	3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab	1.00	*Conc-Reqs: CET1112*
CET1600	Network Plus	4.00	
CET2154	A+:Computer Operating Systems	4.00	
CGS2100	Microcomputer Applications	3.00	
EET1011	Introduction to Electrical Circuits	2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab	1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*
EET1021	Advanced Electrical Circuits	2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab	1.00	*Conc-Reqs: EET1021*
EET1141	Analog Devices and Circuits	3.00	*Co-Reqs: EET1021 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1141L*
EET1141L	Analog Devices and Circuits Lab	1.00	*Conc-Reqs: EET1141*
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*
EGS1000	Professional Performance for Technicians	3.00	
ETM2315	Simulation Power and Control	2.00	*Pre-Reqs: EET1021 AND COP1000 Conc-Reqs: ETM2315L*
ETM2315L	Simulation Power and Control Lab	1.00	*Conc-Reqs: ETM2315*
ETD2377L	3D Computer Animation (3D Studio) Lab	1.00	*Conc-Reqs: ETD2377*
ETD2377	3D Computer Animation (3D Studio)	2.00	*Conc-Reqs: ETD2377L*

Sample Program of Study

Course	Title

... ...   **First Year**
... ...   **1st Semester**

			SEM HRS	
CET2154	A+:Computer Operating Systems		4.00	
MAC1105	College Algebra		3.00	*Pre-Reqs: MAT1033*
COP1000	Principles of Computer Programming		3.00	
ETD2357	Inventor Solid Modeling		2.00	*Conc-Reqs: ETD2357L*
ETD2357L	Inventor Solid Modeling Lab		1.00	*Conc-Reqs: ETD2357*
EET1011	Introduction to Electrical Circuits		2.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011L*
EET1011L	Introduction to Electrical Circuits Lab		1.00	*Co-Reqs: MAT1033 Conc-Reqs: EET1011*

	2nd Semester		SEM HRS	
CAP1801	Simulation Fundamentals		3.00	
ENC1101	College Composition		3.00	*Pre-Reqs: ENC0025 AND REA0017*
EET1021	Advanced Electrical Circuits		2.00	*Co-Reqs: MAC1105 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1021L*
EET1021L	Advanced Electrical Circuits Lab		1.00	*Conc-Reqs: EET1021*
EET1607	Electronics Assembly and Cabling		2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab		1.00	*Conc-Reqs: EET1607*
CET1600	Network Plus		4.00	

	Summer A		SEM HRS	
CGS2100	Microcomputer Applications		3.00	

	Summer B		SEM HRS	
	Behavioral & Social Sciences Core		3.00	

	Second Year		SEM HRS	

	1st Semester			
ETM2315	Simulation Power and Control		2.00	*Pre-Reqs: EET1021 AND COP1000 Conc-Reqs: ETM2315L*
ETM2315L	Simulation Power and Control Lab		1.00	*Conc-Reqs: ETM2315*
CAP2023	Introduction to Game Programming		3.00	*Pre-Reqs: COP1000*
COP2220	Computer Programming "C" **OR**			*Pre-Reqs: COP1000 OR MAC1105*
COP2001	Computer Programming "C++"			*Pre-Reqs: COP1000 Conc-Reqs: COP2001L*
COP2001L	Computer Programming "C++" Lab **OR**			*Conc-Reqs: COP2001*
COP2800	Computer Programming "Java"		3.00	*Pre-Reqs: COP1000*
CET1112	Digital Fundamentals		3.00	*Conc-Reqs: CET1112L*
CET1112L	Digital Fundamentals Lab		1.00	*Conc-Reqs: CET1112*
ETD2377	3D Computer Animation (3D Studio)		2.00	*Conc-Reqs: ETD2377L*
ETD2377L	3D Computer Animation (3D Studio) Lab		1.00	*Conc-Reqs: ETD2377*

	2nd Semester		SEM HRS	
	Humanities, Cultural & Aesthetic Core		3.00	
SPC2608	Oral Communications/Research/Presentation Skills		3.00	*Pre-Reqs: ENC1101*
EET1141	Analog Devices and Circuits		3.00	*Co-Reqs: EET1021 Pre-Reqs: EET1011 AND EET1011L Conc-Reqs: EET1141L*
EET1141L	Analog Devices and Circuits Lab		1.00	*Conc-Reqs: EET1141*
EGS1000	Professional Performance for Technicians		3.00	
CAP2949	Cooperative Education Experience in Simulation and Robotics		1.00	
TOTAL	...		**68.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Surgical Technology (Limited Access Program)

Program Information

Vocational Certificate - Code 1192/1092 - Catalog 2012/2013
Dana Bancer, Assistant Chair, 386-506-3747,
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

08/10/2012 M - 1265

Program Mission, Description, and Outcomes

Mission:
The mission of the Surgical Technology program is to provide the student with an innovative learning experience preparing the student to be a professional and competent member of the surgical team. The realization of this mission will be the student's successful completion of the program and passing of the national certification examination.

Description:
The program offers the student an opportunity to develop the technical ability, knowledge and skills required for entry-level employment in any surgical setting, hospital operating room or free standing healthcare facility, as a member of the surgical team. The educational process is accomplished by classroom lecture, intense training in a mock operating room lab setting, and transition to operating rooms in local healthcare facilities.

Graduates are required to take the National Board of Surgical Technologist and Surgical Assistants (NBSTSA) Certification exam upon successful completion and graduation of the program. Once the graduate has taken the exam, they are eligible to receive their Certificate of Completion for the program from the College.

Classes admitted in August at the Daytona Beach Campus.

The Surgical Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Accreditation Review Committee for Education in Surgical Technology and Surgical Assistants (ARC-ST/SA).

Information may be obtained from CAAHEP, 1361 Park Street, Clearwater, FL 33756; (727) 210-2350 and ARC-ST, 6 W. Dry Creek Circle, Suite 210, Littleton, CO 80120; (303) 694-9262.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge of all aspects of surgical technology.
2. Demonstrate the ability to function in the first scrub solo role (as defined by the Core Curriculum) for core and specialty surgical procedures.
3. Qualify to obtain an entry-level job at a sponsoring institution.
4. Model professional behavior by applying the ethical and legal principles of surgical technology practice in the culturally diverse

environment of the operating room.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

All of the following are required for this program:

Program Tuition and Fees: $4,157*
Access Fee: $378 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $150
Uniforms/Lab Coats: $175
Textbooks: $850
National Certification Exam: $190

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work program available please see the Office of Financial Aid webpage at http://daytonastate.edu. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- This is a limited access program. Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.

- Effective Fall 2012, completion of Prerequisites (courses must be completed with a grade of 'C' or better before submitting a request for continuing enrollment): *BSC 1080 (Basic Anatomy & Physiology for Health Careers) and HSC 1531 (Medical Terminology).

PLEASE NOTE: *BSC 1085/1085L (Human Anatomy and Physiology I and Lab) and BSC 1086/1086L (Human Anatomy and Physiology II and Lab) may be substituted for BSC 1080 (Basic Anatomy & Physiology).

- Submit the completed application for continuing enrollment to the School of Health Careers and Human Services.

- Selection for continuing enrollment is made once per year based on cumulative GPA of at least 2.0 or better, completion of pre-requisite courses with a grade of C or better, and pre-admission consultation. Applicants with higher cumulative GPA's and successful completion of all prerequisite and corequisite courses will be considered more favorably.

- Scores on the Vocational Placement Test (TABE) must be at the following level: Reading and Language 11th Grade and Arithmetic 10th Grade.

- Basic Cardiac Life Support for Health Care Provider and AED through American Heart Association or American Red Cross.

- Health Insurance mandatory.

- A physical examination is required prior to the first day of class.

- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI).

- A pre-admission consultation is required prior to continuing enrollment approval. Dates to be announced.

- Program specific courses and general education courses must be completed with a grade 'C' or better.

- Students will be held accountable for the policies and procedures of the Surgical Technology program as outlined in the Surgical Technology student handbook, as well as the College Student handbook.

Careers
The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetoline.org.

The typical length of this program is three (3) semesters for a full-time student, with 100% graduating within 3 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 75%.

For additional career information, please see:

http://www.onetonline.org/link/summary/29-2055.00

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
STS0003	Introduction to Surgical Technology	2.03	
STS0008	Pharmacology for Surgical Technology	1.50	*Co-Reqs: STS0120 Pre-Reqs: STS0003*
STS0120	Surgical Specialities I	2.20	*Pre-Reqs: BSC1080 AND HSC1531 OR INP1390*
STS0121	Surgical Specialities II	2.94	*Pre-Reqs: STS0120*
STS0122	Surgical Specialities III	1.16	*Pre-Reqs: STS0121*
STS0155	Surgical Techniques and Procedures	3.20	*Co-Reqs: STS0003 Conc-Reqs: STS0155L*
STS0155L	Surgical Techniques and Procedures Lab	3.70	*Conc-Reqs: STS0155*
STS0255L	Surgical Procedures Clinical I	6.40	*Co-Reqs: STS0120 AND STS0155 AND STS0003*
STS0256L	Surgical Procedures Clinical II	12.50	*Co-Reqs: STS0121 Pre-Reqs: STS0155 OR STS0255L AND STS0003*
STS0257L	Surgical Procedures Clinical III	5.20	*Co-Reqs: STS0122 Pre-Reqs: STS0256L AND STS0255L*

Sample Program of Study

Course	Title	SEM HRS
... ...	**Prerequisite Courses**	
HSC1531	Medical Terminology	4.00
BSC1080	Basic Anatomy and Physiology for Health Careers	3.00

1st Semester - Fall

		VOC HRS	
STS0003	Introduction to Surgical Technology	2.03	
STS0008	Pharmacology for Surgical Technology	1.50	*Co-Reqs: STS0120 Pre-Reqs: STS0003*
STS0120	Surgical Specialities I	2.20	*Pre-Reqs: BSC1080 AND HSC1531 OR INP1390*
STS0155	Surgical Techniques and Procedures	3.20	*Co-Reqs: STS0003 Conc-Reqs: STS0155L*
STS0155L	Surgical Techniques and Procedures Lab	3.70	*Conc-Reqs: STS0155*
STS0255L	Surgical Procedures Clinical I	6.40	*Co-Reqs: STS0120 AND STS0155 AND STS0003*

2nd Semester - Spring

		VOC HRS	
STS0121	Surgical Specialities II	2.94	*Pre-Reqs: STS0120*
STS0256L	Surgical Procedures Clinical II	12.50	*Co-Reqs: STS0121 Pre-Reqs: STS0155 OR STS0255L AND STS0003*

3rd Semester - Summer

		VOC HRS	
STS0122	Surgical Specialities III	1.16	*Pre-Reqs: STS0121*
STS0257L	Surgical Procedures Clinical III	5.20	*Co-Reqs: STS0122 Pre-Reqs: STS0256L AND STS0255L*

TOTAL	SEM. HRS.	**7.00**
TOTAL	VOC. HRS.	**40.83**
TOTAL	CONTACT HRS.	**1330.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Television Studio Production

Program Information

A.S. Certificate - Code 0979 - Catalog 2012/2013
Anita Bevins, Associate Professor, bevinsa@daytonastate.edu
Program Office, 386-506-4227, BASinfo@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Television Studio Production Certificate is to provide students with a working knowledge of principles necessary for successful entry into the field of television and video production.

Description:
The Television Studio Production Certificate program is a College Credit Certificate consisting of 12-hours of certificate courses in the area of television studio production. Students will have an opportunity to learn video production skills in the college's professional television station, WDSC-TV 15, during a succession of three courses. Each of these courses includes a lab component, bringing the college credit hours to four for each course. The certificate courses will also satisfy 12 of the 18-hour occupational/technical track required by the Bachelor of Applied Science program.

Outcomes:
Upon completion of the certificate, students will be able to:
1. Exhibit team skills.
2. Model safe and efficient work practices.
3. Create appropriate lighting for location and/or set productions.
4. Operate a video camera.
5. Generate a studio and/or location footage.
6. Record, mix, and edit audio resources.
7. Use production control room equipment.

8. Organize and edit video resources.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $1,254*
Access Fee: $95 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $18
Textbook Estimate: $115

*In-state tuition only; out-of-state tuition will be higher.

Careers

The typical length of this program is four (4) semesters.

Twelve hours of this program may be applied toward the lower division Occupational/Technical requirements within the Bachelor of Applied Science in Supervision and Management degree.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org. For additional career information, please see: http://www.onetonline.org/find/quick?s=television+production.

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
RTV1000	Fundamentals of Broadcast Production	3.00	*Conc-Reqs: RTV1000L*
RTV1000L	Fundamentals of Broadcast Production Lab	1.00	*Conc-Reqs: RTV1000*
RTV1201	Studio Television Production	3.00	*Pre-Reqs: RTV1000 Conc-Reqs: RTV1201L*
RTV1201L	Studio Television Production Lab	1.00	*Pre-Reqs: RTV1000L Conc-Reqs: RTV1201*

| RTV2222 | Team Media Production | 3.00 | *Pre-Reqs: RTV1201 AND RTV1000 Conc-Reqs: RTV2222L* |
| RTV2222L | Team Media Production Lab | 1.00 | *Pre-Reqs: RTV1201L AND RTV1000L Conc-Reqs: RTV2222* |

Sample Program of Study

Course	Title

... ...   **1st Semester**

SEM HRS

| RTV1000 | Fundamentals of Broadcast Production | 3.00 | *Conc-Reqs: RTV1000L* |
| RTV1000L | Fundamentals of Broadcast Production Lab | 1.00 | *Conc-Reqs: RTV1000* |

... ...   **2nd Semester**

SEM HRS

| RTV1201 | Studio Television Production | 3.00 | *Pre-Reqs: RTV1000 Conc-Reqs: RTV1201L* |
| RTV1201L | Studio Television Production Lab | 1.00 | *Pre-Reqs: RTV1000L Conc-Reqs: RTV1201* |

... ...   **3rd Semester**

SEM HRS

| RTV2222 | Team Media Production | 3.00 | *Pre-Reqs: RTV1201 AND RTV1000 Conc-Reqs: RTV2222L* |
| RTV2222L | Team Media Production Lab | 1.00 | *Pre-Reqs: RTV1201L AND RTV1000L Conc-Reqs: RTV2222* |

TOTAL   ...   **12.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

Credits earned in this certificate may be applied toward lower division Occupational/Technical requirements for the Bachelor of Applied Science in Supervision and Management degree.

Web Development Specialist

Program Mission, Description, and Outcomes

Mission:
The certificate program provides the basic technical skills aligned with the industry standards to design and build websites using web programming languages and to prepare for further education and careers in Information Technology cluster.

Description:
The certificate program in Web development specialist provides the student a solid understanding of the web based technology. The student develops the technical skills to design and build websites using web programming languages for personal and business use, maintain, trouble shoot and implement web based technology on the website for optimization and analysis purposes. The content prepares students to work in Internet, Intranet, and Extranet environments; installing and configuring Intranet and web based resources.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate proficiency with Internet structure, organization, and navigation.
2. Plan and perform installation and configuration of computer hardware and computer hardware.
3. Plan and perform enterprise architecture-related tasks.
4. Prepare, plan and perform web design/development activities and web site management activities.
5. Plan and perform programming and scripting activities.
6. Perform testing/troubleshooting activities and illustrate professional development skills and general organizational computing workplace competencies.

7. Plan and perform e-commerce-related tasks and documentation and technical reference activities.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,657*
Access Fee: $277 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $65
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers

Most of these courses count toward the AS degrees in Internet Services Technology, and some courses could be applied toward AS degrees in Computer Information Technology, Computer Programming and Analysis, and Computer Engineering Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is four (4) semesters for a full-time student, with no students graduating within 4 semesters for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

15-1099.04 Web Developers http://www.onetonline.org/link/summary/15-1099.04

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
CET2154	A+:Computer Operating Systems	4.00	
CET1600	Network Plus	4.00	
DIG1109	Digital Imaging Fundamentals	3.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*
CGS2821	Advanced Web Programming (XML, ASP.Net, SOL Server)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
COP1000	Principles of Computer Programming	3.00	
COP2850	Web Programming Project	3.00	*Pre-Reqs: CGS2821 AND CGS2820*
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
EGS1000	Professional Performance for Technicians	3.00	

Sample Program of Study

Course   Title

... ...   1st Semester

Course	Title	SEM HRS
CET2154	A+:Computer Operating Systems	4.00
COP1000	Principles of Computer Programming	3.00
DIG1109	Digital Imaging Fundamentals	3.00
CTS1851	Internet Web Foundations (HTML, CSS)	3.00

... ...   2nd Semester

Course	Title	SEM HRS	
CET1600	Network Plus	4.00	
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3.00	*Co-Reqs: COP1000 Pre-Reqs: CTS1851*
CGS2821	Advanced Web Programming (XML, ASP.Net, SOL Server)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
EGS1000	Professional Performance for Technicians	3.00	

... ...   3rd Semester

Course	Title	SEM HRS	
DIG2100	Web Design I	3.00	*Pre-Reqs: CTS1851 OR DIG1109*
COP2842	Web Scripting (PHP)	3.00	*Pre-Reqs: COP1000 AND CTS1851*
COP2850	Web Programming Project	3.00	*Pre-Reqs: CGS2821 AND CGS2820*

TOTAL   ...   35.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Welding Technology - Applied

Program Information

Vocational Certificate - Code 1033 - Catalog 2012/2013
James Flake, Faculty, 386-506-3279,
Roger Rowan, Chair, 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, 386-506-4165, cherryb@DaytonaState.edu

08/16/2012 M - 1280

Program Mission, Description, and Outcomes

Mission:
The mission of the Welding Technology program is to provide the knowledge, practice and skill development necessary to become a successful welder.

Description:
The Welding Technology program is a 24.17 vocational credit certificate program. The curriculum is designed to give students a combination of classroom and lab related activities. A "hands-on" approach to student learning is evident as students learn the safety aspects of welding and become proficient at Stick, MIG, TIG and Oxy-acetyline welding. Students will also learn the related skill of blueprint reading which is required for employment as a welder or welder helper.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and ability to safely follow rules and regulations to welding certification standards.
2. Identify and use different tools, equipment, material and electrical products used in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate knowledge and skill in the residential, commercial and industrial markets.

5. Demonstrate the ability to plan and initiate projects in the welding field of work.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,028* (Book costs are not included)
Access Fee: $191 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $1,125
Textbook Estimate: $300

*In-state tuition only; out-of-state tuition will be higher.

Students will have to purchase the following items (approximate costs: $190): Instructor approved welding helmet and face shield, welding jacket, leather welding gloves, work shoes or boots.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at http://www.fafsa.gov. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation

scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements

- Ability to understand and follow specific directions.

- Ability to handle and operate all welding equipment in a safe manner.

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:
1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.
3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers

CIP Code (6 digit): 48.0508

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at http://www.onetonline.org.

Program Length: The typical length of this program is four (4) semesters, with 67% graduating within this timeframe for 2011-12. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

48.0508 Welding Technology/Welder
51-4121.00 Welders, Cutters, Solderers, and Brazers http://www.onetonline.org/link/summary/51-4121.00 Bright Outlook
51-4121.06 Welders, Cutters, and Welder Fitters http://www.onetonline.org/help/bright/51-4121.06 Green
51-4121.07 Solderers and Brazers http://www.onetonline.org/help/bright/51-4121.07
51-4122.00 Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders http://www.onetonline.org/link/summary/51-4122.00

For additional information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=514121&id=1&nodeid=2&stfips=12&search=Go

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	VOC HRS	
PMT0106	Introduction to Welding I	1.00	*Conc-Reqs: PMT0106L*
PMT0106L	Introduction to Welding I Lab	2.00	*Conc-Reqs: PMT0106*
PMT0109	Introduction to Welding II	1.00	*Pre-Reqs: PMT0106 Conc-Reqs: PMT0109L*
PMT0109L	Introduction to Welding II Lab	2.00	*Conc-Reqs: PMT0109*
PMT0121	Welding III (Shield Metal Arc)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0121L*
PMT0121L	Welding III (Shield Metal Arc) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0121*
PMT0131	Welding VII (Gas Tungsten Arc)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0131L*
PMT0131L	Welding VII (Gas Tungsten Arc) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0131*
PMT0134	Welding V (Gas Metal Arc)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0134L*
PMT0134L	Welding V (Gas Metal Arc) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0134*
PMT0154	Welding IV (Plasma Cut Welding and Introduction to MIG)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0154L*
PMT0154L	Welding IV (Plasma Cut Welding and Introduction to MIG) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0154*
PMT0161	Welding VI (Introduction to Pipe Welding)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0102 AND PMT0101 Conc-Reqs: PMT0161L*
PMT0161L	Welding VI (Introduction to Pipe Welding) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0161*
PMT0171	Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0171L*
PMT0171L	Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) Lab	2.17	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0171*

Sample Program of Study

Course	Title	VOC HRS	

1st Semester

Course	Title	VOC HRS	
PMT0106	Introduction to Welding I	1.00	*Conc-Reqs: PMT0106L*
PMT0106L	Introduction to Welding I Lab	2.00	*Conc-Reqs: PMT0106*
PMT0109	Introduction to Welding II	1.00	*Pre-Reqs: PMT0106 Conc-Reqs: PMT0109L*
PMT0109L	Introduction to Welding II Lab	2.00	*Conc-Reqs: PMT0109*

2nd Semester

Course	Title	VOC HRS	
PMT0121	Welding III (Shield Metal Arc)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0121L*
PMT0121L	Welding III (Shield Metal Arc) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0121*
PMT0154	Welding IV (Plasma Cut Welding and Introduction to MIG)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0154L*
PMT0154L	Welding IV (Plasma Cut Welding and Introduction to MIG) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0154*

3rd Semester

VOC

		HRS	
PMT0161	Welding VI (Introduction to Pipe Welding)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0102 AND PMT0101 Conc-Reqs: PMT0161L*
PMT0161L	Welding VI (Introduction to Pipe Welding) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0161*
PMT0134	Welding V (Gas Metal Arc)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0134L*
PMT0134L	Welding V (Gas Metal Arc) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0134*

		VOC HRS	
... ...	**4th Semester**		
PMT0131	Welding VII (Gas Tungsten Arc)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0131L*
PMT0131L	Welding VII (Gas Tungsten Arc) Lab	2.00	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0131*
PMT0171	Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding)	1.00	*Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0171L*
PMT0171L	Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) Lab	2.17	*Pre-Reqs: PMT0106L AND PMT0109L Conc-Reqs: PMT0171*
TOTAL	VOC. HRS.	**24.17**	
TOTAL	CONTACT HOURS	**725.00**	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Wireless Communications

A.S. Certificate - Code 0925 - Catalog 2012/2013
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Timothy Pintello, Assistant Chair, 386-506-4126, pintelt@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/08/2012 M - 1246

Program Mission, Description, and Outcomes
Mission:
The certificate program provides students with the knowledge and skills of wireless technologies, networks, services, and applications. Students also get a basic knowledge of electronics and transmitters, receivers and transmission and distribution systems.

Description:
The certificate program provides students with the knowledge and skills of wireless technologies, networks, services, and applications. The Wireless Communications Certificate is designed to prepare students for employment as a wireless installer, wireless technician, wireless field service technician or to provide supplemental training to persons previously or currently employed in these occupations.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge of basic electronics.
2. Construct and examine the basic operation and application of transmitters, receivers, and transmission and distribution systems.
3. Design and analysis of digital communications systems.
4. Evaluate the performance of transmission and distribution systems.
5. Appraise effectiveness of network communications.

6. Assess the proficiency in the analysis of telephony communication systems.

Note: To ensure Financial Aid program eligibility, students need to also be accepted to the parallel associate degree program.

Approximate Additional Costs
Program Tuition and Fees: $1,881*
Access Fee: $142 ($7.90 per credit)
Assessment Fee: $30
Lab Fees: $70
Textbook Estimate: varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at http://www.fafsa.gov. For more information on grant, loans and work programs, please see the Office of Financial Aid webpage at http://www.daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: http://www.daytonastate.edu/scholarships.

Additional Admission Requirements
- It may be necessary for the student to enroll in a college preparatory English, Math, or Reading course based upon college placement test scores.

Careers
All of these courses count toward either the AS degree in Computer Engineering Technology, Computer Information Technology, Computer Programming and Analysis, Electronics Engineering Technology, and Networking Services Technology.

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on the any career, job, or salary potential can be found at http://www.onetonline.org.

The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2009-2010) for this field at 100%.

17-3029.02 Electrical Engineering Technologists http://www.onetonline.org/help/bright/17-3029.02
17-3029.03 Electromechanical Engineering Technologists http://www.onetonline.org/help/bright/17-3029.03
17-3029.04 Electronics Engineering Technologists http://www.onetonline.org/help/bright/17-3029.04
17-3029.05 Industrial Engineering Technologists http://www.onetonline.org/help/bright/17-3029.05>

For additional Information on wages, trends and career videos:

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

Course	Title	SEM HRS	
CET2154	A+:Computer Operating Systems	4.00	
CET2850	Wireless Networking	4.00	*Pre-Reqs: CET1600*
CET1600	Network Plus	4.00	
EGS1000	Professional Performance for Technicians	3.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

Sample Program of Study

Course	Title	SEM HRS	

1st Semester

Course	Title	SEM HRS	
CET2154	A+:Computer Operating Systems	4.00	
CET1600	Network Plus	4.00	
EET1607	Electronics Assembly and Cabling	2.00	*Conc-Reqs: EET1607L*
EET1607L	Electronics Assembly and Cabling Lab	1.00	*Conc-Reqs: EET1607*

2nd Semester

Course	Title	SEM HRS	
EGS1000	Professional Performance for Technicians	3.00	
CET2850	Wireless Networking	4.00	*Pre-Reqs: CET1600*

TOTAL ... **18.00**

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

ACG - Accounting
ACR - Air Conditioning, Refrigeration and Heating
AER - Automotive Service
AFR - Military Science
AMH - History
AML - English Language and Literature
ANT - Anthropology
APA - Accounting
ARH - Art
ARR - Automotive Collision
ART - Art
ASL - Foreign Language (American Sign Language and Interpreting)
AST - Astronomy

ACG - Accounting

ACG2022 Principles of Financial Accounting, 4.0 sem hrs
A study of accounting concepts for service and merchandising businesses, matching concept, adjusting process, financial statements, accounting systems, internal controls, special journals, receivables, inventories, current liabilities, bonds payable and investment in stocks and bonds, international transactions, and corporate: organization, equity rights and earnings. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

ACG2071 Principles of Managerial Accounting, 4.0 sem hrs
Cash flow statements, financial statement analysis, product costing systems, cost-volume-profit analysis, performance evaluation, cost standards, budgeting, pricing decisions, capital expenditure decisions, taxes and management accounting analysis. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and "C" or better in ACG 2022 or permission of chairperson.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ACG2022

ACG2100 Intermediate Accounting I, 3.0 sem hrs
This course expands on topics covered in Financial Accounting course ACG2022 and presents students with a conceptual framework determined by generally accepted accounting principles. Financial accounting function, theory, and recognition and measurement of assets are covered. (Program Specific Courses require a "C" or better) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: APA1121 AND FIN2000 AND ACG2022 AND APA1111

ACG2900 Directed Study in Accounting, 1.0 - 4.0 sem hrs
Directed Study in Accounting FA,SP, SU

ACG2949 Cooperatived Education Experience in Accounting, 1.0 - 4.0 sem hrs
Cooperative Education Experience in Accounting FA, SP, SU

ACG3024 Accounting for Non-Financial Majors, 3.0 sem hrs
This course addresses the use of accounting information by non-financial managers. Emphasis is placed on the interpretation of accounting information and the language of financial accounting to effectively participate in activities such as planning, investment, control, and managerial decision making. PR: MAC1105 or equivalent; junior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

ACR - Air Conditioning, Refrigeration and Heating

ACR0001 Physical Principles I, 1.0 voc hrs
Scientific principles and calculations as they relate to compression refrigeration. Tools and test equipment used to construct, charge, operate and troubleshoot a refrigeration system. FA, SP

Conc-Reqs: ACR0001L

ACR0001L Physical Principles I Lab, 2.0 voc hrs
Scientific principles and calculations as they relate to compression refrigeration. Tools and test equipment used to construct, charge, operate and troubleshoot a refrigeration system. FA, SP

Conc-Reqs: ACR0001
Lab Fees: $25.00

ACR0002 Physical Principles II, 1.0 voc hrs
Continuation of the study of scientific principles as they relate to compression refrigeration. Tools and test equipment used to construct, charge, operate and troubleshoot a refrigeration system. FA, SP

Co-Reqs: ACR0001
Conc-Reqs: ACR0002L

ACR0002L Physical Principles II Lab, 2.0 voc hrs
Continuation of the study of scientific principles as they relate to compression refrigeration. Tools and test equipment used to construct, charge, operate and troubleshoot a refrigeration system. FA, SP

Co-Reqs: ACR0001L
Conc-Reqs: ACR0002
Lab Fees: $17.00

ACR0061 Psychrometrics, 1.0 voc hrs
A study of air, humidity, heat and movement as it relates to comfort air conditioning. Psychrometric processes will be charted, measured, and applied. SU

Pre-Reqs: ACR0002
Conc-Reqs: ACR0061L

ACR0061L Psychrometrics Lab, 2.0 voc hrs
A study of air, humidity, heat and movement as it relates to comfort air conditioning. Psychrometric processes will be charted, measured, and applied. SU

Conc-Reqs: ACR0061
Lab Fees: $19.00

ACR0062 Heat Load Calculations, 1.0 voc hrs

A study of heat and heat flow. Calculate heat gain and loss, duct and register sizing for comfort in refrigeration and air conditioning. SU

Pre-Reqs: ACR0002
Conc-Reqs: ACR0062L

ACR0062L Heat Load Calculations Lab, 2.0 voc hrs

A study of heat and heat flow. Calculate heat gain and loss, duct and register sizing for comfort in refrigeration and air conditioning. SU

Conc-Reqs: ACR0062
Lab Fees: $14.00

ACR0100 Basic Electricity I, 1.0 voc hrs

Continuation of the study of physical principles of electricity and practices in air conditioning and refrigeration systems. Laws of energy, energy equivalents, electrical components and circuits. FA, SP

Conc-Reqs: ACR0100L

ACR0100L Basic Electricity Lab, 2.0 voc hrs

Continuation of the study of physical principles of electricity and practices in air conditioning and refrigeration systems. Laws of energy, energy equivalents, electrical components and circuits. FA, SP

Conc-Reqs: ACR0100
Lab Fees: $25.00

ACR0102 Basic Electricity II, 1.0 voc hrs

Continuation of the study of physical principles of electricity and practices in air conditioning and refrigeration systems. Laws of energy, energy equivalents, electrical components and circuits. FA, SP

Co-Reqs: ACR0100
Conc-Reqs: ACR0102L

ACR0102L Basic Electricity II Lab, 2.0 voc hrs

Continuation of the study of physical principles of electricity and practices in air conditioning and refrigeration systems. Laws of energy, energy equivalents, electrical components and circuits. FA, SP

Co-Reqs: ACR0100L
Conc-Reqs: ACR0102
Lab Fees: $25.00

ACR0150 A/C Motors and Controls, 1.0 voc hrs

Study of single phase motors and related components. Disassembly, assembly, application and testing with appropriate instrumentation. FA, SP

Pre-Reqs: ACR0102
Conc-Reqs: ACR0150L

ACR0150L A/C Motors and Controls Lab, 2.0 voc hrs
Study of single phase motors and related components. Disassembly, assembly, application and testing with appropriate instrumentation. FA, SP

Conc-Reqs: ACR0150
Lab Fees: $19.00

ACR0205 Refrigerants I, 1.0 voc hrs
A study of the internal chemistry and physics of a refrigeration system. Refrigerants, oil, contaminants, dehydration and burnouts in detail. SU

Pre-Reqs: ACR0002
Conc-Reqs: ACR0205L

ACR0205L Refrigerants I Lab, 2.0 voc hrs
A study of the internal chemistry and physics of a refrigeration system. Refrigerants, oil, contaminants, dehydration and burnouts in detail. SU

Conc-Reqs: ACR0205
Lab Fees: $19.00

ACR0506 Residential Air Conditioning and Refrigeration, 1.0 voc hrs
Study of application, installation, and servicing central residential equipment. Integrates electrical, psychrometric and mechanical operation. FA,SP

Pre-Reqs: ACR0102 AND ACR0002

ACR0506L Residential Air Conditioning and Refrigeration Lab, 2.0 voc hrs
Study of application, installation, and servicing central residential equipment. Integrates electrical, psychrometric and mechanical operation. FA,SP

Lab Fees: $19.00

ACR0600 Fossil Fuel Heating, 1.0 voc hrs
Oil and gas fired heating systems. Combustion, mechanical and electrical components. FA, SP

Pre-Reqs: ACR0150 AND ACR0850
Conc-Reqs: ACR0600L

ACR0600L Fossil Fuel Heating Lab, 2.0 voc hrs
Oil and gas fired heating systems. Combustion, mechanical and electrical components. FA, SP

Conc-Reqs: ACR0600
Lab Fees: $15.00

ACR0601 Heat Pumps, 1.0 voc hrs
An advanced study of the refrigerant cycle and the electrical circuitry necessary to provide year-round air conditioning. Includes electric furnaces. FA, SP

Pre-Reqs: ACR0506 AND ACR0150

Conc-Reqs: ACR0601L

ACR0601L Heat Pumps Lab, 2.0 voc hrs

An advanced study of the refrigerant cycle and the electrical circuitry necessary to provide year-round air conditioning. Includes electric furnaces. FA, SP

Pre-Reqs: ACR0506L AND ACR0150L
Conc-Reqs: ACR0601
Lab Fees: $28.00

ACR0741 Commercial Refrigeration I, 1.0 voc hrs

Comprehensive study of standard and special mechanical components. Component characteristics, operation and application. Design, construction and analysis of commercial systems. FA, SP

Pre-Reqs: ACR0102 AND ACR0002
Conc-Reqs: ACR0741L

ACR0741L Commercial Refrigeration I Lab, 2.0 voc hrs

Comprehensive study of standard and special mechanical components. Component characteristics, operation and application. Design, construction and analysis of commercial systems. FA, SP

Conc-Reqs: ACR0741
Lab Fees: $25.00

ACR0742 Commercial Refrigeration II, 1.0 voc hrs

A study of larger, multiple temperature refrigeration systems, more complex electrical and mechanical components and three-phase electricity. Design, construct and trouble-shoot advanced equipment. FA, SP

Pre-Reqs: ACR0741
Conc-Reqs: ACR0742L

ACR0742L Commercial Refrigeration II Lab, 2.0 voc hrs

A study of larger, multiple temperature refrigeration systems, more complex electrical and mechanical components and three-phase electricity. Design, construct and trouble-shoot advanced equipment. FA, SP

Conc-Reqs: ACR0742
Lab Fees: $25.00

ACR0815 Advanced Service Practice, 1.0 voc hrs

Conglomerate of previous courses, diagnostic procedures of job entry competencies in commercial refrigeration and central residential air conditioning. FA, SP

Pre-Reqs: ACR0741 AND ACR0850 AND ACR0150
Conc-Reqs: ACR0815L

ACR0815L Advanced Service Practice Lab, 2.0 voc hrs

Conglomerate of previous courses, diagnostic procedures of job entry competencies in commercial refrigeration and central residential air conditioning. FA, SP

Conc-Reqs: ACR0815
Lab Fees: $25.00

ACR0850 Air Conditioning Wiring, 1.0 voc hrs

The student will study principles of controls and interaction of components associated with residential and light commercial air conditioning systems. The student will design, construct and troubleshoot electrical circuits as used in residential and commercial A/C systems. FA, SP

Pre-Reqs: ACR0102
Conc-Reqs: ACR0850L

ACR0850L Air Conditioning Wiring Lab, 2.0 voc hrs

The student will study principles of controls and interaction of components associated with residential and light commercial air conditioning systems. The student will design, construct and troubleshoot electrical circuits as used in residential and commercial A/C systems. FA, SP

Conc-Reqs: ACR0850
Lab Fees: $25.00

ACR0905 Directed Study in Air Conditioning and Refrigeration, 1.0 - 4.0 voc hrs

Directed Study in Air Conditioning/Refrigeration FA, SP, SU

ACR0949 Cooperative Education Experience in Air Conditioning and Refrigeration, 1.0 - 4.0 voc hrs

Cooperative Education Experience in Air Conditioning/Refrigeration FA, SP, SU

AER - Automotive Service

AER0014 Automotive Service Assistor, 3.0 voc hrs

This course prepares the student to perform a vehicle inspection and all basic vehicle service and maintenance procedures. This course also instructs on automotive industry operations, A.S.E. certification programs, service manual interpretation, and tire and wheel maintenance. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0014L

AER0014L Automotive Service Assistor Lab, 7.0 voc hrs

This course prepares the student to perform a vehicle inspection and all basic vehicle service and maintenance procedures. This course also instructs on automotive industry operations, A.S.E. certification programs, service manual interpretation, and tire and wheel maintenance. Components include lecture/discussion, written assignments, and hands-on experience. FA, SP

Conc-Reqs: AER0014
Lab Fees: $52.00

AER0033 Shop Math, Safety and Blueprint Reading, 1.0 voc hrs

Introduction course in shop math, measurement, job safety and material processes. This course will prepare the student for many levels of high performance engine building. Hands on training of practical motor applications for measurement. Blueprint reading will also be covered with engine features. FA,SP

Conc-Reqs: AER0033L

AER0033L Shop Math, Safety and Blueprint Reading Lab, 2.33 voc hrs

Introduction course in shop math, measurement, job safety and material processes. This course will prepare the student for many levels of high performance engine building. Hands on training of practical motor applications for measurement. Blueprint reading will also be covered with engine features. FA,SP

Conc-Reqs: AER0033
Lab Fees: $20.00

AER0102 Engine Theory, 1.0 voc hrs

The principles of four-stroke engine designs are the foundation for this study. Two-stroke engine design is also covered. Motor application. Valve train to piston to combustion theory. Application of internal moving parts and relationships to each other are emphasized. FA,SP

Conc-Reqs: AER0102L

AER0102L Engine Theory Lab, 2.0 voc hrs

The principles of four-stroke engine designs are the foundation for this study. Two-stroke engine design is also covered. Motor application. Valve train to piston to combustion theory. Application of internal moving parts and relationships to each other are emphasized. FA,SP

Conc-Reqs: AER0102
Lab Fees: $50.00

AER0110 Engine Mechanical Service and Repair, 1.65 voc hrs

Prepares the student to test, diagnose, and repair four, six and eight-cylinder engines. Components include lecture/discussion both online and f2f, written and online assignments, online testing and hands-on experience. FA,SP

Conc-Reqs: AER0110L

AER0110L Engine Mechanical Service and Repair Lab, 3.35 voc hrs

Prepares the student to test, diagnose, and repair four, six and eight-cylinder engines. Components include lecture/discussion both online and f2f, written and online assignments, online testing and hands-on experience. FA,SP

Conc-Reqs: AER0110
Lab Fees: $122.00

AER0152 Engine Assembly and Testing, 1.0 voc hrs

The engine assembly class will allow the students to completely assemble the engine and start it up and test. Student will fit all parts, measure and check clearances, test the oiling system and lubrication. FA,SP

Conc-Reqs: AER0152L

AER0152L Engine Assembly and Testing Lab, 2.0 voc hrs

The engine assembly class will allow the students to completely assemble the engine and start it up and test. Student will fit all parts, measure and check clearances, test the oiling system and lubrication.

FA,SP

Conc-Reqs: AER0152
Lab Fees: $50.00

AER0172 Automotive Heating and Air Conditioning Systems, 1.65 voc hrs

Prepares the student to diagnose, service, and repair automotive heating and air conditioning systems. Automatic Temperature Control systems are introduced, and refrigerant recovery procedures are taught. Components include lecture/discussion, online testing and assignments, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0172L

AER0172L Automotive Heating and Air Conditioning Systems Lab, 3.35 voc hrs

Prepares the student to diagnose, service, and repair automotive heating and air conditioning systems. Automatic Temperature Control systems are introduced, and refrigerant recovery procedures are taught. Components include lecture/discussion, online testing and assignments, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0172
Lab Fees: $69.00

AER0257 Automotive Transmission and Transaxles, 1.65 voc hrs

Prepares the student to test, diagnose and repair automatic transaxles and electronic transmissions. Theory of operation, testing and diagnosis is stressed. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0257L

AER0257L Automotive Transmission and Transaxles Lab, 3.35 voc hrs

Prepares the student to test, diagnose and repair automatic transaxles and electronic transmissions. Theory of operation, testing and diagnosis is stressed. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0257
Lab Fees: $105.00

AER0274 Manual Drivetrain and Axle, 1.65 voc hrs

Prepares the student to diagnose and repair manual transaxles, clutches, transmissions, differentials, driveline components, hydraulic systems, and four-wheel transfer cases. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0274L

AER0274L Manual Drivetrain and Axle Lab, 3.35 voc hrs

Prepares the student to diagnose and repair manual transaxles, clutches, transmissions, differentials, driveline components, hydraulic systems, and four-wheel transfer cases. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0274
Lab Fees: $62.00

AER0360 Electricity/Electronics Fundamentals, 3.35 voc hrs
Prepares the student to test, diagnose, and repair starting, charging, lighting, and associated electrical systems. Electrical measurement and circuit tracing are stressed, along with an introduction to the operation of basic components associated with electrical and electronic systems. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0360L

AER0360L Electricity/Electronics Fundamentals Lab, 6.65 voc hrs
Prepares the student to test, diagnose, and repair starting, charging, lighting, and associated electrical systems. Electrical measurement and circuit tracing are stressed, along with an introduction to the operation of basic components associated with electrical and electronic systems. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0360
Lab Fees: $25.00

AER0418 Automotive Brake Systems, 1.65 voc hrs
Prepares the student to diagnose, service, and repair late model Disc and Drum braking systems and controls, including Anti-Lock Braking Systems. Components include lecture/discussion, online testing and assessment, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0418L

AER0418L Automotive Brake Systems Lab, 3.35 voc hrs
Prepares the student to diagnose, service, and repair late model Disc and Drum braking systems and controls, including Anti-Lock Braking Systems. Components include lecture/discussion, online testing and assessment, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0418
Lab Fees: $36.00

AER0453 Automotive Steering and Suspension, 1.65 voc hrs
Prepares the student to diagnose and repair steering and suspension systems, including electronic suspensions, and four-wheel steering systems. The most common wheel alignment techniques are taught. Components include lecture/discussion, written assignments and hands-on experience. FA,SP

Conc-Reqs: AER0453L

AER0453L Automotive Steering and Suspension Lab, 3.35 voc hrs
Prepares the student to diagnose and repair steering and suspension systems, including electronic suspensions, and four-wheel steering systems. The most common wheel alignment techniques are taught. Components include lecture/discussion, written assignments and hands-on experience. FA,SP

Conc-Reqs: AER0453
Lab Fees: $52.00

AER0461 Chassis and Brake System, 1.0 voc hrs
This course covers the drivetrain and suspension .Having a high performance motor is one thing, if the chassis is not set up proper, the vehicle will not produce to optimum performance. This course is very

important for the final outcome of high performance. FA,SP

Conc-Reqs: AER0461L

AER0461L Chassis and Brake System Lab, 2.0 voc hrs

This course covers the drivetrain and suspension .Having a high performance motor is one thing, if the chassis is not set up proper, the vehicle will not produce to optimum performance. This course is very important for the final outcome of high performance. FA,SP

Conc-Reqs: AER0461
Lab Fees: $25.00

AER0503 Automotive Engine Performance, 3.35 voc hrs

Prepares the student to test, diagnose, and repair electronic ignition and emissions control systems. Prepares the student to test, diagnose and repair electronic fuel injection systems utilizing industry standard tools. Five-gas theory and oscilloscope diagnosis are introduced. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0503L

AER0503L Automotive Engine Performance Lab, 6.65 voc hrs

Prepares the student to test, diagnose, and repair electronic ignition and emissions control systems. Prepares the student to test, diagnose and repair electronic fuel injection systems utilizing industry standard tools. Five-gas theory and oscilloscope diagnosis are introduced. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0503
Lab Fees: $39.00

AER0608 Electronics, 1.0 voc hrs

Prepares the student to test, diagnose, and repair starting, charging and associated electrical systems. Electrical measurement and circuit tracing are stressed, along with an introduction to the operation of basic components associated with electrical and electronic systems. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0608L

AER0608L Electronics Lab, 2.0 voc hrs

Prepares the student to test, diagnose, and repair starting, charging and associated electrical systems. Electrical measurement and circuit tracing are stressed, along with an introduction to the operation of basic components associated with electrical and electronic systems. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0608
Lab Fees: $25.00

AER0811 Electronic System Management, 1.0 voc hrs

This course familiarizes the student with the theory of operation of automotive computer systems. Prepares the student to perform lab oscilloscope analysis of electronic control unit circuitry. Familiarizes the student with the theory of supercharging, and the diagnosis and repair of turbochargers. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0811L

AER0811L Electronic System Management Lab, 2.0 voc hrs

This course familiarizes the student with the theory of operation of automotive computer systems. Prepares the student to perform lab oscilloscope analysis of electronic control unit circuitry. Familiarizes the student with the theory of supercharging, and the diagnosis and repair of turbochargers. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0811
Lab Fees: $20.00

AER0831 Ignition Theory, 1.0 voc hrs

Familiarizes the student with the theory of operation of Engine performance systems. Prepares the student to perform diagnostics, service, and repair of the vehicle powertrain management system. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0831L

AER0831L Ignition Theory Lab, 2.0 voc hrs

Familiarizes the student with the theory of operation of Engine performance systems. Prepares the student to perform diagnostics, service, and repair of the vehicle powertrain management system. Components include lecture/discussion, written assignments, and hands-on experience. FA,SP

Conc-Reqs: AER0831
Lab Fees: $20.00

AER0844 Fuel Systems, 1.0 voc hrs

Most vehicles today are using an electronic fuel system management. Racing engine today are using an electronic fuel management along with normally aspirated carburetors. Turbo charging, supercharging and nitrous oxide systems are all reviewed in this course. FA,SP

Conc-Reqs: AER0844L

AER0844L Fuel Systems Lab, 2.0 voc hrs

Most vehicles today are using an electronic fuel system management. Racing engine today are using an electronic fuel management along with normally aspirated carburetors. Turbo charging, supercharging and nitrous oxide systems are all reviewed in this course. FA,SP

Conc-Reqs: AER0844
Lab Fees: $20.00

AFR - Military Science

AFR1101 The Air Force Today I (General Military Course) - AF101, 1.0 sem hrs

A survey course that focuses on the organizational structure and missions of Air Force organizations, officership and professionalism, and includes an introduction to communicative skills. A weekly leadership laboratory is mandatory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

AFR1111 The Air Force Today II (General Military Course) - AF102, 1.0 sem hrs
Continuation of AFR 1101. A weekly leadership laboratory is mandatory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

AFR2130 The Development of Air Power I (General Military Course) - AF201, 1.0 sem hrs
Focuses on factors contributing to the development of air power from its earliest beginnings through two world wars, the evolution of air power concepts and doctrine and an assessment of communicative skills. A weekly leadership laboratory is mandatory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

AFR2131 The Development of Air Power II (General Military Course) - AF202, 1.0 sem hrs
Continuation of AFR 2130. A weekly leadership laboratory is mandatory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

AFR3220 Air Force Leadership Studies I (Professional Officer Course) - AF301, 3.0 sem hrs
A study of leadership, management fundamentals, professional knowledge, Air Force personnel evaluation systems, leadership ethics, and the communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical applications of the concepts being studied. A mandatory Leadership Laboratory complements this course by providing advanced leadership experience in officer-type activities, giving students the opportunity to apply the leadership and management principles of this course. (Prerequisite: Completion of the General Military Course.) FA

Pre-Reqs: AFR2131

AFR3221 Air Force Leadership Studies II (Professional Officer Course) - AF302, 3.0 sem hrs
Continuation of AFR 3220 - AF301. A weekly leadership laboratory is mandatory. (Prerequisite: Completion of the General Military Course.) SP

Pre-Reqs: AFR2131

AFR4231 Preparation for Active Duty I (Professional Officer Course) - AF401, 3.0 sem hrs
Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Continued emphasis is given to the refinement of communication skills. An additional leadership laboratory complements this course by providing advanced leadership management principles. FA

Pre-Reqs: AFR3220 AND AFR3221

AFR4232 Preparation for Active Duty II (Professional Officer Course) - AF402, 3.0 sem hrs
Continuation of AFR 4231 - AF401. A weekly leadership laboratory is mandatory. SP

Pre-Reqs: AFR3220 AND AFR3221

AMH - History

AMH2010 United States History to 1877, 3.0 sem hrs
The political, economic, social and intellectual development of the people of the United States, from European exploration and settlement through the Civil War and Reconstruction. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ENC1101

AMH2020 United States History 1865 to Present, 3.0 sem hrs
The political, economic, social and intellectual development of the people of the United States, from the Civil War to the present. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ENC1101

AMH2042 American Social History 1860 to Present, 3.0 sem hrs
An examination of the cultural experiences, institutions and customs of American life and their effects on our common heritage, from 1860 to present times. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: ENC1101

AMH2045 American Maritime History, 3.0 sem hrs
An introductory course on American maritime history, tracing the impact of seafaring Americans and their related institutions and activities on American history from pre-colonial times to the present. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: ENC1101

AMH2047 Survey of US Military History, 3.0 sem hrs
This course surveys American military history chronologically and thematically by examining history primarily from a military perspective and will analyze major military topics throughout world history with an emphasis on the 20th century wars that have shaped the modern world. Furthermore, the course will look at the leaders, strategists and soldiers who waged these wars. The course will also examine the evolution of technology and its impact on warfare. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

AMH2057 The American Civil War, 3.0 sem hrs
This course covers the American Civil War with emphasis on the complex causes and lasting effects of this conflict of the battles, home fronts and solders, slaves, military and political leaders of this era. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: ENC1101

AMH2058 World War II, 3.0 sem hrs

An introductory course on World War II tracing the causes and effects of this conflict on the United States and World History. The course will examine events that caused the war and will also examine the ramifications that the conflict caused in the United States and throughout the world. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: ENC1101

AMH2059 The Vietnam War, 3.0 sem hrs

An introductory course on the Vietnam War, tracing the causes, and the effects of this conflict on United States and World History. The course will review the conflicts that occurred in Vietnam, from the time of French colonization to the present day. The course will also examine the ramifications that this conflict caused in the United States, and throughout the world. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ENC1101

AMH2091 Survey of African American History, 3.0 sem hrs

A historical survey of African American experiences beginning with an overview of ancient African peoples, with emphasis on the experiences of Africans and their descendants in America. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101

AML - English Language and Literature

AML2050 Modern American Literature, 3.0 sem hrs

A survey of American writers covering roughly 1900-1950, emphasizing the modernist movement. Representative authors may include Faulkner, Hemingway, Fitzgerald, O'Neill, Cummings, Frost, Eliot, Pound. This course contributes to satisying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ENC1101

AML2060 Contemporary American Literature, 3.0 sem hrs

A survey of American writers of the last fifty to sixty years, since 1950, including attention to postmodernist literature. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101

AML2600 Introduction to African American Literature, 3.0 sem hrs

A survey of the African American history tradition from the eighteenth century to the present as reflected in a variety of oral and written traditions: songs, speeches, poetry, short-fiction, novels, drama,

autobiographies, journals and letters. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: ENC1101

ANT - Anthropology

ANT2000 Introduction to Anthropology, 3.0 sem hrs
A survey course including the subfields of linguistics, archaeology, cultural and physical anthropology. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

APA - Accounting

APA1111 Computerized Accounting/Bookkeeping I, 4.0 sem hrs
The recording of business transactions; organization of ledgers, trial balances and worksheets; and adjusting and closing entries. Manual preparation of financial statements. Using accounting software to enter data, generate reports, and prepare financial statements. FA, SP, SU

APA1121 Computerized Accounting/Bookkeeping II, 4.0 sem hrs
Principles and procedures for establishing, maintaining and summarizing financial records. Payroll procedures and closing books, both manually and on the computer. (Prerequisite APA 1111 or permission of chairperson.) FA, SP

Pre-Reqs: APA1111

APA1711 Computer Spreadsheet, 3.0 sem hrs
Introduction in using computerized spreadsheets for beginning spreadsheet students. This course provides instruction in comprehensive concepts and techniques of spreadsheet applications used in the field of business. Basic topics are covered as well as additional topics including macros, PivotCharts and other worksheet design techniques. FA, SP, SU

APA2905 Directed Study in Accounting, 1.0 - 4.0 sem hrs
Practical applications of the techniques and practices of the accountant at work. FA, SP, SU

Pre-Reqs: ACG2071

APA2949 Cooperative Education Experience in Accounting/Bookkeeping, 1.0 - 4.0 sem hrs
Cooperative Education Experience in Accounting/ Bookkeeping FA,SP, SU

ARH - Art

ARH1000 Art Appreciation, 3.0 sem hrs
A foundation for understanding the visual arts. This course contributes to satisfying the Gordon Rule requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.)***

degree. FA, SP, SU

Co-Reqs: ENC1101

ARH2050 Introduction to the History and Criticism of Art I, 3.0 sem hrs

Survey and criticism of ancient, medieval, Renaissance and contemporary art and architecture; relation of styles to cultural context. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: ENC1101

ARH2051 Introduction to the History and Criticism of Art II, 3.0 sem hrs

Relation of artistic styles to cultural context. Survey and criticism of Renaissance, Baroque and contemporary art and architecture. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: ENC1101

ARH2905 Directed Study in Art History, 1.0 - 4.0 sem hrs

Directed Study in Art History. FA, SP. SU

ARR - Automotive Collision

ARR0121 Introduction to Refinishing, 2.0 voc hrs

Students will be introduced to the theory of operating todays high tech refinish equipment. Students will learn the proper application of todays refinish materials, while adhering to personal and refinish safety techniques. FA

Conc-Reqs: ARR0121L

ARR0121L Introduction to Refinishing Lab, 2.0 voc hrs

Students will be introduced to the theory of operating todays high tech refinish equipment. Students will learn the proper application of todays refinish materials, while adhering to personal and refinish safety techniques. FA

Conc-Reqs: ARR0121
Lab Fees: $105.00

ARR0122 Auto Refinishing II, 2.0 voc hrs

Students are Introduced to finish identification, masking, and surface preparation. Develop proper spray gun techniques and application of corrosion protective materials. SP

Co-Reqs: ARR0121
Conc-Reqs: ARR0122L

ARR0122L Auto Refinishing II Lab, 2.0 voc hrs

Students are Introduced to finish identification, masking, and surface preparation. Develop proper spray gun techniques and application of corrosion protective materials. SP

Co-Reqs: ARR0121L

Conc-Reqs: ARR0122
Lab Fees: $105.00

ARR0123 Auto Refinishing III, 2.0 voc hrs

Students will be demonstrating advanced refinish techniques, color theory and perform tinting and blending procedures. Students will also develop skills in refinish defect removal and final detailing techniques. FA

Co-Reqs: ARR0122
Conc-Reqs: ARR0123L

ARR0123L Auto Refinishing III Lab, 2.0 voc hrs

Students will be demonstrating advanced refinish techniques, color theory and perform tinting and blending procedures. Students will also develop skills in refinish defect removal and final detailing techniques. FA

Co-Reqs: ARR0122L
Conc-Reqs: ARR0123
Lab Fees: $104.00

ARR0241 Introduction to Collision Repair, 2.0 voc hrs

Students will learn vehicle construction, terminology and collision energy management of todays high tech vehicles. Students will develop understanding of repair vs. replacement techniques, and the basics of collision estimating. Students will also learn basic industry welding techniques. FA

Conc-Reqs: ARR0241L

ARR0241L Introduction to Collision Repair Lab, 2.0 voc hrs

Students will learn vehicle construction, terminology and collision energy management of todays high tech vehicles. Students will develop understanding of repair vs. replacement techniques, and the basics of collision estimating. Students will also learn basic industry welding techniques. FA

Conc-Reqs: ARR0241
Lab Fees: $119.00

ARR0242 Collision Repair II, 2.0 voc hrs

Covering frontal impact analysis, students learn vital repair / replacement decisions. Developing repair plans and proper removal / replacement procedures. This class also covers function and fit of exterior panels. SP

Co-Reqs: ARR0241
Conc-Reqs: ARR0242L

ARR0242L Collision Repair II Lab, 2.0 voc hrs

Covering frontal impact analysis, students learn vital repair / replacement decisions. Developing repair plans and proper removal / replacement procedures. This class also covers function and fit of exterior panels. SP

Co-Reqs: ARR0241L
Conc-Reqs: ARR0242
Lab Fees: $133.00

ARR0243 Collision Repair III, 2.0 voc hrs
Students develop skills in vehicle mechanical system analysis, effects of side and rear impacts, restraint systems and cosmetic straightening of steel. FA

Co-Reqs: ARR0242
Conc-Reqs: ARR0243L

ARR0243L Collision Repair III Lab, 2.0 voc hrs
Students develop skills in vehicle mechanical system analysis, effects of side and rear impacts, restraint systems and cosmetic straightening of steel. FA

Co-Reqs: ARR0242L
Conc-Reqs: ARR0243
Lab Fees: $131.00

ARR0244 Basic Collision and Refinishing Overview (Work On Your Own Car), 2.0 voc hrs
This advanced course takes students through the art of plastic repair, replacement of vehicle components, to the new technology of adhesive bonding for panel replacement. FA,SP

Conc-Reqs: ARR0244L

ARR0244L Basic Collision and Refinishing Overview (Work On Your Own Car) Lab, 2.0 voc hrs
This advanced course takes students through the art of plastic repair, replacement of vehicle components, to the new technology of adhesive bonding for panel replacement. FA,SP

Conc-Reqs: ARR0244
Lab Fees: $95.00

ARR0294 Electrical, Glass and Trim, 2.0 voc hrs
Students will develop basic skills in electrical analysis, and proper glass adjustment and installation. Also, learn interior and exterior trim and molding removal and replacement techniques. FA

Conc-Reqs: ARR0294L

ARR0294L Electrical, Glass and Trim Lab, 2.0 voc hrs
Students will develop basic skills in electrical analysis, and proper glass adjustment and installation. Also, learn interior and exterior trim and molding removal and replacement techniques. FA

Conc-Reqs: ARR0294
Lab Fees: $65.00

ARR0376 Advanced Vehicle Components, 1.33 voc hrs
Analyzing todays suspension system is very complex. Students will learn the different designs and have the ability to diagnose suspension angles and understand wheel alignments. This course also enables students to analyze and repair safety restraint system and airbag systems. FA, SP

Conc-Reqs: ARR0376L

ARR0376L Advanced Vehicle Components Lab, 1.34 voc hrs
Analyzing todays suspension system is very complex. Students will learn the different designs and have

the ability to diagnose suspension angles and understand wheel alignments. This course also enables students to analyze and repair safety restraint system and airbag systems. FA, SP

Conc-Reqs: ARR0376
Lab Fees: $32.00

ARR0381 Introduction to Unibody and Frame, 2.0 voc hrs
Introductory instruction in the diagnosis and measurement of damaged unibody and frame-type vehicles. Training in frame straightening techniques and related tasks. FA

Conc-Reqs: ARR0381L

ARR0381L Introduction to Unibody and Frame Lab, 2.0 voc hrs
Introductory instruction in the diagnosis and measurement of damaged unibody and frame-type vehicles. Training in frame straightening techniques and related tasks. FA

Conc-Reqs: ARR0381
Lab Fees: $61.00

ARR0382 Unibody and Frame II, 2.0 voc hrs
Students will learn advanced skill development in replacement of structural components. This course takes students through the theory to hands-on unibody and frame set-up and pulls to return vehicle dimensions to manufacturer specifications. Instruction also includes structural welding techniques. SP

Co-Reqs: ARR0381
Conc-Reqs: ARR0382L

ARR0382L Unibody and Frame II Lab, 2.0 voc hrs
Students will learn advanced skill development in replacement of structural components. This course takes students through the theory to hands-on unibody and frame set-up and pulls to return vehicle dimensions to manufacturer specifications. Instruction also includes structural welding techniques. SP

Co-Reqs: ARR0381
Conc-Reqs: ARR0382
Lab Fees: $95.00

ARR0383 Unibody and Frame III, 2.0 voc hrs
This course takes students into full frame sectioning and replacement through to structural aluminum design and repair. Highlights are actually setting up and measuring unibody and full frame vehicles, and developing advanced skills to be utilized in the industry. SP

Co-Reqs: ARR0382
Conc-Reqs: ARR0383L

ARR0383L Unibody and Frame III Lab, 2.0 voc hrs
This course takes students into full frame sectioning and replacement through to structural aluminum design and repair. Highlights are actually setting up and measuring unibody and full frame vehicles, and developing advanced skills to be utilized in the industry. SP

Co-Reqs: ARR0382L
Conc-Reqs: ARR0383

Lab Fees: $87.00

ARR0905 Directed Study in Automotive Body Repair and Refinishing, 1.0 - 4.0 voc hrs

Directed Study in Automotive Repair and Refinishing. FA, SP, SU

ARR0949 Cooperative Education Experience in Automotive Body Repair and Refinishing, 1.0 - 4.0 voc hrs

Cooperative Education Experience in Automotive Body Repair and Refinishing FA, SP, SU

ART - Art

ART1201 Design I, 2.0 sem hrs

Studio assignments concerned with basic art fundamentals: line, color, shape, value and texture in organization of two-dimensional surface. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA.

Conc-Reqs: ART1201L

ART1201L Design I Lab, 1.0 sem hrs

Studio assignments concerned with basic art fundamentals: line, color, shape, value and texture in organization of two-dimensional surface. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART1201

ART1203 Design II, 2.0 sem hrs

Studio problems relating basic art fundamentals of three-dimensional forms. Four studio hours per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: ART1201 OR ART1201C
Conc-Reqs: ART1203L

ART1203L Design II Lab, 1.0 sem hrs

Studio problems relating basic art fundamentals of three-dimensional forms. Four studio hours per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART1203

ART1300 Drawing I, 2.0 sem hrs

ART 1300/1300L is a traditional, beginning drawing class which teaches the fundamental skills needed for representational/objective drawing from life. Open to all students. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: ART1300L

ART1300L Drawing I Lab, 1.0 sem hrs

ART 1300/1300L is a traditional, beginning drawing class which teaches the fundamental skills needed for representational/objective drawing from life. Open to all students. Four studio hours. *This course*

will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree. FA, SP, SU

Conc-Reqs: ART1300

ART1301 Drawing II, 2.0 sem hrs
Drawing II is a continuation of the skill development begun in ART 1300/1300L. New materials, idea development and composition are stressed in the production of a portfolio. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ART1300 OR ART1300C
Conc-Reqs: ART1301L

ART1301L Drawing II Lab, 1.0 sem hrs
Drawing II is a continuation of the skill development begun in ART 1300/1300L. New materials, idea development and composition are stressed in the production of a portfolio. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: ART1301

ART1331 Drawing III, 2.0 sem hrs
The study of the human figure in drawing through the use of live models. Four studio hours. May be repeated one time for credit. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: ART1300
Conc-Reqs: ART1331L

ART1331L Drawing III Lab, 1.0 sem hrs
The study of the human figure in drawing through the use of live models. Four studio hours. May be repeated one time for credit. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART1331
Lab Fees: $30.00

ART1500 Painting I, 2.0 sem hrs
An introduction to opaque painting. Emphasis on the fundamentals of technique, color and equipment. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: ART1500L

ART1500L Painting I Lab, 1.0 sem hrs
An introduction to opaque painting. Emphasis on the fundamentals of technique, color and equipment. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: ART1500

ART1501 Painting II, 2.0 sem hrs

Continuation of ART 1500 with emphasis on composition, elements of design and the development of work in a series. May be repeated one time for credit. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ART1500C OR ART1500
Conc-Reqs: ART1501L

ART1501L Painting II Lab, 1.0 sem hrs

Continuation of ART 1500 with emphasis on composition, elements of design and the development of work in a series. May be repeated one time for credit. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: ART1501

ART1754 Pottery Handbuilding I, 2.0 sem hrs

Introduction to ceramic design. Emphasizing basic hand building, glazing and firing techniques. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART1754L

ART1754L Pottery Handbuilding I Lab, 1.0 sem hrs

Introduction to ceramic design. Emphasizing basic hand building, glazing and firing techniques. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART1754
Lab Fees: $27.00

ART1772 Raku Pottery I, 2.0 sem hrs

Introduction to ceramic design using the low fire raku pottery process. Basic hand building, glazing and firing techniques will be taught. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART1772L

ART1772L Raku Pottery I Lab, 1.0 sem hrs

Introduction to ceramic design using the low fire raku pottery process. Basic hand building, glazing and firing techniques will be taught. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Conc-Reqs: ART1772
Lab Fees: $27.00

ART2400 Printmaking I, 2.0 sem hrs

A survey of relief, intaglio and monotype printmaking techniques, including linocut, woodcut, collagraph and etching. May be repeated one time for credit. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2400L

ART2400L Printmaking Lab, 1.0 sem hrs

A survey of relief, intaglio and monotype printmaking techniques, including linocut, woodcut, collagraph and etching. May be repeated one time for credit. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2400
Lab Fees: $15.00

ART2540 Watercolor I, 2.0 sem hrs

An introduction to transparent watercolor painting. Emphasis on use of color, technique and equipment. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2540L

ART2540L Watercolor I Lab, 1.0 sem hrs

An introduction to transparent watercolor painting. Emphasis on use of color, technique and equipment. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2540

ART2551 Airbrush Techniques, 2.0 sem hrs

The art, history and techniques of the airbrush. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2551L

ART2551L Airbrush Techniques Lab, 1.0 sem hrs

The art, history and techniques of the airbrush. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2551

ART2701 Sculpture I, 2.0 sem hrs

Introduction to three dimensional space and mass using wood, clay, plaster and other materials. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2701L

ART2701L Sculpture I Lab, 1.0 sem hrs

Introduction to three dimensional space and mass using wood, clay, plaster and other materials. Four studio hours. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2701
Lab Fees: $10.00

ART2702 Sculpture II, 2.0 sem hrs

Continuation and refinement of Sculpture I processes. May be repeated one time for credit. Four studio hours. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: ART2701 OR ART2701C
Conc-Reqs: ART2702L

ART2702L Sculpture II Lab, 1.0 sem hrs

Continuation and refinement of Sculpture I processes. May be repeated one time for credit. Four studio hours. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Conc-Reqs: ART2702
Lab Fees: $10.00

ART2722 Stone Carving, 2.0 sem hrs

This is an introductory course in subtractive sculpture which builds foundation skills in stone carving and other processes. NOTE: This course may be accepted for transfer credit at the discretion of the receiving institution. Four studio hours. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Conc-Reqs: ART2722L

ART2722L Stone Carving Lab, 1.0 sem hrs

This is an introductory course in subtractive sculpture which builds foundation skills in stone carving and other processes. NOTE: This course may be accepted for transfer credit at the discretion of the receiving institution. Four studio hours. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Conc-Reqs: ART2722
Lab Fees: $10.00

ART2752 Pottery Wheelthrowing I, 2.0 sem hrs

Introduction to wheel-thrown pottery. Basic principles and development of skills on the potters wheel. Simple forming, glazing and firing techniques. Four studio hours. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Conc-Reqs: ART2752L

ART2752L Pottery Wheelthrowing I Lab, 1.0 sem hrs

Introduction to wheel-thrown pottery. Basic principles and development of skills on the potters wheel. Simple forming, glazing and firing techniques. Four studio hours. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Conc-Reqs: ART2752
Lab Fees: $27.00

ART2759 Ceramic Studio I, 1.0 sem hrs

An advanced course in ceramics for art majors specializing in ceramics. May be repeated one time for credit. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: ART1754C OR ART2752 OR ART1754
Lab Fees: $10.00

ART2834 Museum and Gallery Practices, 1.0 sem hrs

This course covers basic museum principles and techniques and includes an overview of collections care and management, installation and design of exhibitions, exhibitions and publications research, education and interpretation, marketing and conservation. Students undertake production role duties in a variety of museum operational areas. Formal instruction is supplemented by demonstration with hands-on learning and participation under the direction of placement supervisors. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: PGY2000 OR ARH2050 OR ARH2051
Conc-Reqs: ART2834L

ART2834L Museum and Gallery Practices Lab, 2.0 sem hrs

This is the concurrent lab for ART 2834. This course covers basic museum principles and techniques and includes an overview of collections care and management, installation and design of exhibitions, exhibitions and publications research, education and interpretation, marketing and conservation. Students undertake production role duties in a variety of museum operational areas. Formal instruction is supplemented by demonstration with hands-on learning and participation under the direction of placement supervisors. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: ART2834

ART2905 Directed Study in Art, 1.0 - 4.0 sem hrs

Directed Study in Art FA, SP, SU

ART2949 Cooperative Education Experience in Art, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Art FA, SP, SU

ASL - Foreign Language (American Sign Language and Interpreting)

ASL 2949 Cooperative Education Training Assignment in American Sign Language, 1.0 - 4.0 sem hrs

Cooperative Education Training Assignment in American Sign Language, FA, SP, SU

ASL2140 American Sign Language I, 4.0 sem hrs

American Sign Language I introduces the fundamentals of American Sign Language (ASL) used by the Deaf Community in America. Included are basic vocabulary, grammatical syntax, fingerspelling, basic receptive listening practice and communicative competence. This course introduces basic cultural knowledge and provides an increased understanding of the Deaf Communtiy. Completion of this course helps satisfy the Daytona State College foreign language requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

ASL2150 American Sign Language II, 4.0 sem hrs

American Sign Language II continues developing American Sign Language (ASL) skills through vocabulary, proper grammatical syntax, rapid fingerspelling and basic classifiers. This course emphasizes active receptive listening skills, facial expressions, body language and spatial signs. It encourages live dialogue with Deaf individuals. This course discusses regional/ethnic sign variations and social, political and educational issues affecting the Deaf Community in America. Completion of this course helps satisfy the Daytona State College foreign language requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: SPA2612 OR ASL2140 OR SPA2612L OR ASL2140L

ASL2160 American Sign Language III, 4.0 sem hrs
American Sign Language III builds on skills learned in American Sign Language I/II, adding advanced ASL grammatical features, complex vocabulary for abstract ideas, idioms, short stories, poetry and conversational norms. This course further develops ASL receptive and expressive skills, dialogue skills, extensive use of classifiers and complex use of space. It introduces ASL linguistics with proper interpretation between ASL and English. Deaf culture and history are discussed. This course requires out-of-class interaction with the Deaf community. Completion of this course helps satisfy the Daytona State College foreign language requirements. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: SPA2613 OR ASL2150 OR ASL2150L OR SPA2613L

ASL2200 American Sign Language IV, 4.0 sem hrs
American Sign Language IV builds on skills from ASL I, II, and III, adding advanced grammatical features, complex vocabulary for abstract ideas, idioms, short stories, poetry and conversational norms. This course further develops ASL receptive and expressive skills, dialogue skills, extensive use of classifiers and complex use of space. It introduces ASL linguistics with proper interpretation between ASL and English. Deaf culture and history are discussed. This course requires out-of-class interaction with the Deaf community. Completion of this course helps satisfy the Daytona State College foreign language requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: SPA2614 OR ASL2160 OR ASL2160L OR SPA2614L

ASL2905 Directed Study in American Sign Language, 1.0 - 4.0 sem hrs
Directed Study in American Sign Language (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

AST - Astronomy

AST1002 Astronomy, 3.0 sem hrs
A survey of planetary, stellar and galactic astronomy; history of astronomy; and theories of the universe. Optional observing sessions may be held if the weather permits. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023

AST2905 Directed Study in Astronomy, 1.0 - 3.0 sem hrs
Directed Study in Astronomy FA, SP, SU

Co-Reqs: ENC1101 AND MAT1033

BCA - Building Construction (Electrical Apprenticeship)

BCA0330 Electrical Academy Union Apprentice I, 3.3 voc hrs
Course designed for electrical union apprenticeship students to apply knowledge of basic electricity, its uses and installation methods, Community First Aid & Safety, and DC Theory. FA

BCA0330L Electrical Academy Union Apprentice I Lab-OJT, 22.66 voc hrs
Course designed for electrical union apprenticeship students to apply knowledge of basic electricity, its uses and installation methods, Community First Aid & Safety, and DC Theory. FA

BCA0331 Electrical Academy Union Apprentice 2, 3.3 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in job safety and OSHA, basic wiring, perform electrical calculations, electrical equipment, recognition and use of electrical materials, and basic blueprint symbols. SP

BCA0331L Electrical Academy Union Apprentice 2 Lab-OJT, 22.66 voc hrs
Course designed for electrical union apprenticeship students to apply knowledge of job safety and OSHA, basic wiring, electrical equipment, recognition and use of electrical materials, and basic blueprint reading. SP

BCA0332L Electrical Academy Union Apprentice 3 Lab-OJT, 21.33 voc hrs
Course designed for electrical union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job. SU

BCA0333 Electrical Academy Union Apprentice 4, 3.3 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in resistors, inductors, capacitors, transformers, and vectors. FA

BCA0333L Electrical Academy Union Apprentice 4 Lab-OJT, 22.66 voc hrs
Course designed for electrical union apprenticeship students to apply knowledge of resistors, inductors, capacitors, transformers, and vectors. FA

BCA0334 Electrical Academy Union Apprentice 5, 3.3 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in AC Theory and how to relate the theory to everyday jobsite installations, How to interpret the National Electrical Code

for jobsite installations, Understanding basic Transformer operation, and CPR review. SP

BCA0334L Electrical Academy Union Apprentice 5 Lab-OJT, 22.66 voc hrs
Course designed for electrical union apprenticeship students to apply competencies in advanced electrical theory and DC and AC complex circuits and their relationship to practical applications. SP

BCA0335L Electrical Academy Union Apprentice 6 Lab-OJT, 21.33 voc hrs
Course designed for electrical union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job. SU

BCA0336 Electrical Academy Union Apprentice 7, 3.3 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in grounding and bonding of electrical equipment, the National Electrical Code book and the related theory as to how it relates to electrical installations, and how to use the proper test instruments. FA

BCA0336L Electrical Academy Union Apprentice 7 Lab-OJT, 22.66 voc hrs
Course designed for electrical union apprenticeship students to apply competencies in grounding and bonding of electrical equipment, the National Electrical Code book and the related theory as to how it relates to electrical installations, and how to use the proper test instruments. FA

BCA0337 Electrical Academy Union Apprentice 8, 3.3 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in understanding Transformers, Fire Alarm Systems, Telephone and Security Basics, and Structured Cabling Basics. SP

BCA0337L Electrical Academy Union Apprentice 8 Lab-OJT, 22.66 voc hrs
Course designed for students to apply competencies in understanding Transformers, Fire Alarm Systems, Telephone and Security Basics, and Structured Cabling Basics. SP

BCA0338 Electrical Academy Union Apprentice 9, 3.3 voc hrs
Course designed for electrical union apprenticeship students (soon to be journeyman) to develop skills required to install lightning protection, motors and motor controls. Develop an understanding of building automation control devices. Introduction to photovoltaic systems, power quality and distributed generation. SU

BCA0338L Electrical Academy Union Apprentice 9 Lab-OJT, 21.33 voc hrs
Course designed for electrical union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job. SU

BCA0339 Electrical Academy Union Apprentice 10, 3.3 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in advanced electricity, its uses and installation, methods including raceways, wiring, and electrical equipment. SU

BCA0339L Electrical Academy Union Apprentice 10 Lab-OJT, 22.66 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in utilizing the National Electrical Code in day to day electrical installations. Become familiar with the articles and sections of the NEC when preparing for the Journeyman Block Exam. Perform electrical calculations. Review Hazardous Locations. Understand general requirements for electrical installations in Health Care Facilities. SU

BCA0340L Electrical Apprentice 9 Lab-OJT (Non-Union), 21.33 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job. SU

BCA0341 Electrical Apprentice 10 (Non-Union), 3.3 voc hrs
Course designed for electrical non-union apprenticeship students to develop competencies in advanced electricity, its uses and installation, methods including raceways, wiring, and electrical equipment. FA

Conc-Reqs: BCA0341L

BCA0341L Electrical Apprentice 10 Lab-OJT (Non-Union), 22.66 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge of advanced electricity, its uses and installation, methods including raceways, wiring, and electrical equipment. FA

Conc-Reqs: BCA0341

BCA0342 Electrical Apprentice 11 (Non-Union), 3.3 voc hrs
Course designed for electrical non-union apprenticeship students to develop competencies in blue print reading, motor calculations and transformer calculations. SP

Conc-Reqs: BCA0342L

BCA0342L Electrical Apprentice II Lab-OJT (Non-Union), 22.66 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge of advanced electricity, its uses and installation, motors, motor controls, transformers, safety and effective foremanship associated with the electrical industry. SP

Conc-Reqs: BCA0342

BCA0343L Electrical Apprentice 12 Lab-OJT (Non-Union), 21.33 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job. SU

BCA0350 Electrical Apprentice I (Non-Union), 3.3 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge of basic electricity, its uses and installation methods, Community First Aid & Safety, and DC Theory. FA

Conc-Reqs: BCA0350L

BCA0350L Electrical Apprentice I Lab-OJT (Non-Union), 22.66 voc hrs

Course designed for electrical non-union apprenticeship students to apply knowledge of basic electricity, its uses and installation methods, Community First Aid & Safety, and DC Theory. FA

Conc-Reqs: BCA0350

BCA0351 Electrical Apprentice 2 (Non-Union), 3.3 voc hrs
Course designed for electrical non-union apprenticeship students to develop competencies in job safety and OSHA, basic wiring, electrical equipment, recognition and use of electrical materials, and basic blueprint symbols. SP

Conc-Reqs: BCA0351L

BCA0351L Electrical Apprentice 2 Lab-OJT (Non-Union), 22.66 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge of job safety and OSHA, basic wiring, electrical equipment, recognition and use of electrical materials, and basic blueprint reading. SP

Conc-Reqs: BCA0351

BCA0352L Electrical Apprentice 3 Lab-OJT (Non-Union), 21.33 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job. SU

BCA0353 Electrical Apprentice 4 (Non-Union), 3.3 voc hrs
Course designed for electrical non-union apprenticeship students to develop competencies in resistors, inductors, capacitors, transformers, and vectors. FA

Conc-Reqs: BCA0353L

BCA0353L Electrical Apprentice 4 Lab-OJT (Non-Union), 22.66 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge of resistors, inductors, capacitors, transformers, and vectors. FA

Conc-Reqs: BCA0353

BCA0354 Electrical Apprentice 5 (Non-Union), 3.3 voc hrs
Course designed for electrical non-union apprenticeship students to develop competencies in florescent, HID lights, and lighting calculations, breakers/fuses, panels/switchgear, voltagedrop calculations, wire pulling tension calculations, GFI operations, and CPR review. SP

Conc-Reqs: BCA0354L

BCA0354L Electrical Apprentice 5 Lab-OJT (Non-Union), 22.66 voc hrs
Course designed for electrical non-union apprenticeship students to apply competencies in advanced electrical theory and DC and AC complex circuits and their relationship to practical applications. SP

Conc-Reqs: BCA0354

BCA0355L Electrical Apprentice 6 Lab-OJT (Non-Union), 21.33 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge gained in class

related instruction and knowledge gained on-the-job. SU

BCA0356 Electrical Apprentice 7 (Non-Union), 3.3 voc hrs
Course designed for electrical non-union apprenticeship students to develop competencies in fire alarm systems, the National Electrical Code book and the related theory as to how it intertwines with the industry, basic hazardous locations, and understanding auxiliary power systems. FA

Conc-Reqs: BCA0356L

BCA0356L Electrical Apprentice 7 Lab-OJT (Non-Union), 22.66 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge of fire alarms, the National Electrical Code book and related theory as to how it intertwines with the industry, basic hazardous locations, and understanding auxiliary power systems. FA

Conc-Reqs: BCA0356

BCA0357 Electrical Apprentice 8 (Non-Union), 3.3 voc hrs
Course designed for electrical non-union apprenticeship students to develop competencies in understanding auxiliary power systems, generators, special occupancies, special equipment, and special conditions. SP

Conc-Reqs: BCA0357L

BCA0357L Electrical Apprentice 8 Lab-OJT (Non-Union), 22.66 voc hrs
Course designed for electrical non-union apprenticeship students to apply knowledge of auxiliary power systems, generators, special occupancies, special equipment, and special conditions. SP

Conc-Reqs: BCA0357

BCA0390 Electrical Academy Union Apprentice 11, 3.3 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in utilizing the National Electrical Code in day to day electrical installations. Become familiar with the articles and sections of the NEC when preparing for the Journeyman Block Exam. Perform electrical calculations. Review Hazardous Locations. Understand general requirements for electrical installations in Health Care Facilities. SP

BCA0390L Electrical Academy Union Apprentice 11 Lab-OJT, 22.66 voc hrs
Course designed for electrical union apprenticeship students to develop competencies in utilizing the National Electrical Code in day to day electrical installations. Become familiar with the articles and sections of the NEC when preparing for the Journeyman Block Exam. Perform electrical calculations. Review Hazardous Locations. Understand general requirements for electrical installations in Health Care Facilities. SP

BCA0391 Electrical Academy Union Apprentice 12, 3.3 voc hrs
Course designed for electrical union apprenticehship students to develop competencies in utilizing the National Electrical Code in day to day electrical installations. Become familiar with the articles and sections of the NEC when preparing for the Journeyman Block Exam. Perform electrical calculations. Review Hazardous Locations. Understand general requirements for electrical installations in Health

Care Facilities. SU

BCA0391L Electrical Academy Union Apprentice 12 Lab-OJT, 21.33 voc hrs
Course designed for electrical union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job. SU

BCH - Biochemistry

BCH3023 Biochemistry I, 3.0 sem hrs
Survey of the fundamental components of biochemistry. 3 hours lecture and 3 hours lab. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: CHM1046L
Conc-Reqs: BCH3023L

BCH3023L Biochemistry I Lab, 1.0 sem hrs
Lab portion: Survey of the fundamental components of biochemistry. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: CHM1046 AND CHM1046L
Conc-Reqs: BCH3023
Lab Fees: $100.00

BCN - Building Construction

BCN1210 Materials and Processes, 3.0 sem hrs
Applications and characteristics, both physical and chemical, of materials commonly used in construction and mechanical processes by which materials may be shaped or formed. FA, SP

BCN1251 Architectural Drawing I, 2.0 sem hrs
Fundamentals of construction drafting, includeng basic components of construction. Development of working drawings including plans, elevations and sections using wood and construction in accordance with building code requirements. FA, SP, SU

Conc-Reqs: BCN1251L

BCN1251L Architectural Drawing I Lab, 1.0 sem hrs
Fundamentals of construction drafting, includeng basic components of construction. Development of working drawings including plans, elevations and sections using wood and construction in accordance with building code requirements. FA, SP, SU

Conc-Reqs: BCN1251

BCN1253 Architectural Drawing II, 2.0 sem hrs
Intermediate principles of architectural drawing, space utilization, visual design and perspective. SP, SU

Pre-Reqs: BCN1251

Conc-Reqs: BCN1253L

BCN1253L Architectural Drawing II Lab, 1.0 sem hrs
Intermediate principles of architectural drawing, space utilization, visual design and perspective. SP, SU

Conc-Reqs: BCN1253

BCN2257 Architectural Detailing, 2.0 sem hrs
Architectural detailing of steel, wood and concrete systems used in light construction. SP

Conc-Reqs: BCN2257L

BCN2257L Architectural Detailing Lab, 1.0 sem hrs
Architectural detailing of steel, wood and concrete systems used in light construction. SP

Conc-Reqs: BCN2257

BCN2560 Mechanical and Electrical Equipment, 3.0 sem hrs
The study of heating, air conditioning, water supply, sanitation and electrical service and their installation. Design methods along with the operation of equipment and controls is also included. SP

BCN2905 Directed Study in Construction, 1.0 - 4.0 sem hrs
Directed Study in Construction FA, SP, SU

BCT - Building Construction

BCT1040 Blueprint Reading, 3.0 sem hrs
This class is a survey of the various types of drawings and other documents commonly used in the construction industry. It includes topics such as: terminology, abbreviations, symbols, notations, scales, dimensions, meanings of lines, drawing history, technical and orthographic projections, types of construction, and trade information. This class reinforces the skills of reading, writing and mathematics. FA, SP

BCT2949 Cooperative Education Experience in Construction, 1.0 - 4.0 sem hrs
(Prerequisite: 12 semester hours of approved Building and Architecture Technology courses and permission of the Building and Architecture Technology chairperson.) FA, SP, SU Course does not show up in regular catalog schedule until you are registered. You are not officially registered until you have completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. Required to complete 80-320 program contact hours in the field based on program 1-4 credit hour course requirement. (Average of 12-15 hours a week at an employer worksite) 1credit=80 contact hrs. 2credits=160 contact hrs. 3credits=240 contact hrs. 4credits=320 contact hrs. To register contact the Chairperson of your Department, or Cheryl Miller - Work Experience Coordinator millerc@DaytonaState.edu 386-506-4143 - Technology Campus

BCT2990 Technical Training, 23.0 sem hrs
Students must have completed an appropriate apprenticeship or certificate program of 700 contact hours

or equivalent with a GPA of 2.0 or better. Demonstrated work experience with supporting documentation equivalent to an apprenticeship or certificate may be acceptable. The certificate or apprenticeship program will be evaluated. If accepted, credit will be awarded.

BOT - Botany

BOT1010 General Botany, 3.0 sem hrs
General principles of the structural organization and function of plants emphasizing cellular structure and physiology, anatomy, genetics, growth and diversity of plants. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101
Conc-Reqs: BOT1010L

BOT1010L General Botany Lab, 1.0 sem hrs
General principles of the structural organization and function of plants emphasizing cellular structure and physiology, anatomy, genetics, growth and diversity of plants. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101
Conc-Reqs: BOT1010
Lab Fees: $48.00

BOT3151 Flora of Central Florida, 3.0 sem hrs
Identification and natural history of the plants of Florida's coastal wetlands. Field and laboratory work in collection and preservation. Will involve field trips to sites in Volusia and Flagler Counties. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: BSC1010 AND BOT1010
Lab Fees: $83.00

BSC - Biological Science

BSC1005 Survey of Biological Sciences (For Non-Science Majors), 3.0 sem hrs
A survey of topics in biology designed to meet the informational needs of the non-scientist. Coverage of topics in molecular, cellular, organismal and population biology is included. Pre or Co-requisite ENC1101 (Not intended for science, engineering or pre-professional health-related majors.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

BSC1005L Survey of Biological Science (For Non-Science Majors) Lab, 1.0 sem hrs
The laboratory consists of observation, demonstration and experiments which correlate with the lecture. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101 AND BSC1005
Lab Fees: $40.00

BSC1010 General Biology I (For Science Majors), 3.0 sem hrs

Basic principles, which apply to the nature of plant and animal cells, including metabolism, reproduction, protein synthesis and genetics. Designed for Science majors. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023
Conc-Reqs: BSC1010L

BSC1010L General Biology I (For Science Majors) Lab, 1.0 sem hrs
Mandatory laboratory portion covering basic principles, which apply to the nature of plant and animal cells, including metabolism, reproduction, protein synthesis and genetics. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: BSC1010
Lab Fees: $53.00

BSC1011 General Biology II (For Science Majors), 3.0 sem hrs
A survey of the evolution, morphology, physiology and ecology of the five kingdoms of living organisms. Designed for science majors. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: BSC1010 OR BSC1010C
Conc-Reqs: BSC1011L

BSC1011L General Biology II (For Science Majors) Lab, 1.0 sem hrs
Mandatory laboratory portion of BSC1011. A survey of the evolution, morphology, physiology and ecology of the five kingdoms of living organisms. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: BSC1010C OR BSC1010
Conc-Reqs: BSC1011
Lab Fees: $53.00

BSC1020 Human Biology, 3.0 sem hrs
This course provides an introduction to scientific inquiry in relationship to the human body, its systems and basic functions with emphasis on homeostasis mechanisms. Not intended for science majors. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

BSC1080 Basic Anatomy and Physiology for Health Careers, 3.0 sem hrs
This course guides the student in the exploration of the structure and function of the various systems of the human body as applied to certificate health programs. During the course students will explore the Internet, utilize course discussions and course mail and engage in activities, which will enable students to build a sound knowledge base that will prepare them for further studies in a variety of health care professions. Topics we will examine during the course include all of the systems of the body. This course cannnot be applied to the A.A. degree. FA, SP, SU

BSC1085 Human Anatomy and Physiology I, 3.0 sem hrs

Structure and function of the integumentary, skeletal, muscular and nervous systems of the human body. Course also will cover basic cytology and histology. This course is designed for students in health professions. A background in biology and chemistry strongly recommended. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023
Conc-Reqs: BSC1085L

BSC1085L Human Anatomy and Physiology I Lab, 1.0 sem hrs

Mandatory laboratory portion of BSC1085 covering the structure and function of the integumentary, skeletal, muscular and nervous systems of the human body. This course is designed for students in health professions. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101
Conc-Reqs: BSC1085
Lab Fees: $70.00

BSC1086 Human Anatomy and Physiology II, 3.0 sem hrs

A continuation of BSC 1085. This course covers the structure and function of the digestive, urinary, respiratory, endocrine, circulatory and reproductive systems. This course is designed for students in health professions. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: BSC1085
Conc-Reqs: BSC1086L

BSC1086L Human Anatomy and Physiology Lab, 1.0 sem hrs

Mandatory laboratory portion of BSC1086 covering the structure and function of the autonomic nervous system, digestive, urinary, respiratory, endocrine, circulatory and reproductive systems. This course is designed for students in health professions. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: BSC1086
Lab Fees: $73.00

BSC2905 Directed Study in Biological Sciences, 1.0 - 4.0 sem hrs

Directed Study in Biological Science (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

BSC2930 Biological Themes in Film, 3.0 sem hrs

An introductory course in general biology exploring the major themes of biology by analyzing their applications in science fiction films. Topics include biotechnology, evolution, conservation, and biomedical ethics. This course satisfies the General Education requirement for Biological Science. This course cannot be substituted for BSC 1010 and BSC 1011. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

BUL - Business Law

BUL2241 Business Law I, 3.0 sem hrs

An introduction to judicial procedures that include legal rights and social forces; government, business, and society; ethics and contracts. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

BUL2242 Business Law II, 3.0 sem hrs

Continuation of Business Law I (BUL 2241). Reflects current thinking and recent changes in the law. Examines the Uniform Commercial Code, creditor's rights, agency, employment partnership, corporations, and special ventures. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

BUL3130 Legal, Ethical, and Social Aspects of Business, 3.0 sem hrs

This course explores the nature of legal, ethical, and societal environments of business. Emphasis is placed on business's social, legal, political, and ethical responsibilities to both external and internal groups in business. Topics include corporate social responsibility, legal, political and ethical aspects of business, state and federal laws, contracts, intellectual property, employment law, product liability, safety issues, and environmental regulation. PR: Junior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

BUL3905 Directed Study in Legal, Ethical and Social Aspects of Business, 1.0 - 4.0 sem hrs

Directed Study in Legal, Ethical & Social Aspects of Business. FA, SP, SU

CAP - Computer Science
CCJ - Criminal Justice
CEN - Computer Science
CET - Computer Electronic Technology
CGS - Computer Science
CHD - Early Childhood Education
CHM - Chemistry
CIS - Computer Science
CJC - Criminal Justice
CJE - Criminal Justice
CJJ - Criminal Justice
CJK - Criminal Justice
CJT - Criminal Justice
CLP - Psychology
CNT - Computer Networking
COP - Computer Science
COS - Cosmetology
CPO - Political Science
CRW - English Language and Literature
CTS - Computer Science

CAP - Computer Science

CAP1801 Simulation Fundamentals, 3.0 sem hrs

This is an introductory course in simulation technology. Students will learn the basic concepts in safety and housekeeping, basic sim-related software and hardware, instrumentation, documentation, and publications as related to the simulation industry. FA

Lab Fees: $20.00

CAP2023 Introduction to Game Programming, 3.0 sem hrs

During this course student will complete a ready-to-play, 3D animated game. This is a fast-paced, hands-on class to introduce the student to programming essentials, scripting, networking, GUI, textures, skins and 3D math. Students program clients and server modules; users interface; model and animate 3D characters, vehicles, terrains, and environments; program sound and music; and finally play test the finished game. FA, SP, SU

Pre-Reqs: COP1000

CAP2804 Advanced Simulation Systems, 4.0 sem hrs

The student will build on basic knowledge of simulator systems and operations gained in Simulation Fundamentals. Evaluation of simulator performance in comparison to requirements with consideration of government and manufacturing standards and statement of work documentation is included. Overall alignment procedures will also be covered. SP

CAP2905 Directed Study in Simulation and Robotics, 1.0 - 4.0 sem hrs

Directed Study in Simulation and Robotics. FA, SP, SU

CAP2949 Cooperative Education Experience in Simulation and Robotics, 1.0 - 4.0 sem hrs

(Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer

Science chairperson.) FA, SP, SU Course does not show up in regular catalog schedule until you are registered. You are not officially registered until you have completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. Required to complete 80-320 program contact hours in the field based on program 1-4 credit hour course requirement. (Average of 12-15 hours a week at an employer worksite) 1credit=80 contact hrs. 2credits=160 contact hrs. 3credits=240 contact hrs. 4credits=320 contact hrs. To register contact the Chairperson of your Department, or Cheryl Miller - Work Experience Coordinator millerc@DaytonaState.edu 386-506-4143 - Technology Campus

CCJ - Criminal Justice

CCJ1010 Introduction to Criminology, 3.0 sem hrs
Survey of the social origins of criminal law, the administration of criminal justice, the causes of criminal behavior and the prevention and control of crime. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

CCJ1020 Introduction to Criminal Justice, 3.0 sem hrs
Exposure to the philosophical and historical background of criminal justice agencies and evaluation of their purpose, functions and contemporary problems. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

CCJ2647 Organized Crime, 3.0 sem hrs
An examination of organized crime, including structures, histories and activities, and issues of surrounding efforts to define and control it. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

CCJ2949 Cooperative Education Experience in Criminal Justice, 3.0 sem hrs
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

CEN - Computer Science

CEN2002 Software Design and Development I, 3.0 sem hrs
This course deals with the techniques used in analysis, design, and development of computer system software through data flow analysis and system development life cycle including traditional (and object) analysis, requirements analysis, specification, systems design, implementation, and maintenance. SP

CET - Computer Electronic Technology

CET1112 Digital Fundamentals, 3.0 sem hrs
First course in digital theory covers number systems, including binary, octal, hexadecimal and decimal. Also includes logic gates, Boolean algebra, decoders, flip-flops, counters and programmable logic devices. FA, SP

Conc-Reqs: CET1112L

CET1112L Digital Fundamentals Lab, 1.0 sem hrs
First course in digital theory covers number systems, including binary, octal, hexadecimal and decimal. Also includes logic gates, Boolean algebra, decoders, flip-flops, counters and programmable logic devices. FA, SP

Conc-Reqs: CET1112
Lab Fees: $20.00

CET1178 A+:Computer Hardware, 2.0 sem hrs
Designed to teach the fundamentals needed to perform board-level servicing of desktop computers systems. Also covers how the hardware used in the computer works and interacts with other hardware. Introduces how printers work and basic troubleshooting procedures used with printers. Also introduces to other computing devices such as Notebook Computers and PDAs. This course prepares students for the core A+ Exam. FA, SP

Conc-Reqs: CET1178L

CET1178L A+:Computer Hardware Lab, 1.0 sem hrs
Designed to teach the fundamentals needed to perform board-level servicing of desktop computers systems. Also covers how the hardware used in the computer works and interacts with other hardware. Introduces how printers work and basic troubleshooting procedures used with printers. Also introduces to other computing devices such as Notebook Computers and PDAs. This course prepares students for the core A+ Exam. FA, SP

Conc-Reqs: CET1178

CET1600 Network Plus, 4.0 sem hrs
Basic concepts of network communication using the OSI model. Media, access protocols, routing, reliability, network services. Concepts of routing on an internet work. Prepares students for Network Plus certification exam. FA, SP

Lab Fees: $20.00

CET2123 Microcomputer and Basic Digital Communications, 3.0 sem hrs
T h is course includes the architectural study of a microprocessor with its bus system and instruction set. An introduction to the principles of digital communications is also included in this course. FA, SP

Pre-Reqs: CET1112
Conc-Reqs: CET2123L

CET2123L Microcomputer and Basic Digital Communications Lab, 1.0 sem hrs
T h is course includes the architectural study of a microprocessor with its bus system and instruction set. An introduction to the principles of digital communications is also included in this course. FA, SP

Pre-Reqs: CET1112L
Conc-Reqs: CET2123
Lab Fees: $10.00

CET2124 Microcomputer Technology I, 3.0 sem hrs
High level programming language ,Microcomputer assembly programming, Including overview of

architecture and operating system environment.

CET2154 A+:Computer Operating Systems, 4.0 sem hrs

Designed to teach the fundamentals needed to perform assembly, upgrading, and servicing of PC hardware and operating systems. Covers the basic installation and function of current operating systems, multi-boot and maintenance utilities. Also introduces handheld devices such as notebooks, tablets, and PDAs. Course uses hands-on approach to learning, along with on-line content and A+ certified text to prepare students for the A+ exams. FA, SP, SU.

Lab Fees: $20.00

CET2615 Advanced Cisco Router Configuration, 4.0 sem hrs

A d v a n c e d techniques in configuration of Cisco routers in Internet works, including utilization of configuration files downloaded from a TFTP server, employing advanced Cisco IOS EXEC commands. FA, SP

Pre-Reqs: CET1600

CET2620 Cisco Wide Area Network (WAN), 4.0 sem hrs

Routing WAN services and encapsulation, WAN design, PPP operation and authentication, ISDN capabilities and configuration, Frame Relay, subinterfaces and configuration. CCNA 640-607 certification exam. FA, SP

Pre-Reqs: CET2615

CET2625 Building Scalable Cisco Internetworks, 4.0 sem hrs

The Building Scalable Cisco Internetworks (BSCI) course focuses on using Cisco routers connected in LANs and WANs typically found at medium to large network sites. Upon completion of this training course, students will be able to select and implement the appropriate Cisco IOS services required to build a scalable, routed network. BSCI is part of the recommended training path for those students seeking the Cisco Certified Network Professional (CCNP) and Cisco Certified Design Professional (CCDP). FA

Pre-Reqs: CET2615

CET2626 Building Cisco Remote Access Networks, 4.0 sem hrs

In the Building Scalable Remote Access Networks (BSRAN) course, students learn how to build, configure and troubleshoot a remote access network to interconnect central sites to branch offices and home offices. Students also learn how to control access to the central site, as well as to maximize bandwidth utilization over the remote links. BSRAN is part of the recommended training path for those students seeking the Cisco Certified Network Professional (CCNP), Cisco Certified Design Professional (CCDP), and Cisco Certified Internetwork Expert (CCIE) certifications. SP

Pre-Reqs: CET2615

CET2660 Fundamentals of Network Security, 4.0 sem hrs

This course introduces the student to the concepts and methods of securing a computer network. The course includes general security concepts, legal aspects of computer crime, cyber-crime culture, viruses, types of attack, communications security, cryptology, access control, firewalls, intrusion detection and disaster preparedness. This course prepares the student for the CompTIA Security+ certification. Students must have a thorough knowledge of TCP/IP prior to enrolling. FA, SP

Pre-Reqs: CET1600 AND CTS2321

CET2850 Wireless Networking, 4.0 sem hrs

Site survey, installation, configuration, and troubleshooting of Wireless Local Area Networks. Basic RF and antenna theory. FA, SP

Pre-Reqs: CET1600

CET2949 Cooperative Education Experience in Computer Engineering Technology, 1.0 - 4.0 sem hrs

(Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) FA, SP, SU Course does not show up in regular catalog schedule until you are registered. You are not officially registered until you have completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. Required to complete 80-320 program contact hours in the field based on program 1-4 credit hour course requirement. (Average of 12-15 hours a week at an employer worksite) 1credit=80 contact hrs. 2credits=160 contact hrs. 3credits=240 contact hrs. 4credits=320 contact hrs. To register contact the Chairperson of your Department, or Cheryl Miller - Work Experience Coordinator millerc@DaytonaState.edu 386-506-4143 - Technology Campus

CET3010 Introduction to Information Technology, 3.0 sem hrs

An introduction to how information drives the business enterprise, how information technologies support business processes and how business, IT and information are managed in modern enterprises.(FA, SP, SU)

Pre-Reqs: ENC1101

CET3116 Digital Technology, 4.0 sem hrs

Class provide Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic.

Pre-Reqs: MAC1105

CET3198 Digital Systems, 2.0 sem hrs

Finite State Machines and Algorithmic State Machines; includes design, synthesis and implementation of a digital system using schematic capture and VHDL. FA

Pre-Reqs: CET3116
Conc-Reqs: CET3198L

CET3198L Digital Systems Lab, 1.0 sem hrs

Hands on lab component for; Finite State Machines and Algorithmic State Machines,includes design, synthesis and implementation of a digital syatem using schematic capture and VHDL. FA

Conc-Reqs: CET3198

CET3383 Software Engineering I, 3.0 sem hrs

Study of system analysis, design, development, and implementation cycle. Includes Object Orientated programming (OOP) to implement system programs.

Pre-Reqs: COP2800 OR COP2001 OR COP2220

CET3679 Telecommunications I, 3.0 sem hrs

An introductory level course in telephony technology. The telephony environment, telemanagement, telephony, connectivity, and services of telephony. FA, SU

Pre-Reqs: EET1011 OR EET3086 OR EET3085

CET4134 Microprocessor Electronics II, 2.0 sem hrs

Detailed discussion of MC68000 Software architecture programming and hardware architecture. Additionally,assembly language programming interfacing and hardware are discussed. SU

Conc-Reqs: CET4134L

CET4134L Microprocessor Electronics II Lab, 1.0 sem hrs

Lab component supporting lecture in discussion of MC68000 Software architecture programming and hardware architecture. Additionally,assembly language programming interfacing and hardware are discussed. SU

Conc-Reqs: CET4134

CET4138 Programmable Digital Devices, 2.0 sem hrs

Architecture and applications of various types of programmable logic devices. Design entry, methods, e.g. HDL, schematic capture, etc. Lab exercises using PALS, PLDs, and FPGS. SU

Pre-Reqs: CET3198
Conc-Reqs: CET4138L

CET4138L Programmable Digital Devices Lab, 1.0 sem hrs

Lab component supporting lecture of ;Architecture and applications of various types of programmable logic devices. Design entry, methods, e.g. HDL, schematic capture, etc. Lab exercises using PALS, PLDs, and FPGS. SU

Conc-Reqs: CET4138

CET4333 Computer Organization and Design, 3.0 sem hrs

Basic computer systems design and architecture. An introduction to design of computer memories, CPU s, I/O devices, buses, and addressing schemes. SP

Pre-Reqs: CET1112 OR CET3116

CET4483 Telecommunications II, 3.0 sem hrs

An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. FA, SP

Pre-Reqs: EET3086 OR EET1011 OR EET3085

CET4505 Operating Systems I, 3.0 sem hrs

Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry

Pre-Reqs: COP2800 OR COP2001 OR COP2220

CET4663 Computer and Network Security, 3.0 sem hrs

Course covers tools and techniques for securing computers and networks. Topics include: risk analysis and management, methods of authentication and auditing, TCP/IP, identifying network attacks using packet captures, firewalls, cryptography, and network/host-based intrusion detection systems. This is a hands-on course that requires prior knowledge of computers, networking principles and Linux.

Pre-Reqs: CET2660 AND CTS3348 OR CET1178 AND CET2154

CET4668 Practice of Information Security, 3.0 sem hrs

Practice of Information Security including technical security issues, legal issues, physical and operational security, and security,architecture and models.

Pre-Reqs: CET4663 AND CET4884

CET4748 Telecommunications III, 3.0 sem hrs

Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results.

Pre-Reqs: CET4483

CET4860 Introduction to Digital Forensics, 3.0 sem hrs

Topics will include; forenisc process; forensic duplication; authentication; file recovery; file systems; FAT file system; digital artifacts, and various digital forensic tools.

Pre-Reqs: CET4663 OR CET4884 OR CET1178 AND CTS2321 AND CET1600 AND CET2154

CET4861 Advanced Digital Forensics, 3.0 sem hrs

Course covers identification, recovery, and analysis of forensic artifacts on computer systems. Topics include forensic process, file systems, operating system (Windows/UNIX) artifacts, and recovery and analysis of application artifacts. This is a hands-on course that requires prior knowledge of computer systems and Linux.

Pre-Reqs: CET4860 OR CET4885

CET4862 Network Forensics and Incident Response, 3.0 sem hrs

Course covers identification, recovering and analysis of forensic artifacts from computer and network intrusions. Topics include: incident handling, malware analysis, identifying and recovering evidence of intrusions, and identifying network-based attacks. This is a hands-on course that requires prior knowledge of networking and Linux.

Pre-Reqs: CET4860 OR CET4885

CET4884 Security Methods and Practice, 3.0 sem hrs

An introduction to the fundamentals of how an enterprise's information, technology, facilities and people are protected. This includes business, legal, human resources and technology issues.

Pre-Reqs: CET3010 AND CET4663

CET4885 Digital Forensics for Information Security, 3.0 sem hrs

This course will provide students with the fundamental principles of digital forensics with an emphasis on the skills needed by information security professionals.

Pre-Reqs: CET4663 OR CET4884

CGS - Computer Science

CGS1002 Introduction to Microcomputer Operations, 1.0 sem hrs

This is an introductory hands-on course that teaches the essentials of using the Windows Operating System. Emphasis on the use and management of the explorer, the taskbar, the desktop and menus, online help, disk tools and accessories. SP

CGS1060 Basic Computer Concepts, 2.0 sem hrs

This course is intended for first time computer users and concentrates on basic computer literacy. Students completing this course will have a concrete understanding of how to use a personal computer, manage computer files, use the Windows operating system and its various tools, send and receive e-mail and utilize the Internet to access information. Furthermore, the student will receive hands on experience with word processing, spreadsheet, presentation and other application programs. The course will be composed of classroom lectures together with hands-on computer exercises. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: CGS1060L

CGS1060L Basic Computer Concepts Lab, 1.0 sem hrs

This course is intended for first time computer users and concentrates on basic computer literacy. Students completing this course will have a concrete understanding of how to use a personal computer, manage computer files, use the Windows operating system and its various tools, send and receive e-mail and utilize the Internet to access information. Furthermore, the student will receive hands on experience with word processing, spreadsheet, presentation and other application programs. The course will be composed of classroom lectures together with hands-on computer exercises. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: CGS1060

CGS1570 Introduction to Computer Applications, 1.0 sem hrs

This is a short introductory course, which introduces students to word processing, spreadsheets, database and presentation software. Students participate in hands-on activities using these software applications. FA, SP

CGS2100 Microcomputer Applications, 3.0 sem hrs

An introduction to computer operations including Windows operating system, e-mail, internet, and the use of software packages, including word processing, spreadsheets, data base management and presentation software. **This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.** FA, SP, SU

CGS2512 Advanced Computer Spreadsheets and Graphics Presentations, 3.0 sem hrs

This course examines advanced spreadsheet techniques such as functions, formula development, what-if tables, and logic functions. Also covered is the planning and development of graphics presentations using animation, sound, charts, and narration. FA

Pre-Reqs: CGS2100

CGS2820 Web Programming (JavaScript, Ajax, ASP.Net), 3.0 sem hrs

This project-based course deals with a variety of web design tools used to access, design, and develop web sites. The students will be trained in techniques for creation and implementation of well-designed Dynamic Web sites using a design tool and a client side scripting language like JavaScript, Ajax, and server side technique with ASP.Net. FA, SP

Co-Reqs: COP1000
Pre-Reqs: CTS1851

CGS2821 Advanced Web Programming (XML, ASP.Net, SQL Server), 3.0 sem hrs

This course continues the participants development of skills using advanced web design techniques. Students will gain hands-on experience in creating and applying XML documents to web pages; understand XML mechanics and applications; manage XML data with ASP.Net and SQL Server programming. FA

Pre-Reqs: COP1000 AND CTS1851

CGS2840 Secure Electronic Commerce, 4.0 sem hrs

The student will learn about the history, present, and future of electronic commerce in the world. The student will also learn about the threats, vulnerabilities and policies when dealing with commerce in the electronic age. SP

Pre-Reqs: CET1600

CGS2905 Directed Study in Computer Software Applications, 1.0 - 4.0 sem hrs

Directed Study in Computer Software Applications FA, SP, SU

CHD - Early Childhood Education

CHD1104 Introduction to Early Childhood Education I, 3.0 sem hrs

This course is designed to introduce the student to the field of Child Development and Education, with an emphasis on the historical, philosophical, psychological and sociological foundations of Early Childhood Education. FA

Lab Fees: $6.00

CHD1220 Child Growth and Development, 3.0 sem hrs

A study of the interplay of biological factors, human interaction, social structure and cultural forces involved in shaping the growing child. FA, SP

CHD1430 Observation, Recording and Assessment, 3.0 sem hrs

This course covers techniques for observing, recording and assessing the behavior of young children. SU

CHD1820 Introduction to Early Childhood Education II, 3.0 sem hrs

An overview of facilities, equipment, program planning and family involvement, using educational objectives and lesson plans in the preschool. Includes field experiences. SP

Lab Fees: $6.00

CHD2320 Curriculum Planning for Early Childhood, 3.0 sem hrs

A course designed to study and develop competencies in lesson planning, curriculum design, record keeping, diagnostic/evaluative procedures and teaching techniques using preschool settings. This course is intended to meet one of the educational requirements for the Advanced Level Child Care and Education Administrator Credential as defined by the state of Florida. SU

CHD2333 Creative Activities for the Young Child, 3.0 sem hrs

Designed to develop competencies in planning and supervising creative activities and to provide students with skills acquisition necessary to develop and adapt learning materials for the young child. FA

Lab Fees: $23.00

CHD2334 Language Arts for the Young Child, 3.0 sem hrs

A course covering skills and concepts required by teachers of young children to plan developmentally appropriate activities in language development, reading readiness and storytelling. SP

CHD2335 Music and Motor Activities for the Young Child, 3.0 sem hrs

Designed to teach the value of musical and physical activities in the childs life and ways to incorporate musical and motor activities in creative learning experience in the preschool. SP

CHD2338 Math and Science for the Young Child, 3.0 sem hrs

A course covering the skills and concepts required by teachers of young children to plan developmentally appropriate activities in math, safety, science and food experience. FA

CHD2440 Child Development Practicum, 6.0 sem hrs

The course is designed to provide students with a supervised internship in a selected educational program for young children. (Prerequisite: Permission of chairperson.) Lab fee: $3. SU

Lab Fees: $10.00

CHD2801 Child Development Management, 3.0 sem hrs

Child care management course covering director responsibilities in implementing and administering an early childhood program, staff selection and supervision and financially managing the program. This course is intended to meet the educational requirements for the foundational-level child care and Educational Administrator Credential as defined by the state of Florida, and can be used toward the advanced level of the credential. FA

CHD2905 Directed Study in Child Development, 2.0 - 6.0 sem hrs

Directed Study in Child Development. FA, SP, SU

CHD2930 Special Topics in Early Childhood, 1.0 sem hrs

This course provides an overview of the roles and requirements of various children care professionals. SP

CHD2949 Cooperative Education Experience in Child Development, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Child Development FA, SP, SU

CHM - Chemistry

CHM1025 Introductory to Chemistry, 3.0 sem hrs

Survey of modern chemistry, designed particularly for those with little or no chemistry background or for those needing an overview of chemistry. May also be used as a preliminary to CHM 1045/1045L. Three-hour lecture, one-hour recitation/ laboratory (CHM1025L). *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101 AND MAT1033 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2107 OR MGF2106
Conc-Reqs: CHM1025L

CHM1025L Introduction to Chemistry Lab, 1.0 sem hrs

One hour laboratory/recitaition portion of Survey of modern chemistry, designed particularly for those with little or no chemistry background or for those needing an overview of chemistry. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: CHM1025
Lab Fees: $54.00

CHM1045 General College Chemistry I, 3.0 sem hrs

Fundamental laws and theories of chemistry and related laboratory experiments. Designed for students majoring in science. Three-hour lecture, three-hour laboratory. (Prerequisites or corequisites: ENC 1101 and MAC 1105 and satisfactory completion of CHM 1025/1025L or evidence of satisfactory achievement in high school chemistry.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101 AND MAC1105 OR MAP2302 OR MAC1114 OR MAC2312 OR STA2023 OR MAC1140 OR MAC2311 OR MAC2313 OR MAC2233
Pre-Reqs: CHM1025
Conc-Reqs: CHM1045L

CHM1045L General College Chemistry I Lab, 1.0 sem hrs

Mandatory Laboratory portion of CHM1045. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,SP,SU

Conc-Reqs: CHM1045
Lab Fees: $74.00

CHM1046 General College Chemistry II, 3.0 sem hrs

Continuation of CHM 1045/1045L. Three-hour lecture, three-hour laboratory. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: CHM1045 OR CHM1045C
Conc-Reqs: CHM1046L

CHM1046L General College Chemistry II Lab, 1.0 sem hrs

Mandatory laboratory portion of CHM1045. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: CHM1045C OR CHM1045
Conc-Reqs: CHM1046
Lab Fees: $74.00

CHM2210 Organic Chemistry, 3.0 sem hrs

The first semester of the CHM 2210/2210L - 2211C/2211L sequence. A study of the structure, synthesis and reactions of organic compounds. Three-hour lecture, three-hour laboratory. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*FA

Pre-Reqs: CHM1046 OR CHM1046C
Conc-Reqs: CHM2210L

CHM2210L Organic Chemistry Lab, 1.0 sem hrs

Mandatory three hour laboratory portion of CHM2210/2210L. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: CHM1046C OR CHM1046
Conc-Reqs: CHM2210
Lab Fees: $74.00

CHM2211 Organic Chemistry II, 3.0 sem hrs

Continuation of CHM 2210/2210L. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP,

Pre-Reqs: CHM2210 OR CHM2210C
Conc-Reqs: CHM2211L

CHM2211L Organic Chemistry II Lab, 1.0 sem hrs

Mandatory three hour laboratory portion of CHM2211. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP, SU

Pre-Reqs: CHM2210C OR CHM2210
Conc-Reqs: CHM2211
Lab Fees: $74.00

CHM2905 Directed Study in Chemistry, 1.0 - 4.0 sem hrs

Directed Study in Chemistry (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

CHM3085 Environmental Chemistry, 3.0 sem hrs

The study of the basic concepts of organic and inorganic chemistry in the context of applications to the environmental issues of water quality, atmospheric pollution, sustainable agricultural practices, and environmental risks to human health in an integrated environment of lectures and field experiences. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: CHM2211 AND CHM2211L

CHM3120 Quantitative Analysis, 3.0 sem hrs

The principles and laboratory techniques of quantitative analytical methods, with emphasis on problem solving and choice of analytical methods. *This course will help satisfy the graduation requirements of*

the Associate of Arts (A.A.) degree. SU

Pre-Reqs: CHM1046 OR CHM1046C
Conc-Reqs: CHM3120L

CHM3120L Quantitative Analysis Lab, 1.0 sem hrs

Mandatory three hour laboratory component of CHM 3120. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SU

Pre-Reqs: CHM1046C OR CHM1046
Conc-Reqs: CHM3120
Lab Fees: $100.00

CIS - Computer Science

CIS2350 Principles of Information Assurance, 3.0 sem hrs

This course introduces the student to basic security principles. Students will gain an understanding of the current threats and vulnerabilities in the cyber landscape, plus other topics relating to the information assurance field. FA, SP

Pre-Reqs: CET1600

CIS2381 Foundations of Digital Forensics, 4.0 sem hrs

Digital forensics is the application of traditional forensic science principles and practices to the problem of electronically stored evidence. Students will receive an overview of the principles and practices of this emerging discipline to include the acquisition, examination and analysis of electronic evidence. FA, SP

Pre-Reqs: CTS2321 AND CET1600

CIS2905 Directed Study in Computer and Information Systems, 4.0 sem hrs

Independent individual or team studies, projects and practical in computer and information sciences under the direction of the Computer Science faculty. Specific content to be arranged. May be repeated with change of content. (Prerequisite: Permission of chairperson.) FA, SP, SU

CIS2935 Computer Science Seminar, 1.0 sem hrs

Discussion of computer programming work experience and special topics in computer science. (Prerequisite: permission of chairperson.) FA, SP, SU

CIS2949 Cooperative Education Experience in Computer and Information Systems, 1.0 - 4.0 sem hrs

(Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) FA, SP, SU Course does not show up in regular catalog schedule until you are registered. You are not officially registered until you have completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. Required to complete 80-320 program contact hours in the field based on program 1-4 credit hour course requirement. (Average of 12-15 hours a week at an employer worksite) 1credit=80 contact hrs. 2credits=160 contact hrs. 3credits=240 contact hrs. 4credits=320 contact hrs. To register contact the Chairperson of your Department, or Cheryl Miller - Work Experience Coordinator millerc@DaytonaState.edu 386-506-4143 - Technology Campus

CJC - Criminal Justice

CJC1000 Introduction to Corrections, 3.0 sem hrs
A lecture/discussion of the organization and functions of corrections within the criminal justice system emphasizing the evolution of corrections for the rehabilitation of offenders. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

CJE - Criminal Justice

CJE1670 Crime Scene Investigation, 3.0 sem hrs
This course strives to depict the role of the forensic scientist in the criminal justice system. This course is designed for the non-scientific student. The course is a classroom introduction to the world of forensic science that includes Internet application, ability and limitations of the modern crime laboratory. Forensic science begins at the crime scene. If an investigator cannot recognize, collect, and package evidence properly, no amount of equipment or expertise in the laboratory will salvage the situation. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

CJJ - Criminal Justice

CJJ2002 Juvenile Delinquency, 3.0 sem hrs
Study of the juvenile justice system emphasizing definitions, causes, prevention, control of juvenile delinquency and rehabilitation of the delinquent youth. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

CJK - Criminal Justice

CJK0007 Introduction to Law Enforcement, 0.37 voc hrs
This course provides the student with an overview of the Criminal Justice System and the Criminal Justice Standards and Training Commission. FA, SP, SU

CJK0008 Law Enforcement Legal, 2.3 voc hrs
Constitutional law as it relates to the duties of a law enforcement officer is examined. Law topics of study include arrest laws, search and seizure and evidence procedures. FA, SP, SU

CJK0011 Human Issues in Law Enforcement, 1.33 voc hrs
This course teaches students the appropriate procedures for dealing with people who have special needs, such as, mentally ill, mentally retarded, substance abusers and persons with physical disabilities. FA, SP, SU

CJK0017 Law Enforcement Communications, 2.53 voc hrs
The entire police report writing process is covered. Topics include interviewing and interrogation, IPC skills, radio and telephone procedures, as well as practice exercises. FA, SP, SU

CJK0020 CMS Law Enforcement Vehicle Operations, 1.6 voc hrs

Components of the police driving environment are explored and practical exercises on the driving range are conducted. Vehicle pullovers and felony traffic stops are included via lecture, demonstration and scenario. FA, SP, SU

Lab Fees: $150.00

CJK0031 CMS First Aid for Criminal Justice Officers, 1.33 voc hrs

Based on DOT's first responder to medical emergencies. Included are major types of communicable diseases among adults, signs, and symptoms of each and methods of transmission. FA, SP, SU

Lab Fees: $25.00

CJK0040 CMS Criminal Justice Firearms, 2.67 voc hrs

Handgun and shotgun use, safety procedures and ammunition use are covered in lecture. Introduction includes weapons qualifications. FA, SP, SU

Lab Fees: $300.00

CJK0051 Criminal Justice Defensive Tactics, 2.67 voc hrs

Unarmed defense, restraining and apprehending techniques are taught. Special emphasis on the "use of force" continuum. Restraining devices, impact weapons, pressure points, chemical agents, and use of aerosol subject resistance, and officer fitness are also covered. FA, SP, SU

CJK0061 Law Enforcement Patrol I, 1.93 voc hrs

Addresses the daily skills and techniques needed by officers to perform patrol tactics. FA, SP SU

CJK0062 Law Enforcement Patrol II, 1.33 voc hrs

Students learn how to respond to the various types of calls that face todays patrol officer. FA, SP, SU

CJK0071 Criminal Investigations, 1.87 voc hrs

Students become familiar with all of the various types of crimes and investigations that a law enforcement officer is likely to encounter. FA, SP, SU

CJK0076 Law Enforcement Crime Scene Investigations, 0.8 voc hrs

This course is designed to introduce the students to the process of investigating specific crime scenes including, domestic violence, child abuse, elder abuse and death investigations. FA, SP, SU

CJK0082 Law Enforcement Traffic Stops, 0.8 voc hrs

This course introduces the student to the basic rules for conducting safe, effective traffic stops. FA, SP, SU

CJK0083 Law Enforcement DUI Traffic Stops, 0.8 voc hrs

This course outlines the specific procedures for detection, apprehension, documentation and prosecution of DUI offenses. Students will learn to perform the Standardized Field Sobriety Test. FA, SP, SU

CJK0086 Law Enforcement Traffic Crash Investigations, 1.07 voc hrs
This course introduces the student to traffic crash investigations, law pertaining to traffic crashes and procedures for responding to a traffic crash. FA, SP, SU

CJK0096 Law Enforcement Officer Physical Fitness Training, 2.0 voc hrs
This course evaluates the students level of fitness, then develops a program of improvement through exercise and instruction in areas of nutrition, stress management and basic training techniques. This course is for students enrolled in the Basic Law Enforcement Recruit Training program. FA, SP, SU

CJK0300 Introduction to Corrections, 1.07 voc hrs
This course introduces students to the legal and ethical responsiblilites of a correctional officer. Legal terms and definitions are explained. FA, SP, SU

CJK0305 CJSTC Communications, 1.33 voc hrs
The entire report writing process is covered. Topics include interview and interrogation, interpersonal communication and practical exercises. FA, SP, SU

CJK0310 Officer Safety, 0.4 voc hrs
Correctional officer safety procedures are learned. Students will learn to identify potential hazards and learn how to safely respond. FA, SP, SU

CJK0315 Facility and Equipment, 0.4 voc hrs
Students learn the appropriate procedures for inspecting a correctional facility and equipment. FA, SP, SU

CJK0320 Intake and Release, 0.6 voc hrs
Students learn the appropriate procedures for admitting and releasing inmates in a correctional facility. FA, SP, SU

CJK0325 Supervising in a Correctional Facility, 1.33 voc hrs
Students learn the appropriate procedures for supervising inmates in a correctional facility. They also learn to detect crimes and rule violations in various correctional settings. FA, SP, SU

CJK0330 Supervising Special Populations, 0.67 voc hrs
Students learn how to identify and supervise special population groups such as threat groups, juveniles, elderly and mentally ill inmates. FA, SP, SU

CJK0335 Responding to Incidents and Emergencies, 0.53 voc hrs
Students learn how to identify and respond to situations involving escapes, riots, bomb threats, fires and medical emergencies in a correctional facility. FA, SP, SU

CJK0340 Officer Wellness and Physical Abilities, 1.0 voc hrs

This course evaluates the students' level of physical fitness, and then develops a program of improvement through exercise and instruction in the areas of nutrition, stress management and basic training techniques. FA, SP, SU

CJK0422 Dart Stun Gun Firing, 0.27 voc hrs

This course familiarizes the student with the function and effects of a dart firing stun gun. This course is required by the State of Florida. FA, SP, SU

Lab Fees: $30.00

CJT - Criminal Justice

CJT2100 Criminal Investigation, 3.0 sem hrs

This course introduces the student to the elements of criminal investigation, crime scene examination, collection of evidence and searching for witnesses, developing and questioning suspects, and protecting physical evidence. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SU

CLP - Psychology

CLP2140 Abnormal Psychology, 3.0 sem hrs

A study of terminology, diagnostic categories and treatment methods of major types of psychological disturbances. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

CNT - Computer Networking

CNT2402 Enterprise Security Management, 3.0 sem hrs

This course will enable students to understand the principles of risk management, security architectures, incident handling, disaster recovery, and secure systems administration in Computer Networking. FA, SP

Pre-Reqs: CET1600

COP - Computer Science

COP1000 Principles of Computer Programming, 3.0 sem hrs

This course provides the beginning programmer with a guide to developing structured program logic, and assumes no programming language experience. Programming concepts together with program definition, algorithms, flow charts, debugging, documentation, pseudocode, and a high-level language are introduced. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

COP2001 Computer Programming "C++", 2.0 sem hrs

A continuation of Computer Programming I using C. Object-oriented programming concepts and fourth generation languages will be introduced and applied. *This course will help satisfy the graduation*

requirements of the Associate of Arts (A.A.) degree. SP

Pre-Reqs: COP1000
Conc-Reqs: COP2001L

COP2001L Computer Programming "C++" Lab, 1.0 sem hrs
A continuation of Computer Programming I using C. Object-oriented programming concepts and fourth generation languages will be introduced and applied. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Conc-Reqs: COP2001

COP2220 Computer Programming "C", 3.0 sem hrs
Hands-on, introductory study of C Programming language as applied to business applications. The course includes arrays, pointers, functions, I/O operations, data structures, and operating system interaction. Students write and compile their program in multiple platforms and compilers. Students also learn debugging techniques in existing malfunctioning programs and customize programs according to specifications. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: COP1000 OR MAC1105

COP2700 Introduction to Database Management, 3.0 sem hrs
This class covers the concepts of relational databases and the industry standard SQL language. Students are taught the relational model to create and maintain database objects. Data analysis, logical and physical structure will be covered. Students will learn data definition language and data manipulation language syntax in SQL. CASE tools will be used to analyze data structure. FA

COP2800 Computer Programming "Java", 3.0 sem hrs
The high-level computer language java is used to solve business problems. Course includes basics, object-oriented programming, graphical user interfaces with event-driven programming and applets used in web pages. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: COP1000

COP2805 Advanced Computer Programming "Java", 3.0 sem hrs
This course expands on the Java programming basics to explore advanced Java topics such as inner classes, object serialization, and multithreading. Many of the objectives for Sun Java Certification are covered. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

COP2842 Web Scripting (PHP), 3.0 sem hrs
This course is designed to teach Web server-side programming skills. Students completing this course will be able to develop a complete Web side, maintain and manage the Web site. Students will learn the essentials of Web server-side programming language, database, and server, write server-side programming code, integrate the code into Web pages, and identify different uses and applications of scripts in Web sites and/or other multimedia projects. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: COP1000 AND CTS1851

COP2850 Web Programming Project, 3.0 sem hrs

Upon completion of this project based course students will write a proposal, create project development plan, understand the project development procedure, demonstrate the computer skills, implement the project, test and deploy the complete system on the web server. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: CGS2821 AND CGS2820

COP2905 Directed Study in Computer Programming, 1.0 - 4.0 sem hrs

I n d e p e n d e n t individual or team studies, projects and practica in computer programmingdesign, construction, documentation and implementation-under the direction of the Computer Science faculty. Specific content to be arranged. May be repeated with change of content. (Prerequisite: Permission of Computer Science chairperson.) FA, SP, SU

COP2940 Computer Science Internship, 2.0 sem hrs

Six hours per week of practical computer programming experience in a computer installation. FA, SP, SU

COP2949 Cooperative Educational Experience in Computer Programming, 1.0 - 4.0 sem hrs

Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) FA, SP, SU Course does not show up in regular catalog schedule until you are registered. You are not officially registered until you have completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. Required to complete 80-320 program contact hours in the field based on program 1-4 credit hour course requirement. (Average of 12-15 hours a week at an employer worksite) 1credit=80 contact hrs. 2credits=160 contact hrs. 3credits=240 contact hrs. 4credits=320 contact hrs. To register contact the Chairperson of your Department, or Cheryl Miller - Work Experience Coordinator millerc@DaytonaState.edu 386-506-4143 - Technology Campus

COP4708 Applied Database I, 3.0 sem hrs

Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project is required.

Pre-Reqs: COP2800 OR COP2001 OR COP2220

COP4709 Applied Database II, 3.0 sem hrs

Study of relational and other database system. Advanced SQL query and programming, decision support systems, and advanced database topics are covered. Programming project is required.

Pre-Reqs: COP4708

COP4813 Web Systems I, 3.0 sem hrs

Introduction to web systems with emphasis on server configuration, web standards, page design, use of XML, Javascript for client interactivity, and accessibility standards. Computer programming will be required.

Pre-Reqs: COP2800 OR COP2220 OR COP2001

COP4834 Web Systems II, 3.0 sem hrs

Advanced web design concentration on use of current server side technology (PHP, .NET, CGI, Java, XML, DHTML) to provide client server interactivity.

Pre-Reqs: COP4813

COS - Cosmetology

COS0080L Cosmetology I Lab, 8.0 voc hrs

Orientation to the field of cosmetology: The student will use classroom and laboratory facilities to develop basic skills, techniques, and prepare students to work on clients. FA, SP, SU

Lab Fees: $387.00

COS0080PL Cosmetology I Lab, 10.0 voc hrs

Orientation to the field of cosmetology: The student will use classroom and laboratory facilities to develop basic skills, techniques, and prepare students to work on clients. FA, SP, SU

Lab Fees: $387.00

COS0081L Cosmetology II Lab, 8.0 voc hrs

A continuation of basic skills and concept development from level I. Students will be taught the principles and concepts of cosmetology while mastering cosmetology skills on the clinic floor. FA, SP, SU

Pre-Reqs: COS0080L
Lab Fees: $180.00

COS0081PL Cosmetology II Lab, 10.0 voc hrs

A continuation of basic skills and concept development from level I. Students will be taught the principles and concepts of cosmetology while mastering cosmetology skills on the clinic floor. FA, SP, SU

Lab Fees: $180.00

COS0082L Cosmetology III Lab, 8.0 voc hrs

The student will acquire knowledge of the principles and concepts of cosmetology. Intermediate skills will be perfected on clients in the school-operated salon. FA, SP, SU

Pre-Reqs: COS0080L AND COS0081L
Lab Fees: $138.00

COS0083L Cosmetology IV Lab, 8.0 voc hrs

The student will acquire knowledge of the principles of Florida Law, Anatomy and Physiology, and Salon Management. Skills will be perfected in the school-operated salon. FA, SP, SU

Pre-Reqs: COS0080L AND COS0081L AND COS0082L
Lab Fees: $85.50

COS0084L Cosmetology V Lab, 8.0 voc hrs

State Board preparation is emphasized. Theoretical knowledge and skills will be perfected to employment

competency level. FA, SP, SU

Pre-Reqs: COS0081L AND COS0080L AND COS0082L AND COS0083L
Lab Fees: $85.50

COS0501L Introduction to Barbering: Shaves/Beards/Mustaches, 8.0 voc hrs

The student will acquire knowledge of the principles of Florida Law, history of the art of barbering and it's evolution throughout the centuries, proper sanitizing procedures for tools and implements, the art of shaving, honing and stropping. To be eligible for this program, you must already possess a valid cosmetology license. FA, SP, SU

COS0905 Directed Study in Cosmetology, 1.0 - 4.0 voc hrs

Directed Study in Cosmetology FA, SP, SU

CPO - Political Science

CPO2001 Comparative Government, 3.0 sem hrs

An introduction to comparative political behavior, processes, institutions and public policy in selected industrial democracies, communist and former communist states and third world countries. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ENC1101

CRW - English Language and Literature

CRW2100 Fiction Writing, 3.0 sem hrs

An introduction to the techniques of writing fiction. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1102

CRW2300 Poetry Writing, 3.0 sem hrs

An introduction to the techniques of writing poetry. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: ENC1102 AND ENC1101

CTS - Computer Science

CTS1851 Internet Web Foundations (HTML, CSS), 3.0 sem hrs

An introductory course designed to teach the basic hands-on skills and knowledge that today's business and Internet professionals are expected to understand and use. The three major topics covered are: Fundamental uses of the Internet, web page design, and web page development and publishing including the use of HTML, CSS, and various fundamental web server management skills. Students will perform a variety of practical tasks and assignments. FA, SP

CTS2141 Advanced C++ and Direct X Programming, 3.0 sem hrs

The student applies the Objective C programming language to create applications that run on iOS devices, including iPad, iPhone, and iPod. The XCode development environment will be used to create

and test apps. Students will learn how to run apps on their own devices and how to distribute apps to the AppStore. Owning an iOS device is not necessary, since XCode includes a simulator. Online students will either need access to an Apple computer or notebook running OS X Snow Leopard or later, or will need to work in the school's Apple computer lab. FA

Pre-Reqs: COP2001

CTS2214 Project Management w/Microsoft Project, 3.0 sem hrs
This course provides an introduction to the basic elements of Project Management. Students build project plans using Microsoft Project software. The text used covers the objectives for the Microsoft Office Specialist (MOS) "core" certificate. FA, SP

Pre-Reqs: CGS2100

CTS2300 Designing Windows Networks, 4.0 sem hrs
Design a Windows Network infrastructure using network services. Topics include protocols, IP routing, DHCP, DNS, WINS, NAT, Proxy server, RAS, VPN, RADIUS, monitoring, DFS and optimization. MCP Exam 70-221, a core requirement for MCSE. SP

Pre-Reqs: CTS2810

CTS2302 Microsoft Windows Active Directory Services, 4.0 sem hrs
Implementation, administration and troubleshooting Windows Active Directory Services. Learn how to plan, create and maintain user and group accounts and profiles. Additional topics, such as DNS name resolution, zone, NTFS permissions and DFS will be discussed. MCP Exam 70-217, a core requirement for MCSE. SP

Pre-Reqs: CTS2328

CTS2303 Designing Windows Active Directory Services, 4.0 sem hrs
Design a Microsoft Windows® directory services infrastructure in an enterprise network. Strategies are presented to assist the student in identifying the information technology needs of an organization, and then designing an Active Directory structure that meets those needs. MCP Exam 70-219, a core requirement for MCSE. SP

Pre-Reqs: CTS2302

CTS2306 Microsoft Windows Professional, 4.0 sem hrs
Installing, configuring and supporting Microsoft Windows Professional in a workgroup or domain to prepare for MCP Exam 70-270, a core requirement for MCSA and MCSE certifications. FA, SP

Pre-Reqs: CET1600

CTS2310 Designing Windows Network Security, 4.0 sem hrs
Design a security framework for small, medium and enterprise networks by using Microsoft Windows technologies. This course focuses on securing specific areas of the network. MCP Exam 70-220, a core requirement for MCSE. SP

Pre-Reqs: COP2010

CTS2311 Linux Networking and Security, 4.0 sem hrs
This is an advanced course in the Linux operating system emphasizing installing, configuring and using

Linux networking services. It also stresses securing the Linux OS in a networked environment. Topics include configuring and using basic networking connectivity, Linux clients, SNMP, mail lists and news servers, email servers, DNS servers, file sharing, FTP servers, NFS, Samba, cryptographic security, password security, file security, routing, firewalls, and intrusion detection. Previous experience with Linux installation and configuration is required. SP

Pre-Reqs: CTS2321

CTS2320 Implementing, Managing and Maintaining a Windows Network Infrastructure, 4.0 sem hrs

Introduction to primary protocols and network services required to plan and design a Windows network infrastructure. Topics include TCP/IP, NWLink, DNS, WINS, WINS, DHCP, RAS, Network Monitor, IPSec, NAT and Certificate Services. Exam 70-216, a core requirement for MCSA and MCSE certifications. (Prerequisite: CEN 2304 or permission of Computer Science chairperson.) FA, SP

Pre-Reqs: CTS2306

CTS2321 Linux System Administration, 4.0 sem hrs

This course is designed to teach students the skills they need to effectively administer the Linux operating system. The course includes Linux server installation, configuration, administration, networking services, security, system maintenance, and troubleshooting tasks. Previous experience with computer hardware configuration, network services and network operating systems is required. FA, SP

CTS2328 Managing and Maintaining a Windows Network Environment, 4.0 sem hrs

Manage a network infrastructure, services and resources to prepare for MCP Exam 70-290, a core requirement for MCSA certification and an elective for MCSE certification. FA, SP

Pre-Reqs: CTS2306

CTS2330 Microsoft Exchange Server Implementation and Administration, 4.0 sem hrs

Install, configure, administer and troubleshoot Microsoft Exchange Server. Acquire the knowledge and skills required to perform day-to-day management of an Exchange Server organization. Prepare for MCSE Exam 70-224 an elective for Windows MCSE track. SP

Pre-Reqs: COP2010

CTS2402 Visual Basic Programming, 3.0 sem hrs

A first course in object-oriented programming using Microsoft Visual BASIC.NET for Windows. Topics covered will be the programming environment and how to use it, use of programming values and variables, conditional statement and loops, modules and parameter passing and use of color and windows forms for communication with the user. An introduction to ASP.NET and database access will be covered. FA, SP

Pre-Reqs: COP1000

CTS2403 Advanced Visual Basic Programming, 3.0 sem hrs

The student applies the Visual Basic programming language to more advanced problems including accessing SQL Server databases, creating Web forms, and creating custom controls. The student designs, implements and documents computer programs using Microsofts Visual Basic.NET development environment. This course covers competencies of the developing and implementing Windows-based Applications with Microsoft Visual Basic.NET and Visual Studio.NET exam (70-306) of the Microsoft

Certified Application Developer (MCAD) certification. FA

Pre-Reqs: COP2010

CTS2431 Data Organization and Management, 2.0 sem hrs
Advanced concepts using Microsoft Access. Topics covered include creating table structures, enforcing referential integrity, creating and modifying forms, creating and modifying reports and saving objects as Web pages. This course covers topics required by the Microsoft Office Specialist (MOS) certification exam. FA, SP

Co-Reqs: COP1000
Conc-Reqs: CTS2431L

CTS2431L Data Organization and Management Lab, 1.0 sem hrs
Advanced concepts using Microsoft Access. Topics covered include creating table structures, enforcing referential integrity, creating and modifying forms, creating and modifying reports and saving objects as Web pages. This course covers topics required by the Microsoft Office Specialist (MOS) certification exam. FA, SP

Conc-Reqs: CTS2431

CTS2801 Web Application Development - ActionScripting, 3.0 sem hrs
This course is designed to teach Web server-side programming skills. Students completing this course will be able to develop a complete Web side, maintain and manage the Web site. Students will learn the essentials of Web server-side programming language, database, and server, write server-side programming code, integrate the code into Web pages, and identify different uses and applications of scripts in Web sites and/or other multimedia projects. SP

Lab Fees: $20.00

CTS3348 Linux Administration, 3.0 sem hrs
student will learn how a system administrator fulfills various organizational information resource management requirements using a Linux-based operating system. Topics will include; installation; creating and maintaining file systems; user and group administration; backup and restore processes; network configuration; various system services; security administration; and updating and maintaining the system.

Pre-Reqs: COP2800 OR COP2001 OR COP2220

DAA - Dance

DAA1100 Modern Dance I, 3.0 sem hrs

Includes conditioning exercises and techniques that provide a vocabulary of movement to develop basic movement phrases and elements of composition. The use of improvisation will be introduced to develop a sense of individual accomplishment and skills. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

DAA1104 Modern Dance I for Pre-Majors, 3.0 sem hrs

This is a beginning class in modern dance technique for pre-majors. This class will introduce the student to the physical concepts of time, space and energy at the beginning level. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

DAA1105 Modern Dance II for Pre-Majors, 3.0 sem hrs

This is a an advanced beginning class in modern dance technique for pre-majors. This class will further explore the physical concepts of time, space and energy at an advanced intermediate level. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: DAA1104

DAA1200 Classical Ballet I, 3.0 sem hrs

Provides a beginning level technique in the discipline of classical ballet. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

DAA1204 Ballet I for Pre-Majors, 3.0 sem hrs

This is a beginning class in classical ballet technique. Classroom emphasis is on correct body alignment, beginning body positions, barre, center and across the floor work using classical ballet vocabulary. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: DAA1104

DAA1205 Ballet II for Pre-Majors, 3.0 sem hrs

This is an advanced beginning class in classical ballet technique. Classroom emphasis is on correct body alignment, with further study of body positions, barre, center and across the floor work using classical ballet vocabulary. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: DAA1204

DAA1500 Beginning Jazz Dance, 3.0 sem hrs

Beginning level techniques and movement exploring a broad range of jazz dance. Elements of theater, lyrical and hip hop may be explored. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

DAA1520 Beginning Tap Dance, 3.0 sem hrs

Basic elements of tap dancing: shuffle, slap, and ball change, including varied combinations of these and other elements. Tap notation and varied styles of tap explored. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

DAA2101 Modern Dance II, 3.0 sem hrs

Intermediate techniques and performance comprise the course. May be repeated one time for credit. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: DAA1100

DAA2106 Intermediate Modern Dance I for Pre-Majors, 3.0 sem hrs

This is an intermediate class in modern dance technique for pre-majors. This class will further explore the physical concepts of time, space and energy at an intermediate level. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: DAA1105

DAA2107 Intermediate Modern Dance II for Pre-Majors, 3.0 sem hrs

This is an advanced intermediate class in modern dance technique for pre-majors. This class will further explore the physical concepts of time, space and energy at an advanced intermediate level. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: DAA2106

DAA2201 Classical Ballet II, 3.0 sem hrs

A continuation of Classical Ballet I. This course will provide an intermediate level in the discipline of classical ballet. May be repeated one time for credit. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: DAA1200

DAA2206 Intermediate Ballet I for Pre-Majors, 3.0 sem hrs

This is an intermediate class in classical ballet technique. Classroom emphasis is on correct body alignment with further study of body positions, barre, center and across the floor work using classical ballet vocabulary. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: DAA1205

DAA2207 Intermediate Ballet II for Pre-Majors, 3.0 sem hrs

This is an in an advanced intermediate class in classical ballet technique. Classroom emphasis is on correct body alignment with further study of body positions, barre, center and across the floor work using classical ballet vocabulary. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: DAA2206

DAA2501 Intermediate Jazz Dance, 3.0 sem hrs
Dance Secondary level technique in basic movements of contemporary jazz dance. Primary emphasis is placed on lyrical, percussive and contemporary styles of jazz with improvisation choreography. May be repeated one time for credit. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: DAA1500

DAA2540 Musical Theater Dance, 3.0 sem hrs
This course will explore the history of musical theater dance from the 1800s to the present time. Lecture and dance techniques are an integral part of the course methodology. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: DAN1100 OR DAA1100

DAA2610 Dance Composition, 3.0 sem hrs
The analysis of dance movement and vocabulary related to the basic choreographic elements of space, time and energy will be examined. Individual choreography is an integral part of the course. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: DAA1100

DAA2640 Choreography and Dance Ensemble, 2.0 sem hrs
The creation, preparation and performance of original dance compositions. Students participate in public performances as the Daytona State Dance Ensemble. May be repeated one time for credit. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: DAA2640L

DAA2640L Choreography and Dance Ensemble Lab, 1.0 sem hrs
The creation, preparation and performance of original dance compositions. Students participate in public performances as the Daytona State Dance Ensemble. May be repeated one time for credit. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: DAA2640

DAN - Dance

DAN1100 Dance Appreciation, 3.0 sem hrs
Lecture-based dance appreciation class. Extensive use of audio/visual materials which highlight the development of contemporary dance in America. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101

DAN2740 Stretch and Placement, 3.0 sem hrs
This course will investigate dynamic alignment principles as they relate to flexibility and movement quality. Emphasis is placed on the anatomical and kinesiological factors involved in movement and range

of movement exercises as they relate to any movement oriented skills. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

DEA - Dental Assisting

DEA0000 Introduction to Dental Assisting, 1.0 voc hrs
This course explores the major historical events in dentistry. Other areas of study include ethics and jurisprudence, OSHA regulations, the state dental practice act, certification procedures, expanded functions for dental auxiliaries and an overview of the dental specialties.SP, SU

DEA0020 Chairside Assisting I, 1.5 voc hrs
This course introduces students to the knowledge and skills that are required of a dental assistant in clinical practice. Emphasis is placed on the knowledge and practice of proper infection control methods, principles of four-handed dentistry and restorative procedures. FA

Co-Reqs: DES0002
Pre-Reqs: DEA0000
Conc-Reqs: DEA0020L

DEA0020L Chairside Assisting I Lab, 2.0 voc hrs
This course introduces students to the knowledge and skills that are required of a dental assistant in clinical practice. Emphasis is placed on the knowledge and practice of proper infection control methods, principles of four-handed dentistry and restorative procedures. FA

Co-Reqs: DES0002
Conc-Reqs: DEA0020
Lab Fees: $52.00

DEA0130 Biomedical Science, 2.0 voc hrs
This course is an introduction to the fundamentals of anatomy and physiology of the human body, with emphasis on head and neck anatomy. Other areas of study include histology, microbiology, pathology, oral pathology, pharmacology and medical/dental emergencies. SP

Co-Reqs: DEA0801
Pre-Reqs: DEA0000 AND DES0002

DEA0801 Chairside Assisting II, 1.5 voc hrs
This course is a continuation of DEA 0020 Chairside Assisting I. This course exposes the students to the knowledge and skills that are required for a dental assistant in the various dental specialties. Emphasis is placed on the sequence of steps, armamentariums, expanded functions and procedures performed in specialized areas of dentistry. SP

Pre-Reqs: DES0002 AND DEA0020L AND DEA0020
Conc-Reqs: DEA0801L

DEA0801L Chairside Assisting II Lab, 2.0 voc hrs
This course is a continuation of DEA 0020 Chairside Assisting I. This course exposes the students to the knowledge and skills that are required for a dental assistant in the various dental specialties. Emphasis is placed on the sequence of steps, armamentariums, expanded functions and procedures performed in specialized areas of dentistry. SP

Pre-Reqs: DEA0020 AND DES0002 AND DEA0020L
Conc-Reqs: DEA0801
Lab Fees: $60.00

DEA0850L Externship I, 8.0 voc hrs

Students are assigned to clinical facilities to develop competence in performing chairside assisting skills, expanded functions, minor laboratory and basic office procedures. Students must maintain current certification in cardiopulmonary resuscitation while rotating through clinical facilities. Seminars are conducted in order to correlate clinical experiences with instructional goals. SP

Pre-Reqs: DEA0020L AND DEA0020 AND DES0205 AND DES0205L
Lab Fees: $5.00

DEA0851L Externship II, 8.0 voc hrs

This is a continuation of DEA 0850L Externship I. Students are assigned to clinical facilities to perfect competence in performing chairside assisting skills, expanded functions, minor laboratory and basic office procedures. Students must maintain current certification in cardiopulmonary resuscitation while rotating through clinical facilities. Seminars are conducted in order to correlate clinical experiences with instructional goals. SU

Pre-Reqs: DEA0850L AND DEA0801 AND DEA0801L
Lab Fees: $5.00

DEH - Dental Hygiene

DEH1002 Preclinical Dental Hygiene, 2.0 sem hrs

This course is designed to acquaint students with the basic principles of dental hygiene practice. Lectures focus on diagnostic collection techniques, instrumentation and methods of infection control. FA

Pre-Reqs: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086
Conc-Reqs: DEH1002L

DEH1002L Preclinical Dental Hygiene Lab, 2.0 sem hrs

This course is designed to acquaint students with the basic principles of dental hygiene practice. Lectures focus on diagnostic collection techniques, instrumentation and methods of infection control. FA

Pre-Reqs: BSC1086L AND BSC1086 AND BSC1085 AND BSC1085L
Conc-Reqs: DEH1002
Lab Fees: $46.00

DEH1133 Orofacial Anatomy and Physiology, 3.0 sem hrs

This course provides an in-depth study of the human dentition and supporting structures. Topics of study include anatomical landmarks of the oral cavity, tooth and root morphology, oral embryology, oral histology and nomenclature. SU

Pre-Reqs: BSC1086L AND BSC1085 AND BSC1086 AND BSC1085L

DEH1602 Periodontology, 3.0 sem hrs

This course is a study of the etiology, clinical manifestations, prognosis and treatment of periodontal disease. Periodontal examinations, treatment planning and the dental hygienist's role in periodontal therapy are emphasized. SP

Pre-Reqs: DEH1002 AND DEH1002L AND DES1840

DEH1800 Clinical Dental Hygiene I, 2.0 sem hrs

This course is a continuation of DEH 1002/1002L Preclinical Dental Hygiene and Lab. Emphasis is on dental hygiene care planning, nonsurgical periodontal therapy, dentin hypersensitivity, dental ergonomics, and family abuse and neglect. Lectures focus on the care of patients with orthodontic appliances and dental prostheses, dental implants, use of tobacco products, and bloodborne infectious diseases. SP

Co-Reqs: DEH1800L
Pre-Reqs: DEH1002 AND DES1840 AND DEH1002L

DEH1800L Dental Hygiene Clinic I, 2.0 sem hrs

This course focuses on the utilization of patient assessment and dental hygiene care planning, periodontal debridement, and selective coronal polishing during clinical sessions. SP

Co-Reqs: DEH1800
Pre-Reqs: DEH1002 AND DEH1002L AND DES1200L AND DES1200
Lab Fees: $95.00

DEH1802 Clinical Dental Hygiene II, 2.0 sem hrs

This course is a continuation of DEH 1800 Clinical Dental Hygiene I. Topics include power instrumentation and debridement, air polishing, cosmetic whitening, intraoral photographic imaging, case development and presentation, indices and scoring methods, dietary analysis and nutritional counseling, and the care of patients with special needs. SU

Co-Reqs: DEH1802L
Pre-Reqs: DEH1800 AND DEH1800L

DEH1802L Dental Hygiene Clinic II, 2.0 sem hrs

This course focuses on the refinement of basic skills pertaining to dental hygiene practice. SU

Co-Reqs: DEH1802
Pre-Reqs: DEH1800L AND DEH1800
Lab Fees: $105.00

DEH2300 Pharmacology, 2.0 sem hrs

This course is a comprehensive study of the general principles of pharmacology, drugs used in dentistry, and drugs that may alter dental treatment. FA

Pre-Reqs: BSC1086 AND CHM1025L AND BSC1086L AND CHM1025

DEH2400 General and Oral Pathology, 2.0 sem hrs

This course is a comprehensive study of oral abnormalities and disease processes with a focus on clinical identification. The principles of general pathology in relationship to the diseases and the oral cavity are emphasized. FA

Pre-Reqs: BSC1086L AND DEH1602 AND BSC1086 OR DEH2602

DEH2702 Community Dental Health, 2.0 sem hrs

This course covers the philosophy and practice of community and public health dentistry. The study of

statistical analysis, research methodology, epidemiology of dental disease and the role of the dental hygienist in the community are emphasized. Students are required to design and implement an oral health education program for a community group. SP

Pre-Reqs: DEH2804 AND DEH1602 OR DEH2602
Conc-Reqs: DEH2702L

DEH2702L Community Dental Health Lab, 1.0 sem hrs
This course covers the philosophy as well as the practice of community and public health dentistry. The study of statistical analysis, research methodology, epidemiology of dental disease and the role of the dental hygienist in the community are emphasized. Students are required to design and implement an oral health education program for a community group. SP

Pre-Reqs: DEH2804 AND DEH1602 OR DEH2602
Conc-Reqs: DEH2702

DEH2804 Clinical Dental Hygiene III, 2.0 sem hrs
This course is a continuation of DEH 1802 Clinical Dental Hygiene II. Lectures focus on applied techniques for patients with special needs. FA

Co-Reqs: DEH2804L
Pre-Reqs: DEH1802 AND DEH1802L

DEH2804L Dental Hygiene Clinic III, 3.0 sem hrs
This course emphasizes the utilization of advanced dental hygiene skills, expanded functions and periodontal therapy. FA

Co-Reqs: DEH2804
Pre-Reqs: DEH1802L AND DEH1802
Lab Fees: $115.00

DEH2806 Clinical Dental Hygiene IV, 2.0 sem hrs
This course is a continuation of DEH 2804 Clinical Dental Hygiene III. Lectures focus on applying for employment, prevention of medical errors, ethics, jurisprudence, and legal concerns which are relevant to clinical practice. Emphasis is on review of clinical case studies. SP

Co-Reqs: DEH2806L
Pre-Reqs: DEH2804 AND DEH2804L

DEH2806L Dental Hygiene Clinic IV, 3.0 sem hrs
This course provides further proficiency of clinical skills and refinement of assessment capabilities in preparation for licensure and clinical practice. SP

Co-Reqs: DEH2806
Pre-Reqs: DEH2804 AND DEH2804L
Lab Fees: $115.00

DEP - Psychology

DEP2001 Infant Child and Adolescent Psychology, 3.0 sem hrs
An in-depth study of the concepts and principles of growth and development in infancy and childhood. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,

SP, SU

Pre-Reqs: PSY1012

DEP2004 Developmental Psychology, 3.0 sem hrs

A study of the various aspects of normal human development, equally emphasizing tasks, changes and adjustments that occur in each stage of the life span. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

DEP2402 Psychology of Adulthood and Aging, 3.0 sem hrs

An in-depth study of the concepts and principles of growth and development in adulthood and old age. A multicultural perspective will be utilized examining general adult developmental processes as well as examining differences among genders, ethnicities and cultures. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: PSY1012

DEP2481 Death and Dying: Life and Living, 3.0 sem hrs

An exploration of the meanings, human experiences and dilemmas associated with life and death in the twentieth century. Lecture/discussion method. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

DES - Dental Assisting/Hygiene (Support)

DES0002 Dental Anatomy and Physiology, 1.0 voc hrs

This course provides an in-depth study of the human dentition and supporting structures. Topics of study include: anatomical landmarks of the oral cavity, tooth and root morphology, and oral histology and embryology. FA

Co-Reqs: DEA0020 AND DEA0020L
Pre-Reqs: DEA0000

DES0103 Dental Materials and Laboratory Procedures, 2.0 voc hrs

This course is designed to acquaint the student with the physical and chemical properties of materials used in dental practice. Instruction and practice in the manipulation of materials and minor laboratory procedures are emphasized. FA

Co-Reqs: DEA0020L AND DEA0020 AND DES0002
Pre-Reqs: DEA0000
Conc-Reqs: DES0103L

DES0103L Dental Materials and Laboratory Procedures Lab, 1.0 voc hrs

This course is designed to acquaint the student with the physical and chemical properties of materials used in dental practice. Instruction and practice in the manipulation of materials and minor laboratory procedures is emphasized. FA

Conc-Reqs: DES0103
Lab Fees: $65.00

DES0205 Dental Radiology, 2.0 voc hrs

This course is a study of the theories and principles of dental radiology. The following areas will be covered: history of X-ray development, radiation physics, radiographic anatomy, processing techniques, radiation hygiene and safety, X-ray equipment and radiographic techniques. Emphasis is placed on the interpretation, placement, exposing, processing and mounting of X-ray films during laboratory sessions. FA

Co-Reqs: DEA0020L AND DEA0020 AND DES0002
Pre-Reqs: DEA0000
Conc-Reqs: DES0205L

DES0205L Dental Radiology Lab, 1.0 voc hrs

This course is a study of the theories and principles of dental radiology. The following areas will be covered: history of X-ray development, radiation physics, radiographic anatomy, processing techniques, radiation hygiene and safety, X-ray equipment and radiographic techniques. Emphasis is placed on the interpretation, placement, exposing, processing and mounting of X-ray films during laboratory sessions. FA

Conc-Reqs: DES0205
Lab Fees: $65.00

DES0501 Practice Management, 1.0 voc hrs

This course prepares the student to plan and manage a professional career path and implement the principles of dental office management. Other areas of study include: financial systems and dental insurance, technology and telecommunications, patient and appointment management, recare maintenance systems, oral and written communications, and inventory systems and supply ordering. SP

Pre-Reqs: DEA0020 AND DEA0020L AND DEA0000

DES0844 Preventive Dentistry and Nutrition, 1.0 voc hrs

This course is a study of the mechanisms employed to avert or intercept dental disease and the conditions that tend to destroy oral structures. Students are given the opportunity to study the utilization of food derivatives in the maintenance and repair of body and oral tissues. Emphasis is placed on dietary considerations for the dental patient. SP

Pre-Reqs: DEA0020 AND DEA0020L AND DES0002

DES1010 Head and Neck Anatomy, 2.0 sem hrs

This course is an in-depth study of the anatomy of the head and neck region. The skeletal, muscular, nervous, lymphatic and circulatory systems are emphasized. FA

Pre-Reqs: DEH1133

DES1054 Pain Control and Anesthesia, 2.0 sem hrs

This course covers methods of pain control, need for pain management, use of topical and local anesthetic agents, and prevention of complications related to oral anesthesia. SP

Pre-Reqs: DES1010

DES1100 Elements of Dental Materials, 2.0 sem hrs

This course introduces the student to the physical and chemical properties of materials used in dental

practice. Instruction and practice in the manipulation of materials and minor laboratory procedures are emphasized during laboratory sessions. SU

Pre-Reqs: CHM1025 AND DES1832L AND CHM1025L OR DES2832L
Conc-Reqs: DES1100L

DES1100L Elements of Dental Materials Lab, 1.0 sem hrs
This course introduces the student to the physical and chemical properties of materials used in dental practice. Instruction and practice in the manipulation of materials and minor laboratory procedures are emphasized during laboratory sessions. SU

Pre-Reqs: DES1832L OR DES2832L
Conc-Reqs: DES1100
Lab Fees: $65.00

DES1200 Dental Radiography, 2.0 sem hrs
This course provides students with the fundamental background and theory for the safe and effective use of X-ray radiation. Laboratory sessions emphasize the placement, exposing, processing, mounting and interpretation of dental radiographs. FA

Pre-Reqs: BSC1086 AND BSC1086L AND CHM1025L AND CHM1025
Conc-Reqs: DES1200L

DES1200L Dental Radiography Lab, 1.0 sem hrs
This course provides students with the fundamental background and theory for the safe and effective use of X-ray radiation. Laboratory sessions emphasize the placement, exposing, processing, mounting and interpretation of dental radiographs. FA

Pre-Reqs: BSC1086 AND BSC1086L AND CHM1025L AND CHM1025
Conc-Reqs: DES1200
Lab Fees: $65.00

DES1832L Expanded Functions for the Dental Hygienist, 2.0 sem hrs
This course provides students with didactic information and the laboratory experience to perfom expanded functions that are permitted by the Florida laws and rules found in the Florida Statues and Administrative Code. SP

Pre-Reqs: DEH1002 AND DEH1002L AND DEH1133
Lab Fees: $50.00

DES1840 Preventive Dentistry, 2.0 sem hrs
This course is designed to introduce the student to the practice and philosophy of preventive dentistry. Methods of dental biofilm control, tooth deposits and stains, dental caries, fluorides, oral physiotherapy, interdental care and oral health care products are emphasized. FA

Pre-Reqs: BSC1086 AND BSC1086L AND BSC1085L AND BSC1085

DES2600 Medical and Dental Emergencies, 2.0 sem hrs
This course is designed to provide students with information on the signs, symptoms, treatment and equipment that is necessary to render care for common emergencies that can occur in the dental office. FA

Pre-Reqs: DEH1802 AND BSC1086 AND BSC1086L

DIG - Digital Media

DIG1109 Digital Imaging Fundamentals, 3.0 sem hrs
This course covers digital image manipulation, editing and file management techniques using industry software. Introduces students to personal computers, the Macintosh Operating System and peripheral devices as graphic production tools for design, photography and digital media. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $25.00

DIG2100 Web Design I, 3.0 sem hrs
An introduction to professional tools, techniques and methods used in web publishing. Current industry production software is used to create and edit electronic pages, layouts and websites. This course is repeatable one time for credit. FA,SP

Pre-Reqs: CTS1851 OR DIG1109

EAP - English

EAP1501 Accent Reduction, 3.0 sem hrs

This course is designed to equip students with the necessary skills to proximate the spoken language of Standard American English. Topics will range from discrete, individual sounds of letters and words to the holistic concepts that encompass sentences and phrases. Additionally, direct instruction to counterbalance articulation differences indigenous to specific languages will be provided. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

ECO - Economics

ECO2013 Principles of Macro Economics, 3.0 sem hrs

An introduction to the fundamental principles and concepts of the U.S. national economy, including supply and demand analysis, national income accounting, economic growth, fiscal and monetary policy, business cycle theories and international trade. This course contributes to satisfying the Gordon Rule writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

ECO2023 Principles of Micro Economics, 3.0 sem hrs

An introduction to the fundamental principles and concepts of individual, business and government, including supply and demand, taxation price supports, plus analysis of labor, income distribution, politics, health care, and anti-trust. This course contributes to satisfying the Gordon Rule writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.)***

degree. FA, SP, SU

Co-Reqs: ENC1101

ECO2905 Directed Study in Economics, 3.0 sem hrs
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

ECO2949 Cooperative Education Experience in Economics, 3.0 sem hrs
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

EDE - Education

EDE4223 Integrated Art, Music and Movement, 3.0 sem hrs
The purpose of this course is to provide understanding of the importance of integrated art, music and movement/dance in instruction. Emphasis is placed on effects of integrated lesson planning and modeling techniques. This course is a 7 week class offered during the FA and SP terms.

Pre-Reqs: EDG4323

EDE4943 Student Internship, 9.0 - 10.0 sem hrs
The purpose of this course is to be the culmination of all principles learned throughout the pre-service education program. This course is the senior internship class and requires the pre-service teacher to experience working as a full-time teacher in an elementary school setting for one semester. This course is a full term 15 week class offered during the FA and SP terms.

EDF - Education

EDF1005 Introduction to the Teaching Profession, 3.0 sem hrs
The purpose of this course is to introduce pre-service teachers to the education profession. Pre-service teachers will understand the historical, sociological and philosophical foundations of the profession as well as the challenges educators face in the 21st century. This course requires field experience in the public schools. This course will help satisfy the graduation requirements of the Associate of Arts (AA) degree. This course is offered during the FA, SP and SU terms.

EDF2030 Effective Classroom Management, 3.0 sem hrs
Basic principles relating to classroom management, student discipline, use of reward systems and the role of the teacher in relation to faculty and staff. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

EDF2060 History of Education in the USA, 3.0 sem hrs
The historical development of American education including contributions, conflicts and changes in educational thought. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

EDF2085 Introduction to Diversity for Educators, 3.0 sem hrs
The purpose of this course is to introduce the instructional needs of diverse classroom populations including cultural, racial, religious, ethnic, gender issues, learning styles, abilities and disabilities, as well as to prepare pre-service teachers to become culturally responsive teachers. This course requires field experience in the public schools with at least one ESE or ESOL student. This course will help satisfy the graduation requirements of the Associate of Arts (AA) degree. This course is offered during the FA, SP and SU terms.

EDF2949 Cooperative Education Experience in Education, 3.0 sem hrs
Cooperative Education Experience in Education FA, SP, SU

EDF3214 Child/Adolescent Development and Learning, 3.0 sem hrs
The purpose of this course is to provide an examination of the various stages of human development and their relationship to contemporary theories of learning including motivation of at-risk urban and special needs students. This course is a 7 week class and may be offered during the FA or SP term.

EDF4430 Classroom Assessment, 3.0 sem hrs
The purpose of this class is to help the pre-service teacher understand the principles of assessment, the different assessment strategies which can be used in the classroom, formative and summative evaluation, test construction, rubrics, alternative assessment and interpretation of standardized test information. This course requires field experience in the public schools. This course is a 7 week class offered during the FA and SP terms.

EDF4603 Critical Issues in Classroom Management, Ethics, Law and Safety, 3.0 sem hrs
The purpose of this course is to introduce basic skills and knowledge for creating a safe environment that encourages learning, positive social interaction, and effective communication among students of diverse gender, ability, culture, language, race, ethnicity, and sexual orientation. The course emphasizes attitudes, language patterns, communication, values, and behaviors for eliciting and maintaining student learning as well as on-task behaviors. Included are methods and strategies for communicating and working safely and effectively with students, other school professionals, community members, and parents. The course examines public and private school law as it affects teachers' legal rights and legal responsibilities to students. The course covers ethical issues relevant to teaching and the development of one's personal professional ethics. This course is a 7 week class offered during the FA and SP terms.

Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430

EDG - Education

EDG2905 Directed Study in Education, 3.0 sem hrs
Directed Study in Education (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

EDG4323 Professional Teaching Practices, 3.0 sem hrs
The purpose of this course is to provide the pre-service teacher with essential skills of planning units and lessons, selecting learning outcomes, appropriate activities, and methods of learning to achieve student

learning outcomes and methods of assessment. This course requires field experience in the public schools. This course is a 7 week class offered during the FA and SP terms.

EDP - Education

EDP2002 Educational Psychology, 3.0 sem hrs

The purpose of this course is to provide application of psychological principles to the educational process and the effect of intelligence factors, environment, emotions and motivation on learning. This course will help satisfy the graduation requirements of the Associate of Arts (AA) degree. This course is offered during the FA, SP and SU terms.

EEC - Early Childhood Education

EEC2401 Home, School and Community, 3.0 sem hrs

Designed for students to become acquainted with the dynamics of the relationships of home, school and community in early childhood education. FA

EEC2523 Leadership and Management of Child Care Programs, 3.0 sem hrs

This course is designed to study and develop competencies in the administrators leadership role in the organizational structure of a child care center. This course is intended to meet one of the course requirements of the Advanced Level Child Care and Education Administrator Credentials as defined by the state of Florida. FA, SP

EEC2527 Child Care Center Financial and Legal Issues, 3.0 sem hrs

This course is designed to study and develop competencies in Financial and Legal Issues in child care programs. This course is intended to meet one of the course requirements of the Advanced Level Child Care and Education Administrator Credentials as defined by the state of Florida. FA, SP

EET - Electronic Engineering Technology

EET1011 Introduction to Electrical Circuits, 2.0 sem hrs

An introduction to the basic concepts of electricity and magnetism. Emphasis is placed on resistance, capacitance and inductance as basic circuit components. FA, SP

Co-Reqs: MAT1033
Conc-Reqs: EET1011L

EET1011L Introduction to Electrical Circuits Lab, 1.0 sem hrs

An introduction to the basic concepts of electricity and magnetism. Emphasis is placed on resistance, capacitance and inductance as basic circuit components. FA, SP

Co-Reqs: MAT1033
Conc-Reqs: EET1011
Lab Fees: $20.00

EET1021 Advanced Electrical Circuits, 2.0 sem hrs

An introduction to the basic concepts of alternating voltage and current. Emphasis is placed on resistance,

capacitance and inductance as basic AC circuit components. FA, SP

Co-Reqs: MAC1105
Pre-Reqs: EET1011 AND EET1011L
Conc-Reqs: EET1021L

EET1021L Advanced Electrical Circuits Lab, 1.0 sem hrs
An introduction to the basic concepts of alternating voltage and current. Emphasis is placed on resistance, capacitance and inductance as basic AC circuit components. FA, SP

Conc-Reqs: EET1021
Lab Fees: $20.00

EET1141 Analog Devices and Circuits, 3.0 sem hrs
Introduces the concepts of circuit simplification via idealizations, approximations and an overview of semiconductor devices and their electrical properties. Emphasis is placed on circuit analysis. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Co-Reqs: EET1021
Pre-Reqs: EET1011 AND EET1011L
Conc-Reqs: EET1141L

EET1141L Analog Devices and Circuits Lab, 1.0 sem hrs
Introduces the concepts of circuit simplification via idealizations, approximations and an overview of semiconductor devices and their electrical properties. Emphasis is placed on circuit analysis. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Conc-Reqs: EET1141
Lab Fees: $25.00

EET1607 Electronics Assembly and Cabling, 2.0 sem hrs
This course involves lab environment training in communications cabling and electronics assembly techniques. Topics covered include computer network cable fabrication, installation, and management, safety, testing and troubleshooting, cabling industry standards, component recognition, soldering and desoldering methods, and reading and drawing of schematics. FA, SP

Conc-Reqs: EET1607L

EET1607L Electronics Assembly and Cabling Lab, 1.0 sem hrs
This course involves lab environment training in communications cabling and electronics assembly techniques. Topics covered include computer network cable fabrication, installation, and management, safety, testing and troubleshooting, cabling industry standards, component recognition, soldering and desoldering methods, and reading and drawing of schematics. FA, SP

Conc-Reqs: EET1607
Lab Fees: $30.00

EET2142 Analog Circuits and Basic Analog Communications, 3.0 sem hrs
Circuits covered are more complex in applications. Includes FET circuitry, amplitude/phase shift response of transistor circuits, integrated circuits and negative and positive feedback circuits. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: EET1141 AND EET1141L
Conc-Reqs: EET2142L

EET2142L Analog Circuits and Basic Analog Communications Lab, 1.0 sem hrs
Circuits covered are more complex in applications. Includes FET circuitry, amplitude/phase shift response of transistor circuits, integrated circuits and negative and positive feedback circuits. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Conc-Reqs: EET2142
Lab Fees: $10.00

EET2326 Wireless Communications, 3.0 sem hrs
A comprehensive study of electronic communication systems, including topics in fiber optic, AM/FM radio, transmission lines, antennas, wave propagation, microwave techniques and other broadcast technologies. SP

Pre-Reqs: EET2142 AND EET2142L
Conc-Reqs: EET2326L

EET2326L Wireless Communications Lab, 1.0 sem hrs
A comprehensive study of electronic communication systems, including topics in fiber optic, AM/FM radio, transmission lines, antennas, wave propagation, microwave techniques and other broadcast technologies. SP

Conc-Reqs: EET2326
Lab Fees: $25.00

EET2905 Directed Study in Electronics, 4.0 sem hrs
Directed Study in Electronics FA, SP, SU

EET2949 Cooperative Education Experience in Electronics, 1.0 - 4.0 sem hrs
(Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) FA, SP, SU Course does not show up in regular catalog schedule until you are registered. You are not officially registered until you have completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. Required to complete 80-320 program contact hours in the field based on program 1-4 credit hour course requirement. (Average of 12-15 hours a week at an employer worksite) 1credit=80 contact hrs. 2credits=160 contact hrs. 3credits=240 contact hrs. 4credits=320 contact hrs. To register contact the Chairperson of your Department, or Cheryl Miller - Work Experience Coordinator millerc@DaytonaState.edu 386-506-4143 - Technology Campus

EET3085 Electricity and Electronics, 3.0 sem hrs
Basic theorems and circuit analysis techniques. Instruments and measurements. Introduction to integrated circuits FA, SP, SU

Pre-Reqs: MAC1105 OR MAC1114 OR MAC1140 OR MAC2311
Conc-Reqs: EET3085L

EET3085L Electricity and Electronics Lab, 1.0 sem hrs
Lab component for; Basic theorems and circuit analysis techniques. Instruments and measurements.

Introduction to integrated circuits FA, SP, SU

Conc-Reqs: EET3085
Lab Fees: $19.00

EET3086 Principles of Electrical Circuits, 3.0 sem hrs

DC, AC circuits and electronics. Theorems and circuit analysis techniques. Introduction to transducers, instrumentation, measurements and circuits simulation. FA, SP, SU

Pre-Reqs: MAC1105

EET3716 Network Analysis, 3.0 sem hrs

Transient analysis of first and second-order circuits, circuit analysis using LaPlace Transforms. Transform function, frequency response analysis, and Bode plots. FA

Pre-Reqs: MAC2311 AND EET1021 AND EET3085

EET4158 Linear Integrated Circuits, 3.0 sem hrs

Applications of operational amplifiers, comparators, phase-locked loops, timers, regulators, other integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators. SP

Pre-Reqs: EET3716 AND EET2142 AND EET1141
Conc-Reqs: EET4158L

EET4329 Communications Systems, 3.0 sem hrs

Principles and interrelationships of communication system components and circuits. Signals, noise, modulation, demodulation, bandwidth requirements. Transmitters and receivers. Course descriptions are updated from time to time with new relevant information. SU

Pre-Reqs: EET3716
Conc-Reqs: EET4329L

EET4329L Communications Systems Lab, 1.0 sem hrs

Lab Component for; Principles and interrelationships of communication system components and circuits. Signals, noise, modulation, demodulation, bandwidth requirements. Transmitters and receivers. Course descriptions are updated from time to time with new relevant information. SU

Conc-Reqs: EET4329
Lab Fees: $22.00

EET4732 Feedback Control Systems, 3.0 sem hrs

"Analysis of networks and control systems. Stability and Compensation considerations, root locus, Nichols chart and Bode plots. Simulation techniques, systems components " SP

Pre-Reqs: PHY1053 AND MAC2311 AND EET3716
Conc-Reqs: EET4732L

EET4732L Feedback Control Systems Lab, 1.0 sem hrs

"Lab component for; Analysis of networks and control systems. Stability and Compensation considerations, root locus, Nichols chart and Bode plots. Simulation techniques, systems components SP "

Conc-Reqs: EET4732
Lab Fees: $22.00

EEX - Education (Exceptional Child)

EEX1600 Classroom Management (Early Childhood), 3.0 sem hrs
Course designed to acquaint the student with factors that influence learning and behavior, and with strategies for changing behavior. This course is required as part of the AS Degree program in Early Childhood Education. SU

EEX2010 Introduction to Special Education, 3.0 sem hrs
The purpose of this course is to provide an introduction to exceptional student education and includes basic information on etiology and characteristics as well as the programs and services provided to this population. This course requires field experience in the public schools with at least one ESE student. This course will help satisfy the graduation requirements of the Associate of Arts (AA) degree. This course may be offered during the FA and SP term.

Pre-Reqs: EDF1005

EEX2080 Teaching the Exceptional Learner, 3.0 sem hrs
This course provides students with strategies and methods to teach learners, birth through 8, with special needs. This course is required as part of the AS Degree program in Early Childhood Education. SU

EEX3240 Organization, Curriculum Theory and Instructional Strategies, 2.0 sem hrs
The purpose of this course is to focus on the development of well-researched methods for teaching reading, language arts, and math at the K-12 levels for exceptional students. It includes teaching and remedial methodology for promoting progress in basic academic subject matter, rates of presentation, and techniques of motivation. This course requires field experience in the public schools. This course is a 7 week class and may be offered during the FA or SP term.

EEX3280 Career/Vocational Assessment and Planning, 2.0 sem hrs
The purpose of this course is to introduce special educators to the career and vocational futures of mildly and severely handicapped youth. Two general areas that will be developed include (a) career/vocational content, and (b) basic skills expected of special education students. This course is a 7 week class and may be offered during the FA, SP or SU term.

EEX4070 Teaching Exceptional Students, 3.0 sem hrs
The purpose of this course is to provide an examination of the various stages of human development and their relationship to contemporary theories of learning including motivation of at-risk urban and special needs students. This course requires field experience in the public schools with at least one ESE student. This course is a 7 week class offered during the FA and SP terms.

Pre-Reqs: TSL3080 AND EDF4430

EEX4221 Assessment of Exceptional Education Students, 3.0 sem hrs
The purpose of this course is to examine the various assessment strategies for diagnosis and intervention of learning, behavioral, and developmental needs of students who qualify for exceptional student education (ESE) services. It will include development of individual education plans to align curriculum,

instructional methods, and evaluations to meet the identified needs of students. This course requires field experience in the public schools. This course is a 7 week class and may be offered during the FA or SP term.

Pre-Reqs: EDF4430

EEX4242 Teaching Exceptional Students in Secondary Schools, 3.0 sem hrs

The purpose of this course is to examine specific instructional interventions, approaches, current issues, curriculum, and learning strategies appropriate for working with adolescents with exceptional needs in a secondary setting. This course requires field experience in the public schools with at least one ESE student. This course is a 7 week class and may be offered during the FA or SP term.

Pre-Reqs: TSL3080 AND EDF4430

EEX4601 Behavior Management, 3.0 sem hrs

The purpose of this course is to provide familiarization, observation, and application of effective behavior management principles for general and exceptional students in preschool through grade 12 educational settings. It will explore the historical foundations for understanding behavior, implications for discipline, and measurement, charting, assessment, and strategies for modifying behavior. It will include practical application of these principles for working with students with linguistic, cultural, behavioral, and diverse learning characteristics. This course requires field experience in a public school. This course is a 7 week class and may be offered during the FA or SP term.

Pre-Reqs: TSL3080

EEX4943 Student Externship, 9.0 sem hrs

The purpose of this course is to be the culmination of all principles learned throughout the pre-service education program. This course is the student internship class and requires the pre-service teacher to experience working as a full-time teacher in an elementary, middle or high school setting for one semester. This course is a full term 15 week class offered during the FA and SP terms.

EGN - Engineering (General/Support)

EGN3343 Thermodynamics, 3.0 sem hrs

This course will allow students to develop an understanding and solve problems related to work, heat, energy transformations, and relation of properties: including laws, concepts, and modes of analysis common to all applications of thermodynamics in engineering. FA, SP, SU

Co-Reqs: MAP3401 OR MAP2302
Pre-Reqs: ETG3541

EGS - Engineering (Support)

EGS1000 Professional Performance for Technicians, 3.0 sem hrs

Introduction to professional training activities related to organizations including interpersonal relationships, problem solving, goal settings, ethics, policy and procedures, personal development and organizational structures and cultures. FA, SP, SU

EGS1111 Engineering Drawing, 2.0 sem hrs

An introductory course in descriptive geometry, engineering graphics, and drafting principles including

orthographic projection, isometric drawings, and engineering problem layout which includes an introduction to computer-aided drafting (AutoCAD). FA

Conc-Reqs: EGS1111L

EGS1111L Engineering Drawing Lab, 1.0 sem hrs

An introductory course in descriptive geometry, engineering graphics, and drafting principles including orthographic projection, isometric drawings, and engineering problem layout which includes an introduction to computer-aided drafting (AutoCAD). FA

Conc-Reqs: EGS1111

EGS2650 Technical Ethics, 1.0 sem hrs

This course is designed to make the student aware of the ethical responsibilities associated with extensive technical knowledge. Topics to be explored include electronic privacy intrusion, proprietary product knowledge and unclear or untried legislation regarding technical capabilities. FA, SP

EGS2905 Directed Study in Electronics, 1.0 - 4.0 sem hrs

Directed Study in Engineering FA, SP, SU

EME - Education

EME2040 Introduction to Education Technology, 3.0 sem hrs

The purpose of this course is to serve as a practical course in computer-assisted educational research, curriculum development, and instruction for the multimedia classroom. Adaptations for Exceptional Student Education and English Language Learner students are included in the course. This course will help satisfy the graduation requirements of the Associate of Arts (AA) degree. This course is offered during the FA, SP and SU terms.

EME3434 Integrating Technology into Math and Science, 3.0 sem hrs

The purpose of this course is to explore the multitude of technologies currently available for use in secondary classrooms; evaluate them and determine the appropriateness of their use in a diverse 6-12 classroom. This course is a 7 week class and may be offered during the FA or SP term.

Pre-Reqs: EDG4323 AND EDF4430 AND EME2040

EMS - Emergency Medical Services

EMS1119 Emergency Medical Technician I, 7.0 sem hrs

Emphasizes basic life support skills necessary to work as an Emergency Medical Technician. Skills include assessment and pre-hospital care of the sick and injured. This course prepares the student for state licensure and the paramedic curriculum. FA, SP, SU

Co-Reqs: EMS1431 AND EMS1401L

EMS1335 Emergency Vehicle Operators Course, 1.0 sem hrs

Designed to meet the Florida Department of Health, Bureau of EMS requirements that all emergency vehicle operators employed by EMS providers must have completed an emergency vehicle driving program. The course combines lecture with a driving laboratory. Students who are not active duty

military must show proof of a valid Florida Driver's License. FA, SP, SU

Co-Reqs: EMS1431 AND EMS1401L AND EMS1119

EMS1401L Emergency Medical Technician I Lab, 2.0 sem hrs

This course is designed to develop skills necessary for state licensing and employment as an Emergency Medical Technician. It emphasizes practical application of pre-hospital emergency care procedures in EMS 1119. (Corequisites: EMS 1119 and EMS 1431.) FA, SP, SU

Co-Reqs: EMS1119 AND EMS1431
Lab Fees: $150.00

EMS1431 Emergency Medical Technician Clinical/Field Experience, 2.0 sem hrs

This course is designed to fuse the theory learned in lecture and skills learned in lab while participating as part of the Emergency Medical Services (EMS) team in the pre-hospital and hospital settings. Students will participate in clinical rotations in an Emergency Department and on-board and Advanced Life Support (ALS) ambulance. FA, SP, SU

Co-Reqs: EMS1401L AND EMS1119

EMS2603 Paramedic I, 9.0 sem hrs

The Paramedic is a certified allied health provider qualified in advanced life support. Skills and knowledge include recognition, assessment and management of the acutely ill or injured patient. This course serves as the building block to prepare the candidate with the necessary background information and basic cognitive knowledge to successfully complete the Paramedic program. FA, SP, SU

Co-Reqs: EMS2666
Conc-Reqs: EMS2603L

EMS2603L Paramedic I Lab, 4.0 sem hrs

Practical application of the didactic and laboratory instruction received in EMS 2603 to include advanced patient assessment, airway management, clinical decisions, communications and documentation. FA, SP, SU

Co-Reqs: EMS2666
Conc-Reqs: EMS2603
Lab Fees: $235.00

EMS2604 Paramedic II, 9.0 sem hrs

This course emphasizes the recognition and advanced pre-hospital care of the traumatically injured patient and the patient presenting with a medical emergencies related to respiratory, cardiovascular, neurological, endocrine, gastroenterologic, renal or urologic, toxic exposure, environmental, behavioral, gynecologic and obstetric pathologies. FA, SP,SU

Co-Reqs: EMS2667
Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L
Conc-Reqs: EMS2604L

EMS2604L Paramedic II Lab, 3.0 sem hrs

Practical application of the didactic and laboratory instruction received in EMS 2604 to include advanced patient assessment, clinical decisions, communications, and documentation. FA, SP, SU

Co-Reqs: EMS2667
Pre-Reqs: EMS2603 AND EMS2666 AND EMS2603L
Conc-Reqs: EMS2604
Lab Fees: $155.00

EMS2605 Paramedic III, 8.0 sem hrs

This course presents information on the pathophysiological principles and assessment findings of patients with special needs and integrates assessment-based management with clinical decision-making and transport considerations. It also develops an awareness of special considerations in the application and delivery of Emergency Medical Services and further defines the role of the Paramedic within the EMS system. FA, SP, SU

Co-Reqs: EMS2668 AND EMS2659
Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667
Conc-Reqs: EMS2605L

EMS2605L Paramedic III Lab, 3.0 sem hrs

Practical application of the didactic and laboratory instruction received in EMS 2605 to include advanced patient assessment, airway management, clinical decision-making, communication skills and documentation. FA, SP, SU

Co-Reqs: EMS2668 AND EMS2659
Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667
Conc-Reqs: EMS2605
Lab Fees: $170.00

EMS2659 Paramedic Field Internship, 3.0 sem hrs

This is the capstone course of the Paramedic program. Interns will participate as lead crewmembers aboard a licensed Advanced Life Support transport ambulance during a 240-hour field internship with an assigned preceptor. FA, SP, SU

Co-Reqs: EMS2605 AND EMS2605L
Pre-Reqs: EMS2604 AND EMS2667 AND EMS2604L
Lab Fees: $150.00

EMS2666 Paramedic Clinical I, 1.0 sem hrs

Rotation through various departments of local hospitals, health department and Advanced Life Support EMS providers performing invasive and noninvasive paramedic skills under the direct supervision of the clinical instructor and/or assigned preceptor. The EMS program clinical coordinator or designee will provide clinical schedules. Students are responsible for transportation to and from the clinical sites. FA, SP, SU

Co-Reqs: EMS2603 AND EMS2603L

EMS2667 Paramedic Clinical II, 2.0 sem hrs

Rotation through various departments of local hospitals, health department and Advanced Life Support EMS providers performing invasive and non-invasive paramedic skills under the direct supervision of the clinical instructor and/or assigned preceptor. The EMS program clinical coordinator or designee will provide clinical schedules. Students are responsible for transportation to and from the clinical sites. FA, SP, SU

Co-Reqs: EMS2604 AND EMS2604L

Pre-Reqs: EMS2603 AND EMS2603L

EMS2905 Directed Study in Emergency Medical Services, 3.0 sem hrs
Directed Study in Emergency Medical Services FA, SP, SU

EMS2949 Cooperative Education Experience in Emergency Medical Services, 1.0 - 4.0 sem hrs
Cooperative Education Experience in Emergency Medical Services FA, SP, SU

ENC - English Language and Literature

ENC0015 Writing I, 3.0 college prep hrs
An introduction to composition designed to help students gain proficiency in basic writing skills. Upon exiting the course, students will write adequately developed, logically organized paragraphs and short expository essays. Required for students scoring 89 or below on the PERT exam used for college placement. (ENC 0015/0015L cannot be used toward the AA or AS degree requirements.) FA, SP, SU

Conc-Reqs: ENC0015L

ENC0015L Writing I Lab, 1.0 college prep hrs
Lab component for ENC 0015. An introduction to composition designed to help students gain proficiency in basic writing skills. Upon exiting the course, students will write adequately developed, logically organized paragraphs and short expository essays. Required for students scoring 89 or below on the PERT exam used for college placement.. (ENC 0015/0015L cannot be used toward the AA or AS degree requirements.) FA, SP, SU

Conc-Reqs: ENC0015

ENC0025 Writing II, 3.0 college prep hrs
An introduction to composition designed to help students gain proficiency in basic writing skills. Upon exiting the course, students will write adequately developed, logically organized expository essays. Required for students scoring between 90 and 98 on the PERT exam used for college placement. (ENC 0025/0025L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Pre-Reqs: ENC0015
Conc-Reqs: ENC0025L

ENC0025L Writing II Lab, 1.0 college prep hrs
Lab component for ENC 0025. An introduction to composition designed to help students gain proficiency in basic writing skills. Upon exiting the course, students will write adequately developed, logically organized expository essays. Required for students scoring between 90 and 98 on the PERT exam used for college placement. (ENC 0025/0025L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Pre-Reqs: ENC0015L
Conc-Reqs: ENC0025

ENC1101 College Composition, 3.0 sem hrs
Designed to develop skills in expressive, expository and persuasive writing, theme construction and style. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: ENC0025 AND REA0017

ENC1102 Literature and Composition, 3.0 sem hrs
An introduction to the study of literature, together with the development of writing and research skills. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: ENC1101

ENC2210 Report Writing, 3.0 sem hrs
Principles and techniques for presenting technical and job related information, including primary research, graphically as well as in clear, concise written form. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: ENC1101

ENG - English Language and Literature

ENG2100 Introduction to Film, 3.0 sem hrs
Designed to enable students to better understand the structure of individual films and the means by which films tell stories. The course will focus on the elements of film, technology, and/or popular topics in film. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: ENC1101

ENG2905 Directed Study in English, 1.0 - 3.0 sem hrs
Directed Study in English (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

ENL - English Lanuguage and Literature

ENL2931 Selected Topics in Shakespeare, 3.0 sem hrs
Course focuses on Shakespeares plays and poetry. Students read and view plays, including the study of staging, plot, characterization and language in Shakespearean works. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. Course is also offered in SU as part of the Cambridge University Summer Program in Cambridge, England. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: ENC1101

ESE - Education

ESE4943 Student Internship, 9.0 sem hrs
The purpose of this course is to be the culmination of all principles learned throughout the pre-service education program. This course is the student internship class and requires the pre-service teacher to experience working as a full-time teacher in a middle or high school setting for one semester. This course is a full term 15 week class offered during the FA and SP terms.

ESE4945 Internship Seminar, 3.0 sem hrs

The purpose of this course is to serve as the support course accompanying the pre-service teacher's senior internship. The focus of the course will be to discuss issues in the public school setting they are working in, competencies which need to be addressed, and professional development plans. This course is a full term 15 week class offered during the FA and SP terms.

ETC - Engineering Technology (Civil)

ETC2207 Construction Planning and Estimating, 2.0 sem hrs

Construction project organization and management, contracting and construction. Estimating fundamentals: square-foot estimates; quantity take-off; unit pricing; direct and indirect costs. Scheduling: network diagram setting and critical path analysis; bar charts; resource analysis; project control. Manual and computer approaches are used. Project: estimate and schedule a small facility construction. FA

Pre-Reqs: BCN1210
Conc-Reqs: ETC2207L

ETC2207L Construction Planning and Estimating Lab, 1.0 sem hrs

Construction project organization and management, contracting and construction. Estimating fundamentals: square-foot estimates; quantity take-off; unit pricing; direct and indirect costs. Scheduling: network diagram setting and critical path analysis; bar charts; resource analysis; project control. Manual and computer approaches are used. Project: estimate and schedule a small facility construction. FA

Conc-Reqs: ETC2207

ETC2245 Construction Methods, 3.0 sem hrs

Civil Engineering specialized methods including: site investigation; foundation construction; piles and pile driving; drilling rock and earth; rock blasting; conveyor belt systems; production of aggregates; compressed air; and pumping operations. Cursory review of Construction Codes and Licensing requirements. Small research project on special construction methods or systems. SP

ETC4206 Construction Estimating, 3.0 sem hrs

Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized.

Pre-Reqs: MAC1114 AND ETC4241

ETC4241 Construction Materials and Methods, 2.0 sem hrs

Construction principles, details, materials and methods used as related to the construction of buildings.

Pre-Reqs: ETG3541
Conc-Reqs: ETC4241L

ETC4241L Construction Materials and Methods Lab, 1.0 sem hrs

Lab component for; Construction principles, details, materials and methods used as related to the construction of buildings.

Conc-Reqs: ETC4241

ETC4414 Structural Steel Design, 2.0 sem hrs

Introduction to indeterminate analysis, design of steel members, components and connections using

current code and specification requirements.

Pre-Reqs: ETG3533
Conc-Reqs: ETC4414L

ETC4414L Structural Steel Design Lab, 1.0 sem hrs
Lab component for; Introduction to indeterminate analysis, design of steel members, components and connections using current code and specification requirements.

Conc-Reqs: ETC4414

ETC4415 Structural Concrete Design, 2.0 sem hrs
Strength design of reinforced concrete members, foundations, slabs,and walls. Current code and specification requirements.

Pre-Reqs: ETG3533
Conc-Reqs: ETC4415L

ETC4415L Structural Concrete Design Lab, 1.0 sem hrs
Lab component for; Strength design of reinforced concrete members, foundations, slabs,and walls. Current code and specification requirements.

Conc-Reqs: ETC4415

ETD - Engineering Technology (Drafting)

ETD2320 Computer Aided Drafting I (AutoCAD), 2.0 sem hrs
An applications course in computer aided drafting covering equipment, drawing setup, creating geometry, use of text, dimensioning, plotting, rendering, and file management. Course work intended to prepare students for the AutoCAD User Certification Test. Prior course or experience with drafting principles is recommended. FA, SP

Conc-Reqs: ETD2320L

ETD2320L Computer Aided Drafting I (AutoCAD) Lab, 1.0 sem hrs
A first course in computer aided drafting covering equipment, drawing setup, creating geometry, use of text, dimensioning, plotting and file management. FA, SP, SU

Conc-Reqs: ETD2320
Lab Fees: $15.00

ETD2340 Computer Aided Drafting II (AutoCAD), 2.0 sem hrs
An advanced course in computer aided drafting covering external references, dynamic blocks, meshes, customization, table-driven design, advanced rendering and 3-D modeling. Course work intended to prepare students for Auto CAD Associate Certification Test. FA, SP

Pre-Reqs: ETD2320
Conc-Reqs: ETD2340L

ETD2340L Computer Aided Drafting II (AutoCAD) Lab, 1.0 sem hrs
An intermediate course in computer aided drafting covering hatching, external references, blocks, attributes and 3-D modeling. FA, SP, SU

Conc-Reqs: ETD2340
Lab Fees: $15.00

ETD2350 Computer Aided Design Applications (AutoCAD), 2.0 sem hrs

Advanced applications course utilizing CAD software to produce finished drawings. Topics include Windows operating system, text editors, software variables, menu modification, macros, and programming FA

Pre-Reqs: ETD2320
Conc-Reqs: ETD2350L

ETD2350L Computer Aided Design Applications (AutoCAD) Lab, 1.0 sem hrs

Advanced applications course utilizing CAD software to produce finished drawings. Topics include Windows operating system, text editors, software variables, menu modification, macros, and programming FA

Conc-Reqs: ETD2350
Lab Fees: $15.00

ETD2357 Inventor Solid Modeling, 2.0 sem hrs

Beginning course in 3D modeling using AutoDesk INVENTOR software. Topics include generation of engineering drawings and animated presentations from part and assembly models. Course work intended to prepare students for the INVENTOR User Certification Test. FA, SP

Conc-Reqs: ETD2357L

ETD2357L Inventor Solid Modeling Lab, 1.0 sem hrs

This is the lab component for inventor solid modeling, including advanced course in drafting using software for 3D modeling and surface generation. FA, SP

Conc-Reqs: ETD2357
Lab Fees: $15.00

ETD2364 SolidWorks Solid Modeling, 2.0 sem hrs

A course covering the creation of 3D solid models for manufacturing utilizing SOLIDWORKS software. Topics include sketching, dimensioning, extruding, revolves, sweeps, booleans, shelling, assemblies, drawing creation, design tables, exploded views and rendering. Coursework intended to prepare students for CSWA (Certified SOLIDWORKS Associate) examination which is given at the conclusion of the course. FA, SP

Conc-Reqs: ETD2364L

ETD2364L SolidWorks Solid Modeling Lab, 1.0 sem hrs

A course covering the creation of 3D solid models for manufacturing utilizing SolidWorks software. Topics include sketching, dimensioning, extruding, revolves, sweeps, booleans, shelling, assemblies, drawing creation, design tables, exploded views and rendering. SP

Conc-Reqs: ETD2364
Lab Fees: $15.00

ETD2368 SolidWorks II, 2.0 sem hrs

A second course in SOLIDWORKS covering more advanced skills and applications. Topics include core and cavity, weldments, surfaces, multibodies, troubleshooting, layout sketches, libraries, and design tables. Coursework intended to prepare students for CSWP (Certified SOLIDWORKS Professional) examination. SP

Conc-Reqs: ETD2368L

ETD2368L SolidWorks II Lab, 1.0 sem hrs
Lab component for; Solidworks covering more advanced skills and applications. Topics include core and cavity, weldments, surfaces, piping and wiring, management of large assemblies, and design tables. SP

Conc-Reqs: ETD2368

ETD2377 3D Computer Animation (3D Studio), 2.0 sem hrs
An introductory course in 3D animation for technical graphics that includes object creation, editing, lighting, materials, keyframing and rendering. FA

Conc-Reqs: ETD2377L

ETD2377L 3D Computer Animation (3D Studio) Lab, 1.0 sem hrs
An introductory course in 3D animation for technical graphics that includes object creation, editing, lighting, materials, keyframing and rendering. SP

Conc-Reqs: ETD2377
Lab Fees: $15.00

ETD2390 Introduction to Revit Architecture, 2.0 sem hrs
Architectural design and drafting utilizing REVIT software by AutoDesk which is used for Building Information Management (BIM) as various building components and systems are incorporated in a project. FA

Conc-Reqs: ETD2390L

ETD2390L Introduction to Revit Architecture and Lab, 1.0 sem hrs
Lab component: An introductory course for Architectural design and drafting utilizing Revit Architecture software. Topics include techniques and methods to create floor plans, doors, windows, roofs, stairs, annotations, elevations, sections, and commercial structures. FA

Conc-Reqs: ETD2390

ETD2395 Architectural CAD, 2.0 sem hrs
Architectural design and drafting utilizing Architectural CAD software by AutoDesk . Topics include floor plans, doors, windows, roofs, stairs, annotations, elevations, sections and commercial structures. SP

Conc-Reqs: ETD2395L

ETD2395L Architectural CAD Lab, 1.0 sem hrs
Architectural design and drafting utilizing Revit by AutoDesk software in Fall 2010 and Architectural Desktop software by AutoDesk in Spring 2011. Topics include floor plans, doors, windows, roofs, stairs, annotations, elevations, sections and commercial structures. FA, SP

Conc-Reqs: ETD2395

Lab Fees: $15.00

ETD2465 Tool Design, 2.0 sem hrs

An entry-level course covering theory, principles and techniques for the modern design of part holding devices, jigs, fixtures and tooling, including related drawings, geometric dimensioning and tolerancing (G,D & T), and efficiency calculations. SP

Conc-Reqs: ETD2465L

ETD2465L Tool Design Lab, 1.0 sem hrs

An entry-level course covering theory, principles and techniques for the modern design of tools, jigs, fixtures and related tooling. SP

Conc-Reqs: ETD2465

ETD2540 Civil Drafting and Surveying (CAD), 2.0 sem hrs

Interpretation of USGS maps. Theory and application of field data in measurements, land surveying and grading; surveying data acquisition, lot, building lines and grades layout; drawing contour lines; street and highway plans, profiles and cross-sections, excavation quantities, horizontal circular curves and vertical curves for road work. Drawings are prepared using AutoCAD Civil 3D computer software. SP

Pre-Reqs: ETD2320
Conc-Reqs: ETD2540L

ETD2540L Civil Drafting and Surveying (CAD) Lab, 1.0 sem hrs

Interpretation of USGS maps. Theory and application of field data in measurements, land surveying and grading; surveying data acquisition. Lot, building lines and grades layout. Drawing contour lines, street and highway plans, profiles and cross-sections. Excavation quantities. Horizontal circular curves and vertical curves for road work. Drawings are prepared using CAD computer software. FA

Conc-Reqs: ETD2540
Lab Fees: $15.00

ETD2805 Technical Illustration, 2.0 sem hrs

Methods and techniques of pictorial drawing as related to mechanical and industrial graphics using AutoCAD. FA

Pre-Reqs: ETD2320
Conc-Reqs: ETD2805L

ETD2805L Technical Illustration Lab, 1.0 sem hrs

Methods and techniques of pictorial drawing as related to mechanical and industrial graphics using AutoCAD. FA

Conc-Reqs: ETD2805

ETG - Engineering Technology (General)

ETG2520 Statics and Strength of Materials, 3.0 sem hrs

Course which introduces mathematical concepts needed to calculate the design parameters of structural components. FA

Pre-Reqs: MTB1348 OR MAC1105

ETG2906 Directed Study in Engineering, 1.0 - 4.0 sem hrs
Directed Study in Engineering FA, SP, SU

ETG2949 Cooperative Education Experience in Engineering, 1.0 - 4.0 sem hrs
(Prerequisite: 12 semester hours of approved Building and Architecture Technology courses and permission of the Building and Architecture Technology chairperson.) FA, SP, SU Course does not show up in regular catalog schedule until you are registered. You are not officially registered until you have completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. Required to complete 80-320 program contact hours in the field based on program 1-4 credit hour course requirement. (Average of 12-15 hours a week at an employer worksite) 1credit=80 contact hrs. 2credits=160 contact hrs. 3credits=240 contact hrs. 4credits=320 contact hrs. To register contact the Chairperson of your Department, or Cheryl Miller - Work Experience Coordinator millerc@DaytonaState.edu 386-506-4143 - Technology Campus

ETG3533 Engineering Strength of Materials, 2.0 sem hrs
Relationship between external forces and action of members of a structure. Topics include stress, shear, moment, deflections, columns, connections, and Mohr's circle.

Co-Reqs: MAC2311 OR MAC2233
Pre-Reqs: MAC2311
Conc-Reqs: ETG3533L

ETG3533L Engineering Strength of Materials Lab, 1.0 sem hrs
Lab component for; Relationship between external forces and action of members of a structure. Topics include stress, shear, moment, deflections, columns, connections, and Mohr's circle.

Conc-Reqs: ETG3533
Lab Fees: $25.00

ETG3541 Applied Mechanics, 3.0 sem hrs
Coplanar, parallel, concurrent, and non-concurrent force systems. Centroids, centers of gravity, and moments of inertia. Principles of dynamics, rectilinear motion and rotation, work, energy, power, impulse, momentum, and impact.

Pre-Reqs: PHY1053 OR PHY2048

ETG4950 Project Management and Senior Design II, 2.0 sem hrs
Supervised individual or group projects involving project definition, planning, development, testing, and evaluation.

Pre-Reqs: ETI4448 AND COP2001 OR COP2220
Conc-Reqs: ETG4950L

ETG4950L Project Management and Senior Design II Lab, 1.0 sem hrs
Lab component for: supervised individual or group projects involving project definition, planning, development, testing, and evaluation.

Conc-Reqs: ETG4950

ETI - Engineering Technology (Industrial)

ETI3116 Engineering Quality Assurance, 3.0 sem hrs
Fundamentals of industrial quality control. Technical specifications, measurements standards, inspection, and gaging. Process control techniques.

Pre-Reqs: STA2023

ETI3421 Materials and Processes, 3.0 sem hrs
A study of fundamental properties of materials. Current industrial practices in founding, forming, joining and shaping processes.

Pre-Reqs: MAC1105 AND MAC1114

ETI3671 Technical Economics Analysis, 3.0 sem hrs
Analysis of cost elements in technical operations. Basis for comparison of alternatives.

Pre-Reqs: MAC1105

ETI3690 Technical Sales, 3.0 sem hrs
Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors.

ETI4186 Applied Reliability, 3.0 sem hrs
Practical application of reliability concepts and the analysis applicable to design, development, production, logistic, and operation phases of system components.

Pre-Reqs: ETI3116

ETI4205 Applied Logistics, 3.0 sem hrs
Emphasis on practical applications. Includes systems engineering, cost/systems effectiveness, reliability, maintainability, system functional analysis, logistic support, analysis, life cycle cost analysis.

ETI4448 Project Management and Senior Design I, 3.0 sem hrs
Statement of work, activity decisions, timelines, scheduling and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations.

ETI4635 Technical Administration, 3.0 sem hrs
This course provides an overview of the techniques of applying management principles to professional positions held by Engineering Technologists and Engineers. The management functions of planning, organizing, leading, and controlling are discussed with their role in managing technology

Pre-Reqs: MAC1105

ETI4640 Operations Management, 3.0 sem hrs
The course will provide an overview of the tools and techniques used in the ten important decision areas related to operations. The course will also review realistic case studies for best practices in decision

making and operations management.

Pre-Reqs: ETI4635

ETI4704 Occupational Safety, 3.0 sem hrs

Accident prevention and the operation of an industrial safety program. Basic requirements of the occupational safety and Health Act standards.

ETM - Engineering Technology (Mechanical)

ETM2315 Simulation Power and Control, 2.0 sem hrs

Electro-mechanical, Hydraulics and Pneumatics A practical approach to technical problems involving hydraulics and pneumatics, fluid mechanics, hydrostatic forces, and pipe and pump operation including the electrical circuitry needed to operate and control mechanical and hydraulic/pneumatic systems. FA

Pre-Reqs: EET1021 AND COP1000
Conc-Reqs: ETM2315L

ETM2315L Simulation Power and Control Lab, 1.0 sem hrs

Electro-mechanical, Hydraulics and Pneumatics A practical approach to technical problems involving hydraulics and pneumatics, fluid mechanics, hydrostatic forces, and pipe and pump operation including the electrical circuitry needed to operate and control mechanical and hydraulic/pneumatic systems. FA

Conc-Reqs: ETM2315
Lab Fees: $25.00

ETM4220 Energy Systems, 3.0 sem hrs

Introduction to energy, work, and thermal systems and processes. Fundamentals of thermodynamics, electricity and nuclear principles and applications, renewable energy and efficiency of energy resources and effects on the environment.

Pre-Reqs: MAC2311

ETM4331 Applied Fluid Mechanics, 3.0 sem hrs

An introduction to the basic concepts of hydrostatics and hydrodynamics covering fluid statics, flow of ideal fluids, continuity of mass, impulse and momentum principles, conservation of energy, flow of fluid in pipes, etc.

Pre-Reqs: PHY1053 AND MAC2311 OR MAC2233

ETM4512 Design of Machine Elements, 3.0 sem hrs

Design of basic machine elements, including cams, gears, bearings, and coupling, taking into account loads, stresses, and strength of materials.

Pre-Reqs: MAC2311 AND MAP3401 AND ETG3533 AND ETG3541

ETP - Engineering Technology (Power)

ETP4240 Power Systems, 3.0 sem hrs

Analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault

calculations. FA

Pre-Reqs: EET3085 AND EET1021
Conc-Reqs: ETP4240L OR EET4548L

ETP4240L Power Systems Lab, 1.0 sem hrs

Apply knowledge of analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault calculations. FA

Conc-Reqs: ETP4240 OR EET4548

EUH - History

EUH2000 History of Western Civilization to 1648, 3.0 sem hrs

An analysis of the major changes in the societies of western man, from the Middle Eastern origins through the Protestant Reformation. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: ENC1101

EUH2001 History of Western Civilization from 1648 to Present, 3.0 sem hrs

An examination of the historical evolution and diffusion of western institutions and ideas, including nationalism, the modern state, totalitarianism and democracy. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: ENC1101

EUH2905 Directed Study in European History, 3.0 sem hrs

Directed Study in European History (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

EVR - Environmental Studies

EVR2001 Environmental Science, 3.0 sem hrs

This is an introductory lecture course linking the human and physical/biological worlds. The course will help students to develop an understanding of population and resource interactions. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: BSC1010 AND CHM1025L AND CHM1025 AND BSC1010L AND MAC1105
Conc-Reqs: EVR2001L

EVR2001L Environmental Science Lab, 1.0 sem hrs

This is an introductory lab course linking the human and physical/biological worlds. The course will help students to develop an understanding of population and resource interactions. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Conc-Reqs: EVR2001

EVR2861 Environmental Policy, 3.0 sem hrs

This course surveys the history and current conditions of environmental policy development and decision-making in the U.S. with emphasis on how policy is made and the conceptual structure, practical implementation, and underlying rationale of environmental policies and regulations. This course is designed to provide an overview of general environmental and land use law including permitting, enforcement, toxic substances, and environmental litigation issues. The student will study cases, learn about federal, state and local agencies that regulate and enforce environmental law and policy. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Co-Reqs: EVR2001 AND EVR2001L
Pre-Reqs: ENC1101

EVR2933 Environmental Seminar, 1.0 sem hrs

This course requires that students create a peer-reviewed presentation synthesizing all learned material, sampling methods, analytical techniques, and data analysis as well as experiences gained via their Environmental Internship position. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Co-Reqs: EVR2943

EVR2943 Environmental Internship, 3.0 sem hrs

This course provides students with meaningful work experience in the field of environmental science. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Co-Reqs: PCB2033 AND EVR2933
Pre-Reqs: OCE2013L AND OCE2013

EXP - Psychology

EXP2420 Animal Learning, 3.0 sem hrs

Introduction to the basic principles of classical and operant conditioning in animals and humans. Specific techniques for controlling behavior are presented. Includes lecture, outside lab and infield experiences. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

FFP - Fire Science

FFP0010 Firefighter I, 6.87 voc hrs
This course of study is the first of two parts, which prepares the student with the fundamental knowledge and skills necessary to safely and dependably perform fire-rescue duties as a firefighter. This course is corequisite with FFP 0020 for those desiring to become state certified firefighters. FA, SP

Lab Fees: $300.00

FFP0020 Firefighter II, 6.4 voc hrs
This corequisite course with FFP 0010 is the second of the two-part series, which prepares the student for participating in the state certification examinations administered by the Bureau of Fire Standards and Training for obtaining a state of Florida Firefighter Certificate of Compliance. Students must have successfully completed all aspects of FFP 0010 in order to participate in this course. FA, SP

Pre-Reqs: FFP0010
Lab Fees: $275.00

FFP1510 Construction Codes and Material Rating, 3.0 sem hrs
A study of building codes applicable to fire prevention, principles and practices used in various types of building construction, and fire resistance tests and ratings of building materials. FA, SP, SU

FFP1520 Fire Prevention Programs, 3.0 sem hrs
A study of the principles and applications of fire prevention for community and industrial plants. Includes the development and maintenance of fire prevention programs, educational programs, inspection programs, and specific applications to fire prevention problems. FA, SP, SU

FFP1700 Management of Municipal Fire Protection, 3.0 sem hrs
A study of fire department organization, personnel management, and relationships with other city departments. Evaluation of fire protection needs, financial factors, and other equipment necessary for modern fire protection. FA, SP, SU

FFP1799 Time Management for Fire Service, 1.0 sem hrs
A study of incorporating the ideas and concepts of organization, priority setting, planning, decision making, study skills, and communications needed for achievement of personal and scholastic goals. FA, SP, SU

FFP1810 Firefighting Strategy and Tactics I, 3.0 sem hrs
A study of firefighting tactics and strategies used for extinguishing fires. Tactical operations, commanding fire ground operations, and contributing factors to fire ground failure will be emphasized.

FA, SP, SU

FFP2111 Fire Chemistry, 3.0 sem hrs

This course is a study of basic definitions of the chemical characteristics applicable to the chemistry of fire and of the physical and chemical properties of matter, with a particular emphasis on hazardous materials, hydrocarbons, oxidation-reduction chemistry, and residuals of pyrolysis. Emphasis is on emergency situations and the most favorable methods of handling leaks, spills, fire fighting and incident control. FA, SP

FFP2120 Building Construction, 3.0 sem hrs

A study of building designs and construction features providing indications of how fire will behave and spread in various types of structures. FA, SP, SU

FFP2401 Hazardous Materials I, 3.0 sem hrs

A study of hazardous materials, with emphasis on unstable chemicals, explosive substances and their handling, exotic fuels (solid and liquid propellants), pesticides, and corrosive, toxic, and radioactive substances. FA, SP, SU

FFP2402 Hazardous Materials II, 3.0 sem hrs

A study of the methods used to transport hazardous materials, and ways to control and lessen the effects of an accident. FA, SP, SU

Pre-Reqs: FFP2401

FFP2521 Blueprint Reading and Plans Evaluation, 3.0 sem hrs

A study of actual building plans designed to give the student an understanding of the basic principles involved in graphic communications and, in particular, blueprints and plans reading. FA, SP, SU

FFP2540 Private Fire Protection Systems, 3.0 sem hrs

A study of private fire detection systems to include fixed extinguishing systems and standard and/or special fire alarms. Includes a review of the design, installation, maintenance, and testing of the systems. FA, SP, SU

FFP2604 Fire Detection and Investigation, 3.0 sem hrs

A study in determining causes of fire, losses, and records, origins, preservation of physical evidence, scientific aid to investigation, and courtroom procedure in presenting evidence. FA, SP, SU

FFP2706 Public Information Officer, 3.0 sem hrs

This course is a study of what public relations are and how a fire department can utilize positive public relations to benefit the organization and the public. The student will demonstrate techniques to bridge public relations with the community. This course describes the functions of a public information officer along with the responsibilities the position holds. FA, SP

FFP2720 Fire Department Leadership, 3.0 sem hrs

Officers and potential officers within the fire service are provided the fundamentals of leadership. Specifications of the fire officers position are covered extensively. FA, SP, SU

FFP2740 Fire Service Instructor, 3.0 sem hrs
Methods and techniques of instruction including oral communication, preparing lesson plans, writing performance objectives, use of training aids, and the selection, evaluation, and preparation of performance tests. FA, SP, SU

FFP2741 Fire Service Course Design, 3.0 sem hrs
A study of the principles of effective curriculum design. Stresses the principles of adult learning and student-centered learning, designing units and courses that address learning, and performance and behavioral objectives. FA, SP, SU

FFP2770 Ethical and Legal Issues for the Fire Service, 3.0 sem hrs
This course is a study of the entire spectrum of legal issues facing today's fire service leaders. Topics include: Labor relations, human rights and diversity; conflicts of interest and frameworks for ethical decision making. FA, SP

FFP2801 Introduction to Command, 3.0 sem hrs
A study of principles associated with the Incident Command System (ICS). Discusses how personnel can effectively protect themselves from a variety of potential dangers, perform responder tasks in a situation which combines the elements of a hazardous materials incident and a crime scene, notify and respond to appropriate authorities from local, state, and federal jurisdictions. FA, SP

FFP2811 Firefighting Strategy and Tactics II, 3.0 sem hrs
A study in pre-fire plans, techniques of using available equipment and manpower, and predicting fires by fuel analysis. Emphasis will be on developing thinking skills in relation to crises. FA, SP, SU

FFP2949 Cooperative Education Experience in Fire Science, 1.0 - 4.0 sem hrs
Cooperative Education Experience in Fire Science FA, SP, SU

FIN - Finance

FIN1100 Personal Financial Planning, 3.0 sem hrs
Study of the fundamental principles and practices used to prepare and monitor personal financial plans. FA, SP, SU

FIN2000 Principles of Finance, 3.0 sem hrs
Investment characteristics of stocks and bonds, securities market, commercial banks and the Federal Reserve System; and inflation, deflation and money supply. FA, SP, SU

FIN2905 Directed Study in Finance, 1.0 - 4.0 sem hrs
Directed Study in Finance, FA, SP, SU

FOS - Culinary Management (Food Service)

FOS1201 Sanitation and Safety, 3.0 sem hrs
Students will study the causes and prevention of food spoilage and food borne illnesses. Study will focus on proper food handling, personal hygiene, and food service safety. FA, SP

FRE - Foreign Language (French)

FRE1120 Elementary French I Concentrated, 4.0 sem hrs
Introductory-level course to French and Francophone cultures for students who have no or limited knowledge of French. Instruction is based on the fundamentals of grammar principles and on the communicative approach with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

FRE1121 Elementary French II Concentrated, 4.0 sem hrs
A continuation of FRE 1120. Beginning-level course to French and Francophone cultures for students who have completed FRE 1120 or have a basic knowledge of French. Instruction is designed to continue the study of the fundamentals of grammar principles with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

FRE2220 Intermediate French Reading and Conversation I, 4.0 sem hrs
A continuation of FRE 1121. An intermediate-level course designed to enhance the student's knowledge of French and Francophone cultures by continuing the study of grammar principles and by enhancing communicative competency through interactive activities. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: FRE1121

FRE2221 Intermediate French Reading and Conversation II, 4.0 sem hrs
A continuation of FRE 2220. This course completes the second-year sequence of the intermediate-level course in French and Francophone cultures. Instruction is designed to strengthen communicative and written skills with emphasis on oral as well as written expression while introducing aspects of the history and literature of France and the Francophone world. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: FRE2220

FRE2905 Directed Study In French, 1.0 - 4.0 sem hrs
Directed Study in French (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

FRE2949 Cooperative Education Experience in French, 1.0 - 4.0 sem hrs
Cooperative Education Experience in French FA, SP, SU

FSS - Culinary Management (Food Service)

FSS0070 Artisan Breads, 2.5 voc hrs

As part of the Pastry program, this class is an introduction to a variety of yeasted bread doughs and properties of ingredients and mixing methods. Students will prepare an assortment of bread products using a various proper tools, methods and appearance. FA, SP

Lab Fees: $150.00

FSS0071 Cakes and Petit Fours, 2.5 voc hrs

As part of the Pastry program, this course is an introduction to classic cakes and mixing methods. Students will prepare an assortment of cake and petit four products using a variety of proper tools, methods and décor.. FA, SP

Lab Fees: $150.00

FSS0072 Desserts Production and Presentation, 2.5 voc hrs

This course is designed as part of the pastry program, to compile cumulative prior knowledge of both Pastry 1 and Advanced Pastry, in order to create well-composed and well-designed plated desserts suitable for restaurant service. FA, SP

Pre-Reqs: HMV0104
Lab Fees: $150.00

FSS0291 Chocolate and Pastillage and Sugar, 2.5 voc hrs

This advanced class will introduce students to the art of edible pastry showpieces. Topics will include tempered chocolate showpieces and decor, Pastillage showpieces and decorative sugar work. FA, SP

Pre-Reqs: HMV0104
Lab Fees: $150.00

FSS1063 Baking, 2.0 sem hrs

Introduction to baking science and the composition and properties of baking ingredients. Students will produce a variety of baked goods, using proper tools and methods. FA, SP, SU

Pre-Reqs: FOS1201
Conc-Reqs: FSS1063L

FSS1063L Baking Lab, 1.0 sem hrs

Introduction to baking science and the composition and properties of baking ingredients. Students will produce a variety of baked goods, using proper tools and methods. FA, SP, SU

Conc-Reqs: FSS1063
Lab Fees: $150.00

FSS1202 Food Production I, 2.0 sem hrs

Principles of food preparation, study will focus on basic principles and techniques of food production, use of recipes and use and care of equipment and tools. FA, SP, SU

Co-Reqs: FOS1201
Conc-Reqs: FSS1202L

FSS1202L Food Production I Lab, 1.0 sem hrs

Principles of food preparation, study will focus on basic principles and techniques of food production, use of recipes and use and care of equipment and tools. FA, SP, SU

Conc-Reqs: FSS1202
Lab Fees: $150.00

FSS1222 Food Production II, 2.0 sem hrs

Study will focus on the preparation of meats, poultry, seafood and game. Students will use a variety of cooking and preparation methods. FA, SP, SU

Pre-Reqs: FSS1202
Conc-Reqs: FSS1222L

FSS1222L Food Production II Lab, 1.0 sem hrs

Study will focus on the preparation of meats, poultry, seafood and game. Students will use a variety of cooking and preparation methods. FA, SP, SU

Conc-Reqs: FSS1222
Lab Fees: $150.00

FSS1240 Contemporary American Cuisine, 2.0 sem hrs

Preparing modern American cuisine with emphasis on regional influences and contemporary presentation techniques. FA, SP

Pre-Reqs: FSS1222
Conc-Reqs: FSS1240L

FSS1240L Contemporary American Cuisine Lab, 1.0 sem hrs

Preparing modern American cuisine with emphasis on regional influences and contemporary presentation techniques. FA, SP

Conc-Reqs: FSS1240
Lab Fees: $150.00

FSS1242 International Cuisine, 2.0 sem hrs

In this course students will study and practice classical/international menus of Europe and Asia. Special attention on flavor principles of various cuisines. FA, SP

Pre-Reqs: FSS1222
Conc-Reqs: FSS1242L

FSS1242L International Cuisine Lab, 1.0 sem hrs

In this course students will study and practice classical/international menus of Europe and Asia. Special attention on flavor principles of various cuisines. FA, SP

Conc-Reqs: FSS1242
Lab Fees: $150.00

FSS2210 Food Production III, 2.0 sem hrs

Study to focus on the art of advanced food preparation. Students will acquire skills in producing a variety

of food items including garde manger, charcuterie, entrees and desserts. Students will execute planned meals using learned food preparation and presentation techniques. FA, SP

Pre-Reqs: FSS1222
Conc-Reqs: FSS2210L

FSS2210L Food Production III Lab, 1.0 sem hrs

Study to focus on the art of advanced food preparation. Students will acquire skills in producing a variety of food items including garde manger, charcuterie, entrees and desserts. Students will execute planned meals using learned food preparation and presentation techniques. FA, SP

Conc-Reqs: FSS2210
Lab Fees: $150.00

FSS2284 Catering and Buffet Management, 2.0 sem hrs

This course will introduce the student to effective practices and principles of effective buffet and catering/event management. From pre-planning to service and staffing to breakdown and clean up. FA, SP, SU

Pre-Reqs: FSS1222
Conc-Reqs: FSS2284L

FSS2284L Catering and Buffet Management Lab, 1.0 sem hrs

This course will introduce the student to effective practices and principles of effective buffet and catering/event management. From pre-planning to service and staffing to breakdown and clean up. FA, SP, SU

Conc-Reqs: FSS2284
Lab Fees: $150.00

FSS2905 Directed Study in Food Service, 4.0 sem hrs

Directed Study in Food Service FA, SP, SU

FSS2906 Directed Study in Culinary, 3.0 sem hrs

Directed Study in Culinary FA, SP, SU

FSS2949 Cooperative Education Experience in Food Service, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Food Service. FA, SP, SU

GEB - General Business
GEO - Geography
GER - Foreign Language (German)
GIS - Geography (Information Science)
GLY - Geology

GEB - General Business

GEB1011 Introduction to Business, 3.0 sem hrs
Business in the modern political, social, and economic environment. Topics include entrepreneurship, accounting, finance, management, economics, and marketing. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

GEB2351 International Business, 3.0 sem hrs
An introduction to international trade theories and practices including exporting, importing, and countertrade. International monetary systems and cultural differences affecting trade are explored. FA, SP

GEB2430 Business Ethics, 3.0 sem hrs
The purpose of this course is to direct the student toward a professional level of ethical awareness and decision-making in business. A review of the historical origins of ethics and value systems and their influence on various cultures is included. Different ethical values are compared and reviewed in relation to current ethics issues and cases. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

GEB2905 Directed Study in Business, 1.0 - 4.0 sem hrs
Directed Study in Business FA, SP, SU

GEB2949 Cooperative Education Experience in Business, 1.0 - 4.0 sem hrs
Cooperative Education Experience in Business FA, SP, SU

GEB3213 Business Writing, 3.0 sem hrs
This course emphasizes the basics of business writing while reviewing the various kinds of written business correspondence. Students are expected to integrate business decision making and analytical thinking skills into the content. Students must be able to determine solutions to problem-based exercises. PR: ENC 1101 or equivalent; junior level status or permission of the chair is required. (This course number was formerly GEB 3212). FA, SP, SU

Pre-Reqs: ENC1101

GEB3905 Directed Study in Business Writing, 1.0 - 4.0 sem hrs
Directed Study in Business Writing. FA, SP, SU

GEB4891 Strategic Management and Decision Making, 4.0 sem hrs

This course emphasizes strategic planning and strategy implementation in an organization. Students learn how to perform internal and external audits, identify problems, formulate goals and objectives, develop action plans, and evaluate the effectiveness of the outcome of the plan. Case studies are used to promote decision-making abilities. PR: Senior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

GEB4930 Selected Topics in Management, 3.0 sem hrs

Current topics, issues, and trends pertinent to supervisors and managers are discussed. PR: Senior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

GEO - Geography

GEO2000 World Geography, 3.0 sem hrs

A study of the Earth in spatial terms, place names of major countries and world regions, maps, globes and physical-human phenomena of environments and places. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

GEO2420 Cultural Geography, 3.0 sem hrs

A descriptive study of the location and distribution of people in the world and their cultural characteristics, including: language, religion, and how people use resources and earn their livings. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

GER - Foreign Language (German)

GER1120 Elementary German I Concentrated, 4.0 sem hrs

Introductory-level course to German language and culture for students who have no or limited knowledge of German. Instruction is based on the fundamentals of grammar principles and on the communicative approach with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

GER1121 Elementary German II Concentrated, 4.0 sem hrs

Beginning-level course to German language and culture for students who have completed GER 1120 or have a basic knowledge of German. Instruction is designed to continue the study of the fundamentals of grammar principles with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: GER1120

GER2220 Intermediate German Reading and Conversation I, 4.0 sem hrs

A continuation of GER 1121. An intermediate-level course designed to enhance the student's knowledge of German language and culture by continuing the study of grammar principles and by enhancing communicative competency through interactive activities. *This course will help satisfy the graduation*

requirements of the Associate of Arts (A.A.) degree. FA

Pre-Reqs: GER1121

GER2221 Intermediate German Reading and Conversation II, 4.0 sem hrs
A continuation of GER 2220. This course completes the second-year sequence of the intermediate-level course in German language and culture. Instruction is designed to strengthen communicative and written skills with emphasis on oral as well as written expression while introducing aspects of German history and literature. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: GER2220

GER2905 Directed Study in German, 1.0 - 4.0 sem hrs
Directed Study in German (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP

GIS - Geography (Information Science)

GIS2040 Geographic Information Systems, 2.0 sem hrs
This course introduces the hardware and software components of a geographic information system (GIS) and reviews GIS applications. Topics include data structures and basic functions, methods of data capture and sources of data, and the nature and characteristics of spatial data and objects. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Conc-Reqs: GIS2040L

GIS2040L Geographic Information Systems Lab, 1.0 sem hrs
Lab component for; Introduces the hardware and software components of a geographic information system (GIS) and reviews GIS applications. Topics include data structures and basic functions, methods of data capture and sources of data, and the nature and characteristics of spatial data and objects. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*

Conc-Reqs: GIS2040
Lab Fees: $17.00

GLY - Geology

GLY2010 Physical Geology, 3.0 sem hrs
Detailed study of the materials comprising the earths crust and interior and the forces acting to change its surface; the origin of continents and ocean basins in light of recent geologic research. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101 OR MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140
Pre-Reqs: MAT1033
Conc-Reqs: GLY2010L

GLY2010L Physical Geology Lab, 1.0 sem hrs
Mandatory Laboratory portion of GLY 2010. Detailed study of the materials comprising the earths crust and interior and the forces acting to change its surface; the origin of continents and ocean basins in light

of recent geologic research. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA,SP

Conc-Reqs: GLY2010
Lab Fees: $10.00

GLY2100 Historical Geology, 3.0 sem hrs

This course covers the general principles of historical geology with emphasis on evolution of Earth and life through time. Topics include an overview of the rock cycle and plate tectonic theory, with emphasis on stratigraphic principles, the fossil record, evolutionary theory, and paleogeographic map interpretation. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: GLY2010 AND GLY2010L

HCP - Nursing - Assistant

HCP0600 Patient Care Assistant, 3.34 voc hrs

Prepares individuals to perform basic patient care in a hospital, long-term care facility, or home health agency under the supervision of a licensed practical or registered nurse. Students who successfully complete the program are eligible to take the Nurse Aide Competency Evaluation Program (NACEP) for certification as a Nursing Assistant in Florida. FA, SP, SU

Conc-Reqs: HCP0600L

HCP0600L Patient Care Assistant Lab, 6.33 voc hrs

Prepares individuals to perform selected tasks related to patient care in a hospital, long-term care facility, or home health agency under the supervision of a licensed nurse. Students who successfully complete the program are eligible to take the Nurse Aide Competency Evaluation Program (NACEP) for certification as a Nursing Assistant in Florida (Florida Statute, Section 400.21). FA, SP, SU

Conc-Reqs: HCP0600
Lab Fees: $25.00

HEV - Child Care Apprentice

HEV0941 Child Care Apprentice I, 3.2 voc hrs

Course designed to introduce students to rules and regulations governing child care and child development. CPR and Basic Life Saving Instruction are included. FA

Conc-Reqs: HEV0941L

HEV0941L Child Care Apprentice I Lab, 22.66 voc hrs

Course designed for students to apply knowledge of rules and regulations governing childcare and child development. FA

Conc-Reqs: HEV0941

HEV0942 Child Care Apprentice II, 3.2 voc hrs

Course designed for students to develop competencies in planning, implementing and supervising developmentally appropriate activities for preschool children. SP

Conc-Reqs: HEV0942L

HEV0942L Child Care Apprentice II Lab, 22.66 voc hrs

Course designed for students to develop competencies in establishing developmentally appropriate activities for pre-school children. SP

Conc-Reqs: HEV0942

HEV0943 Child Care Apprentice III, 1.2 voc hrs

Designed for students to develop competencies in planning, implementing and supervising developmentally appropriate activities for infants/toddlers, preschool, school-age children and children with special needs. SU

Conc-Reqs: HEV0943L

HEV0943L Child Care Apprentice III Lab, 21.33 voc hrs

Course designed to develop competencies in implementing developmentally appropriate activies for school-age and children with special needs, and infants/toddlers, interpersonal relationships, personal and professional growth and positive guidance. SU

Conc-Reqs: HEV0943

HEV0944 Child Care Apprentice IV, 3.2 voc hrs

Designed to introduce the students to the concepts of personal and professional development including classroom management. FA

Conc-Reqs: HEV0944L

HEV0944L Child Care Apprentice IV Lab, 22.66 - 45.33 voc hrs

Course designed to develop competencies in professionalism and leadership and organizational skills necessary to work in a preschool setting. FA

Conc-Reqs: HEV0944

HEV0945 Child Care Apprentice V, 3.2 voc hrs

Designed for students to become acquainted with characteristics of a safe, clean, healthy learning environment. SP

Conc-Reqs: HEV0945L

HEV0945L Child Care Apprentice V Lab, 22.66 voc hrs

Course designed to develop competencies in establishing a safe, clean, healthy learning environment, including food service. SP

Conc-Reqs: HEV0945

HEV0946 Child Care Apprentice VI, 1.2 - 2.4 voc hrs

Designed for students to become acquainted with career and job opportunities and employability skills. SU

Conc-Reqs: HEV0946L

HEV0946L Child Care Apprentice VI Lab, 21.33 voc hrs

Course designed to develop competencies in appropriate skills essential to working in child care and in managing an effective child care program. SU

Conc-Reqs: HEV0946

HFT - Hospitality Management

HFT1000 Introduction to Hospitality Industry, 3.0 sem hrs

The purpose of this course is to introduce students to the skills necessary for success in the hospitality and tourism industry. Students will also have the opportunity to learn hospitality and tourism terminology and the mathematical, economic, marketing, and sales fundamentals of the many entities that make up the hospitality industry as well as an overview of today's hot issues, including ethical challenges and management concerns.*This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

HFT1261 Hospitality Service, 3.0 sem hrs

This course teaches the principles of restaurant management both front and back of the house. Topics include guest service, organization and training as well as marketing and financial concerns. Students will practice service technique in College run restaurant, banquet and quick service operation. FA, SP

HFT1410 Lodging Operations I, 3.0 sem hrs

Introduction to the functions of the lodging front desk operations, reservations while stressing its mechanics and routines, with developmental training in interpersonal skills, communications and computer applications. SP

HFT1820 Purchasing for Hospitality, 3.0 sem hrs

This course is designed to prepare the student to plan, prepare, bid, order, receive, store, issue, inventory, and forecast the purchasing requirements of an organization in the Hospitality Industry. The areas covered will include: equipment, food, beverages, furniture, fixtures, paper products, and POS and MIS systems. SU

HFT1940 Hospitality Practicum I (Basic), 2.0 sem hrs

Students will participate in work related experience in basic food service and table service in the College operated Hospitality facility. Students will rotate through work positions in the restaurant kitchen, dining room, lodging and quick service operation and banquet operation, applying basic skills learned in the classroom and lab to a work situation. FA, SP, SU

Pre-Reqs: FSS1222
Conc-Reqs: HFT1940L

HFT1940L Hospitality Practicum I Lab (Basic), 1.0 sem hrs

Students will participate in work related experience in basic food service and table service in the College operated Hospitality facility. Students will rotate through work positions in the restaurant kitchen, dining room, lodging and quick service operation and banquet operation, applying basic skills learned in the classroom and lab to a work situation. FA, SP, SU

Conc-Reqs: HFT1940
Lab Fees: $150.00

HFT1941 Hospitality Practicum II (Intermediate), 2.0 sem hrs

Students will participate in work related experience in Intermediate food service and table service In the College operated Hospitality facility. Students will rotate through work positions and supervisory positions the restaurant kitchen, dining room, quick service operation, lodging and banquet operation, applying intermediate skills learned in the classroom and lab to a work situation. FA, SP, SU

Pre-Reqs: FSS1222
Conc-Reqs: HFT1941L

HFT1941L Hospitality Practicum II Lab (Intermediate), 1.0 sem hrs

Students will participate in work related experience in Intermediate food service and table service In the College operated Hospitality facility. Students will rotate through work positions and supervisory positions the restaurant kitchen, dining room, quick service operation, lodging and banquet operation, applying intermediate skills learned in the classroom and lab to a work situation. FA, SP, SU

Conc-Reqs: HFT1941
Lab Fees: $150.00

HFT2282 Hospitality Supervision, 3.0 sem hrs

This course covers principles of supervision, as they apply to the hospitality industry, that are necessary to lead a team of employees . Topics include recruitment, selection, orientation, training, evaluation, and leadership skills as well as how to interview, hire, motivate, discipline, and terminate employees. Upon completion, students should be able to understand and apply basic supervisory skills unique to the hospitality and service industry. FA, SP

HFT2283 Hospitality Contract Management, 3.0 sem hrs

This course will expose the student to Contract Management, the multi-billion dollar segment of the hospitality industry. Study will focus on health Care, K-12, college and university, business and industry, correctional facilities, transportation, recreation and leisure. FA, SP

HFT2313 Lodging Operations II, 3.0 sem hrs

The broad scope of property management stresses training, record keeping and executive responsibilities, concerning the use of land, buildings, furnishings, equipment, materials, people and funds in achieving a desired goal. Housekeeping is covered from a dual focus of hands on functional duties paired with the supervisory and management of that department. FA

HFT2454 Food and Beverage Cost Control, 3.0 sem hrs

Covers food and beverage operation, purchasing, receiving, storage, preparation, and service. Emphasis is on controlling, analyzing costs, and using financial management techniques. SU

Pre-Reqs: MAT1033

HFT2461 Hospitality Managerial Finance, 3.0 sem hrs

This course is designed to prepare students to read and understand financial document produced in the hospitality industry. The fundamental concepts and analytical techniques that are essential to take

control of a real-world asset management in a hospitality industry environment. Financial Statements, Asset Ratios, Cash Flow, Budgeting and Feasibility Studies are covered. The principles of finance, asset and money management are defined, explored and analyzed from the perspective of the professional hospitality manager, owner and decision maker. FA, SP

HFT2500 Event Marketing, 3.0 sem hrs

This course will expose students to the discipline of Event Planning and a key component of that discipline of Event Marketing within the multi-billion dollar Hospitality industry. This course provides a great foundation as well as extension in marketing of events within the hospitality environment. The marketing of events, meetings, convocations, conferences, and gatherings requires complex coordination of people, resources and facilities. This course will serve our students well in pursuit of careers in hospitality. FA, SP

Pre-Reqs: HFT1000

HFT2600 Hospitality Law, 3.0 sem hrs

Many critical aspects of hospitality law are covered in this course, including employer responsibilities, occupational health and safety issues, personal liability and torts, liquor laws, truth in advertising, contracts, and management ethics. Students will be trained in the knowledge and skills necessary to make informed decisions within professional and legal boundaries and to build sound and progressive labor relations as a hospitality manager. FA, SP

HFT2671 Event Risk Management, 3.0 sem hrs

This course will expose the student to the discipline of Event Planning within the Hospitality Industry. This course provides a great foundation and road map for event management students and future event planning professionals. The coordination of various components of an event are covered in a real-world protocol. The logistics of events, meetings, conventions, and convocations are covered in a format that will serve the students well in their future event planning endeavors. FA, SP

Pre-Reqs: HFT1000

HFT2742 Global Meetings and Exhibitions, 3.0 sem hrs

This course will expose the student to the operation and coordination of Global Meetings & Exhibitions within Event Planning and key components within the Multi-Billion Dollar Hospitality industry. This course provides a great foundation and extension in depth and breadth of the Event Planning program. This course will serve our students well in the pursuit of careers in hospitality. FA, SP

Pre-Reqs: HFT1000

HFT2750 Hospitality and Tourism Marketing, 3.0 sem hrs

Destination planning, group booking, conventions, site visitations and meeting planning are thoroughly analyzed. Group selling, negotiations, contracts, computer applications and service are emphasized. FA, SP

HFT2942 Hospitality Practicum III (Advanced), 2.0 sem hrs

Capstone course designed to apply a students learned techniques in a food service setting. Students will apply advanced food service culinary and service skills in the College operated Hospitality facility. Students will plan, prepare and serve advanced modern cuisine in the restaurant kitchen, dining room

and banquet operation, applying advanced skills learned in the classroom and lab to a work situation. FA, SP, SU

Pre-Reqs: FSS1222
Conc-Reqs: HFT2942L

HFT2942L Hospitality Practicum III Lab (Advanced), 1.0 sem hrs

Capstone course designed to apply a students learned techniques in a food service setting. Students will apply advanced food service culinary and service skills in the College operated Hospitality facility. Students will plan, prepare and serve advanced modern cuisine in the restaurant kitchen, dining room and banquet operation, applying advanced skills learned in the classroom and lab to a work situation. FA, SP, SU

Conc-Reqs: HFT2942
Lab Fees: $150.00

HFT2949 Cooperative Education Experience in Hospitality Management, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Hospitality Management FA, SP, SU

HHD - Interior Design

HHD1321 Introduction to Interior Design, 3.0 sem hrs

Color, design principles, lighting, interior furnishings, accessories and planning for functional and aesthetic settings. Experience in applying the elements and principles of design and drawing floor plans and elevations. FA, SP

Lab Fees: $145.00

HHD1361 Practical Interior Applications, 3.0 sem hrs

Working knowledge of window treatments, floor coverings and wall coverings. Cost estimations, re-upholstery estimations and installation techniques, calculations and schedules. Students learn appropriate applications for various surface treatments. SP

Lab Fees: $15.00

HIM - Health Information Management

HIM1000 Introduction to Health Information Management, 2.0 sem hrs

Introduction to the science of health information management. The professional organization, chart content and development, databases, information systems will be emphasized. SP

Pre-Reqs: HSC1531
Conc-Reqs: HIM1000L

HIM1000L Introduction to Health Information Management Lab, 1.0 sem hrs

Introduction to the science of health information management. The professional organization, chart content and development, databases, information systems will be emphasized. SP

Conc-Reqs: HIM1000
Lab Fees: $25.00

HIM1031 Medical Record Transcription I, 1.0 sem hrs

Develop skills in the use of dictating/transcribing units and reference sources. Laboratory experience in transcribing medical record forms. FA, SP

Pre-Reqs: HSC1531 AND OST1100
Conc-Reqs: HIM1031L

HIM1031L Medical Record Transcription I Lab, 2.0 sem hrs

Develop skills in the use of dictating/transcribing units and reference sources. Laboratory experience in transcribing medical record forms. FA, SP

Conc-Reqs: HIM1031

HIM1032 Medical Record Transcription II, 1.0 sem hrs

Study of advanced medical record terminology and transcription of various medical records and reports. FA, SP

Pre-Reqs: HIM1031
Conc-Reqs: HIM1032L

HIM1032L Medical Record Transcription II Lab, 2.0 sem hrs

Study of advanced medical record terminology and transcription of various medical records and reports. (Prerequisite: HIM 1031. Corequisite: HIM 1032L.) FA, SP

Conc-Reqs: HIM1032

HIM1222 Beginning ICD-9/10 CM Coding, 3.0 sem hrs

This course is designed to develop skills in the use of approved disease and operative classification systems, abstraction of patient data from the medical record and assignment of ICD-9-CM diagnostic and procedure codes. SP

Co-Reqs: HIM1000
Pre-Reqs: HSC1531
Conc-Reqs: HIM1222L

HIM1222L Beginning ICD-9/10 CM Coding Lab, 1.0 sem hrs

This course is designed to develop skills in the use of approved disease and operative classification systems, abstraction of patient data from the medical record and assignment of ICD-9-CM diagnostic and procedure codes. SP

Conc-Reqs: HIM1222
Lab Fees: $25.00

HIM1273 Billing and Reimbursement Methods, 2.0 sem hrs

Study of the principles and practices of insurance and reimbursement processing, to include the assignment and reporting of codes for diagnoses and procedures and services. Also covered are completion of UB-92 and CMS-1500 claims for outpatient, emergency department, and physician office encounters. FA

Pre-Reqs: HIM1222L AND HIM1222

HIM1273L Billing and Reimbursement Methods Lab, 1.0 sem hrs

Study of the principles and practices of insurance and reimbursement processing, to include the assignment and reporting of codes for diagnoses and procedures and services. Also covered are completion of UB-92 and CMS-1500 claims for outpatient, emergency department, and physician office encounters. FA

HIM2012 Legal Aspects of Health Records, 2.0 sem hrs

In-depth study of the federal, state and local laws which govern the preparation and use of health records in healthcare delivery systems. SU

Pre-Reqs: HIM1000

HIM2214 Health Information Management Statistics, 3.0 sem hrs

This course will introduce the student to healthcare statistics and their uses in healthcare settings. SP

Pre-Reqs: HIM1000 AND HIM2800

HIM2234 Advanced ICD-9/10 CM Coding, 4.0 sem hrs

This course is designed to enhance skills learned in HIM 1222. By recalling the basic coding rules and applying them with in-depth diagnosis and procedure analysis learned in this course, the student will become capable of accurate medical record coding and DRG assignment. FA

Pre-Reqs: HIM1222
Conc-Reqs: HIM2234L

HIM2234L Advanced ICD-9/10 CM Coding Lab, 1.0 sem hrs

This course is designed to enhance skills learned in HIM 1222. By recalling the basic coding rules and applying them with in-depth diagnosis and procedure analysis learned in this course, the student will become capable of accurate medical record coding and DRG assignment. FA

Conc-Reqs: HIM2234
Lab Fees: $25.00

HIM2253 Beginning CPT Coding, 2.0 sem hrs

This course is designed to develop skills in the use of the Physician's Current Procedure Coding Terminology (CPT) systems for hospital and physicians' offices. SU

Pre-Reqs: HIM1222 AND HSC1531
Conc-Reqs: HIM2253L

HIM2253L Beginning CPT Coding Lab, 1.0 sem hrs

This course is designed to develop skills in the use of the Physician's Current Procedure Coding Terminology (CPT) systems for hospital and physicians' offices. SU

Conc-Reqs: HIM2253
Lab Fees: $25.00

HIM2283 Advanced CPT Coding, 2.0 sem hrs

This course will be a continuation of Beginning CPT coding. This course will also combine CPT with

ICD-9 to complete the billing and reimbursement process. SP

Pre-Reqs: HIM2253
Conc-Reqs: HIM2283L

HIM2283L Advanced CPT Coding Lab, 1.0 sem hrs
This course will be a continuation of Beginning CPT coding. This course will also combine CPT with ICD-9 to complete the billing and reimbursement process. SP

Conc-Reqs: HIM2283
Lab Fees: $25.00

HIM2400 Health Records in Alternate Settings, 2.0 sem hrs
This course will explore the use of health records in sites other than hospitals. Long term care, hospice, tumor registry, physician offices and clinics. Record content in each area will be discussed. SP

Co-Reqs: HIM2234
Pre-Reqs: HIM2800 AND HIM1000

HIM2430 Concepts of Diseases, 4.0 sem hrs
Given a body of medical information, students will demonstrate their ability to interpret, understand, extract, analyze and synthesize information within the medical record. FA

Co-Reqs: HIM2442
Pre-Reqs: HSC1531 OR BSC1085 OR BSC1020

HIM2442 Pharmacology and Lab, 1.0 sem hrs
This course will introduce the student to the most common drugs and laboratory tests utilized in medicine. FA

Co-Reqs: HIM2430

HIM2500 Quality Assurance and Compliance, 2.0 sem hrs
This course will discuss the development of health care quality programs including performance improvement, utilization review, risk management and coding compliance. FA

Pre-Reqs: HIM2214 AND HIM1000 AND HIM2810 OR HIM2800

HIM2512 Health Information Systems Management, 2.0 sem hrs
This course will review the basic management functions as they apply to a Health Information Systems (H.I.S.) department. FA

Pre-Reqs: HIM2800

HIM2652 Electronic Health Record, 2.0 sem hrs
This course will review the history of the electronic record, trends, and healthcare information applications. Discussion of the transition from a paper based health record to an electronic record. SP

Pre-Reqs: HIM1000

HIM2800 Coding Professional Practice Experience I, 1.0 sem hrs

This course will give the coder/biller student hands on experience in a physician or outpatient department. FA

Pre-Reqs: HIM2253
Lab Fees: $10.00

HIM2810 Professional Practice Experience II, 2.0 sem hrs
Supervised experience in a non-hospital health care facilities. Compiling health/data statistics, use of indexes and registers and computerization of HIS functions reports are emphasized. SP

Pre-Reqs: HIM2800

HIM2820 Professional Practice Experience III, 2.0 sem hrs
Supervised experience in a Health Information Services (HIS) department offering experience of a supervisory nature, utilization review quality assurance and overall chart flow. FA

Pre-Reqs: HIM2800

HIM2905 Directed Study in Health Information Management, 1.0 - 5.0 sem hrs
Directed Study in Health Information Management. FA, SP, SU

HIM2920 Health Information Management Seminar, 2.0 sem hrs
This course will be a capstone course. Employability skills, marketing, and review for the national certification exam will be covered. FA

Pre-Reqs: HIM2283 AND HIM2400

HIM2949 Cooperative Education Experience in Health Records, 1.0 - 4.0 sem hrs
Cooperative Education Experience in Health Records FA, SP, SU

HLP - Health and Wellness

HLP1081 Fitness Assessment and Improvement, 3.0 sem hrs
This course evaluates the students level of fitness, then develops a program of improvement through daily exercise and instruction in the areas of nutrition, stress management and basic training techniques. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Lab Fees: $30.00

HMV - Hospitality Management (Vocational)

HMV0103 Pastry I, 2.5 voc hrs
As part of the Pastry program, this class is an introduction to fundamental pastry techniques, a variety of pastry doughs, cakes and custards, properties of ingredients and mixing methods. Students will prepare an assortment of pastry products using a variety of proper tools, methods and decor. FA, SP

Lab Fees: $150.00

HMV0104 Advanced Pastry, 2.5 voc hrs

As part of the Pastry program, this class is a continuation of fundamental techniques, a variety of pastry doughs, cakes and custards, and properties of ingredients and mixing methods. Students will prepare an assortment of pastry products using a variety of proper tools, methods and decor. FA, SP

Pre-Reqs: HMV0103
Lab Fees: $150.00

HMV0145 Wholesale Bakeshop Production, 2.5 voc hrs

This advanced class introduces students to artisan chocolate work and candy making. Topics will include chocolate tempering, flavored confectionary centers, hand-enrobed chocolates, non-crystalline confections, fudges, aerated confections and jelly candies. FA, SP

Pre-Reqs: HMV0104
Lab Fees: $150.00

HMV0146 Retail Bakeshop Production, 2.5 voc hrs

As part of the Pastry program, this class is a continuation of Cakes and Petit Fours, with focus on professional cake decorating skills, including fondant, gumpaste, royal icing and buttercream décor, as well as tiered cake construction, suitable for a retail bakeshop operation. FA, SP

Pre-Reqs: FSS0071
Lab Fees: $150.00

HSC - Health Sciences

HSC0005 Healthcare Concepts for the Massage Therapist, 3.0 voc hrs

This course provides an overview of the current healthcare delivery system in the USA and current health occupations. Content includes, but is not limited to the use of interpersonal and communication skills with patients and other health professionals, written communication skills, knowledge of blood borne diseases and HIV/AIDS education, legal and ethical responsibilities, safety and security procedures and infection control, medical errors and eight hours. FA

HSC1000 Introduction to Health Care, 3.0 sem hrs

Introduction to current practices and issues in health care. Content includes social and cultural responses to health problems of individuals and families; health care delivery in primary, secondary, and tertiary settings; critical thinking; health care professions; standards of practice; health care organizations; United States health policies; issues of finance, ethics, legal rights of patients and health care workers; infection control; universal precautions; and principles of effective communication and computer applications to health care. NOTE: This is a required course for students in selected health career programs. FA, SP, SU

HSC1421 Health, Safety and Nutrition for the Young Child, 3.0 sem hrs

Designed to provide the early childhood student with health, safety and nutrition principles for the young child; and experience and resources for teaching these principles in various curriculum areas. SU

HSC1531 Medical Terminology, 4.0 sem hrs

This course prepares students for medically oriented careers. ***This course will help satisfy the***

graduation requirements of the Associate of Arts (A.A.) degree. FA, SP, SU

HSC2400 First Aid, Responding to Emergencies, 3.0 sem hrs

Demonstrations, practical experiences, lectures and discussions on the principles and skills essential to the individual for the care of emergencies in the home and community. Certificates in CPR and Responding to Emergencies will be issued to those individuals successfully completing the course. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $15.00

HSC2905 Directed Study in Health and Fitness, 1.0 - 4.0 sem hrs

Directed Study in Health and Fitness. FA, SP, SU

HSC2949 Cooperative Education Experience in Health and Fitness, 1.0 - 4.0 sem hrs

Education Experience in Health and Fitness FA, SP, SU

HUM - Humanities

HUM2210 Prehistory to Medieval Humanities, 3.0 sem hrs

Literature, fine arts, music and philosophy of Western Europe from earliest times to the Renaissance, and their interrelation with the culture. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

HUM2230 Renaissance to Postmodern Humanities, 3.0 sem hrs

A continuation of HUM 2210, beginning with the high Renaissance and concluding with the early 20th century. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. NOTE: HUM 2210 is NOT a prerequisite for HUMANITIES 2230. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

HUM2740 Humanities Overseas Study Program, 3.0 - 6.0 sem hrs

An opportunity to examine monuments of Western art in the classroom and in Europe. Specific attention given to interrelationships among the arts. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SU

HUM2905 Directed Study in Humanities, 1.0 - 4.0 sem hrs

Directed Study in Humanities. FA, SP, SU

HUM2949 Cooperative Education Experience in Humanities, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Humanities

HUN - Nutrition

HUN1201 Human Nutrition, 3.0 sem hrs
This introductory course focuses on the principles of nutrition science and how they relate to human physiology and health. Practical applications for using nutrition as part of a personal approach to wellness are emphasized. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

HUN1203 Culinary Nutrition, 3.0 sem hrs
This course relates nutrition to the food service industry by way of menu planning, studying nutritional deficiencies, diseases, retention of nutrients and the basic principles for health conscious cooking. FA, SP

HUN1270 Sports Nutrition, 3.0 sem hrs
Introduces human nutrition and its relationships to athletic performance, fitness and health. Presents scientifically-based sports nutrition recommendations for the active person and the trained athlete. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

HUN2905 Directed Study in Nutrition, 1.0 - 4.0 sem hrs
Directed Study in Nutrition FA, SP, SU

HUN2949 Cooperative Education Experience in Nutrition, 1.0 - 4.0 sem hrs
Cooperative Education Experience in Nutrition FA, SP, SU

HUS - Human Services

HUS1001 Introduction to Human Services, 3.0 sem hrs
Introduces the history and an overview of human services including social work and mental health. Describes roles, responsibilities and goals of the human service worker and values, conflicts and dilemmas that affect the worker and the client relationship. Involvement in college, community, and social service work is emphasized. In addition, the critical involvement of students in professional responsibilities is introduced with involvement in student/faculty clubs and professional organizations. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

HUS1332 Advanced Counseling/Interview Skills, 3.0 sem hrs
Advanced skills in assessment, recording, problem solving, developing treatment plans, case presentations, case management and crisis intervention are taught through academic and skill-based work. Practical experience and documentation required for internships and jobs in the field are emphasized. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: PCO2202 AND HUS1001

HUS1530 The Disabled Experience, 3.0 sem hrs

This course traces the history of the disabled experience in the United States and the implementation of the Americans with Disabilities Act (ADA) of 1990. The nature of disabling conditions includes developmental disorders, mental disorders, sensory disabilities, motor disabilities, and medical or other physical disorders. Chronic, temporary, and progressive conditions are explored. The course emphasizes the obstacles faced by disabled persons and the steps that increase opportunities for participation in all aspects of society. Etiquette is an intervention that can be practiced by all. Political, educational, vocational and therapeutic interventions address individual and group services to empower people with disabilities.***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

HUS1550 Human Services and the Disenfranchised, 3.0 sem hrs

This course is designed to explore reasons for the rising number of people who seek human services and other social services. Social and economic problems impact either positively or negatively on certain population such as veterans, homeless, single parent, and people in abusive households. Groups of people who are disenfranchised struggle to propel themselves into the same arena of life of others. Knowledge, training and practical application of the policies affecting people disenfranchised in the social systems can invoke changes in the political, economic social and global systems ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

HUS1850 Human Services Externship I, 4.0 sem hrs

Experiential learning in human service agencies through the practice of counseling skills and techniques. Off-campus job training and clinical supervision are required. SP

Pre-Reqs: PCO2202 AND HUS1001

HUS2008 Survey of Counseling Theory and Practice, 3.0 sem hrs

This course surveys the field of counseling theory and practice. The major theories that guide the practice of mental health counseling are investigated, including the personality theories which are the underpinnings of many theoretical approaches. Further, this course reviews issues related to the counselor as a person and a professional and considers ethical issues in counseling practice. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

HUS2200 Group Dynamics, 3.0 sem hrs

Introduction to group dynamics; study of structure, organization and function of groups; and survey of different types of groups. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Co-Reqs: HUS2851 OR HUS2949
Pre-Reqs: HUS1332

HUS2424 Addictions and Treatment, 3.0 sem hrs

This course addresses the skills, concepts and issues of addictive processes, treatment, recovery and counseling with diverse populations. National and state practices are taught as part of the field's development. It is part of the Transdisciplinary Foundations requirement of the certification boards. (Prerequisite: Appropriate placement scores or successful completion of college prep courses or permission of assistant chair or chairperson.) ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

HUS2441 Addictions, Families, and Communities, 3.0 sem hrs

P r o v i d e s training in substance abuse in the context of family and community systems. This course introduces the basic concepts and issues related to substance abuse prevention and addiction processes. Orientation to evidence-based practice is reviewed and updated. It is part of the Transdisciplinary Foundations required by the certification boards. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

HUS2500 Issues and Ethics in Human Services, 3.0 sem hrs

This course continues the human services emphasis on professional practice and responsibilities. It adds to the student's knowledge and practice of legal and ethical problems and professional codes of ethics in human service fields. In addition, topics explored include sources of burnout and methods of reducing anxiety, stress and tension; current issues; social and multicultural issues, domestic violence; and effective personal and professional skills. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

HUS2801 Human Services Practicum, 1.0 sem hrs

Practicum is designed to provide students with the opportunity to function in a chosen career in an internship/employee role for six or 12 weeks in a selected human service agency. Experiential learning in human service agencies through the practice of counseling and social service skills and techniques. On and off-campus job training and clinical supervision are required. SU

Pre-Reqs: HUS1332 AND HUS1850
Conc-Reqs: HUS2801L

HUS2801L Human Services Practicum Lab, 5.0 sem hrs

Practicum is designed to provide students with the opportunity to function in a chosen career in an internship/employee role for six or 12 weeks in a selected human service agency. Experiential learning in human service agencies through the practice of counseling and social service skills and techniques. On and off-campus job training and clinical supervision are required. SU

Conc-Reqs: HUS2801

HUS2851 Human Services Externship II, 4.0 sem hrs

Students select and interview at approved human service programs; activities will emphasize application of group dynamics and group skills. This course continues the practice skills from earlier externship and practicum experiences. Off-campus job training and clinical supervision are required. FA

Pre-Reqs: HUS1850 AND HUS1332

HUS2852 Human Services Externship III, 4.0 sem hrs

This experience gives the student opportunities to exercise more responsibility and leadership as a member of the Human Services team. This course continues the practice skills from earlier externship and practicum experiences. Off-campus job training and clinical supervision are required. Leadership and mentoring roles are emphasized, with more sophisticated professional skills. SP

Pre-Reqs: HUS2851

HUS2905 Directed Study in Human Services, 1.0 - 4.0 sem hrs
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

HUS2933 Human Services Seminar, 1.0 sem hrs
A multi-topical approach to the study of a theme, problem or area of reference in Human Services. This course helps students with skills used throughout the program. FA

IDS - Interdisciplinary Studies

IDS2191 The 1960's - The Era of Metamorphosis, 3.0 sem hrs

An introduction to the social, political, psychological, and historical issues and events that transformed the 1960's into one of the most turbulent decades in our nation's history. Examining the 1960's allows us a deeper understanding of postwar America, revealing the roots of many contemporary issues and conflicts. Major course themes include the following: The Civil Rights Movement; Black Power; the Viet Nam War; The Anti-War Movement; the rise of the "New Left" and the "New Right"; Cultural Change and the Counterculture; The Women's Liberation Movement and the Emergence of Radical Feminism; The New American Family; Marriage and No-fault divorce; Drugs and Psychodelia; and Music and Rock 'n' Roll. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

IND - Interior Design

IND1001 History of Architecture and Interiors II, 3.0 sem hrs

The study of furniture history and architectural styles for the 19th century through contemporary interior design; current and future trends; recognizing and using different architectural and furniture styles in the interiors. SP

Lab Fees: $15.00

IND1021 Interior Design Studio I, 3.0 sem hrs

Planning floor plans in regard to function and aesthetics. Research and development of design solutions associated with color theory, furniture and room arrangement, lighting and electrical placement, application, floor plans, elevation development and graphic communication. FA, SP

Co-Reqs: BCN1251 AND BCN1251L
Pre-Reqs: HHD1321
Lab Fees: $45.00

IND1211 History of Architecture and Interiors I, 3.0 sem hrs

Furniture history and the development of architectural styles from Antiquity to the end of the 18th century. Recognition and use of different period styles in the design of historical interiors. FA

Lab Fees: $15.00

IND1300 Graphics of Interior Design I, 3.0 sem hrs

Basic presentation techniques with emphasis on materials and presentation boards. Oral and written communication and graphic presentation. Emphasis on marker and pencil rendering techniques. FA, SU

Lab Fees: $150.00

IND1429 Textiles for Commercial and Residential Interiors, 3.0 sem hrs

The study of fibers used in interiors, fire and life safety codes involving their use, fabrication, application and evaluation of textiles and proper professional terminology. SP

Lab Fees: $45.00

IND1432 Lighting for Interior Design, 2.0 sem hrs

This course is an introduction to the principles of lighting. Students will learn lighting effects, lighting systems, and the effect of lighting on human behavior for both residential and commercial applications. SP

Lab Fees: $30.00

IND1935 Building and Barrier Free Codes, 2.0 sem hrs

This is a mandatory course required by the State Board of Education for all interior design students. It is designed to give the student an in-depth understanding of building codes and the American with Disabilities Guidelines (ADA). This course will teach students about space-planning and material specifications. Basic building construction and fire safety will be addressed. FA, SP

Lab Fees: $15.00

IND2210 Interior Design Studio II, 3.0 sem hrs

This course creates a design studio atmosphere with projects and deadlines required throughout the semester. Advanced application of the principles and elements of design into the conceptual design process. Creative problem solving, programming and special analysis. Graphic communication and presentation, placement and selection of furniture, materials, accessories, lighting and electrical schedules. FA, SP, SU

Pre-Reqs: IND1021
Lab Fees: $65.00

IND2220 Commercial Interior Design, 3.0 sem hrs

Advanced application in creative problem solving and research of the design process for non-residential interiors. Space planning, programming, human factors, code requirements and specifications. Sample test project. FA

Pre-Reqs: IND1021
Lab Fees: $65.00

IND2410 Kitchen and Bath Design I, 3.0 sem hrs

This course teaches basic residential kitchen design. The National Kitchen and Bath Association design principles are presented. Students complete kitchen and bath design projects including programming, space planning, mechanical systems and product selection. SP

Pre-Reqs: HHD1321 AND BCN1251
Lab Fees: $15.00

IND2411 Materials and Estimating for Kitchen and Bath, 2.0 sem hrs

This course teaches the construction and systems essential in kitchen and bath design. An understanding of foundation to roof construction, wiring, plumbing, heating, ventilation, and air conditioning, building

codes, foundations and floor systems, building materials and project estimating will be stressed. SP

Lab Fees: $15.00

IND2414 Kitchen and Bath Design II, 3.0 sem hrs

This course teaches basic advanced kitchen design; advanced techniques are presented. National Kitchen and Bath Association guidelines are stressed. Students complete kitchen and bath design projects using industry standard CAD program. FA, SP

Co-Reqs: ETD2320
Lab Fees: $15.00

IND2501 Practices of Interior Design, 4.0 sem hrs

Establishing and maintaining a successful interior design business. Resume writing, cover letters and portfolio development procedures. Specifications, financial operations, estimating, schedules and recordkeeping. SP

Pre-Reqs: IND1021
Lab Fees: $45.00

IND2608 Sustainable Design, 3.0 sem hrs

The basic theories and practices of ecology relating to interior design products will be introduced. Students will gain an understanding of the impact of their interior selections on the environment. "Green" design will be introduced as students understand renewable resources, environment pollution, and conservation. This is an emerging field for interior design and architecture. FA, SP

IND2949 Cooperative Education Experience in Interior Design, 1.0 - 4.0 sem hrs

(Prerequisite: 12 semester hours of approved Building and Architecture Technology courses and permission of the Building and Architecture Technology chairperson.) FA, SP, SU Course does not show up in regular catalog schedule until you are registered. You are not officially registered until you have completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. Required to complete 80-320 program contact hours in the field based on program 1-4 credit hour course requirement. (Average of 12-15 hours a week at an employer worksite) 1credit=80 contact hrs. 2credits=160 contact hrs. 3credits=240 contact hrs. 4credits=320 contact hrs. To register contact the Chairperson of your Department, or Cheryl Miller - Work Experience Coordinator millerc@DaytonaState.edu 386-506-4143 - Technology Campus

INP - Psychology

INP1390 Human Relations in the Workplace, 3.0 sem hrs

Designed to enhance effectiveness in the workplace through an emphasis on awareness of self and others communication technique and interpersonal skills. Individualized Instruction. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

INR - Political Science

INR2002 International Relations, 3.0 sem hrs

Analysis of national power, foreign policy, settlement of disputes, the balance of power system, and international organization and disarmament in world affairs. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101

ISM - Information Management Systems

ISM2000 Introduction to Business Information Processing, 3.0 sem hrs
Information processing concepts and the use of business software application programs for managers to effectively use technology and information to increase competitive advantage. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

ISM4011 Introduction to Management Information Systems, 4.0 sem hrs
This course provides an introduction to the use of information technology in the business environment. The language, concepts, structures and processes involved in the management of information systems will be discussed. The course will have an applications component where software will be used to support managerial decision making. PR: CGS 2100 or equivalent. Senior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213
Pre-Reqs: ISM2000

ISM4905 Directed Study in Information Management Systems, 1.0 - 4.0 sem hrs
Directed Study in Information Management Systems. FA, SP, SU

ITA - Foreign Language (Italian)

ITA1120 Elementary Italian I Concentrated, 4.0 sem hrs
Introductory-level course to Italian language and culture for students who have no or limited knowledge of Italian. Instruction is based on the fundamentals of grammar principles and on the communicative approach with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

ITA1121 Elementary Italian II Concentrated, 4.0 sem hrs
A continuation of ITA1120. Beginning-level course to Italian language and culture for students who have completed ITA1120 or have a basic knowledge of Italian. Instruction is designed to continue the study of the fundamentals of grammar principles with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: ITA1120

ITA2220 Intermediate Italian Reading and Conversation I, 4.0 sem hrs
A continuation of ITA112I. An intermediate-level course designed to enhance the student's knowledge of Italian language and culture by continuing the study of grammar principles and by enhancing communicative competency through interactive activities. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: ITA1121

ITA2221 Intermediate Italian Reading and Conversation II, 4.0 sem hrs
A continuation of ITA2220. This course completes the second-year sequence of the intermediate-level course in Italian language and culture. Instruction is designed to strengthen communicative and written skills with emphasis on oral as well as written expression while introducing aspects of Italian history and literature. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: ITA2220

ITA2905 Directed Study in Italian, 1.0 - 4.0 sem hrs
Directed Study in Italian (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

JOU - Mass Communication (Journalism)

JOU1100 Introduction to Journalism, 3.0 sem hrs
Designed as a basic skills and practical application course for gathering, writing, reporting and editing news in journalistic style. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: ENC1101

JOU2905 Directed Study in Journalism, 1.0 - 3.0 sem hrs
Directed Study in Journalism (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

JOU2949 Cooperative Education Experience in Journalism, 1.0 - 4.0 sem hrs
Cooperative Education Experience in Humanities (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

LAE - Language Arts and English Education

LAE3414 Children's Literature, 3.0 sem hrs

The purpose of this course is to present new and outstanding titles in literature for elementary children. Topics include authors and illustrators, surveys the genres of children's literature, principles of selection, evaluation, and integration of literature, fiction and nonfiction in a variety of formats to enrich classroom activities and recreational and lifelong reading. This course is a 7 week class offered during the FA and SP terms.

LAE4314 Teaching Language Arts, 3.0 sem hrs

The purpose of this course is to develop materials and implement effective practices related to teaching reading and writing in elementary schools. This course is a 7 week class that may be offered during the FA, SP or SU term.

Pre-Reqs: RED3309 OR LAE3414

LAE4361 Strategies for Literacy for Middle/High Schools, 3.0 sem hrs

The purpose of this course is to examine theory, strategies and resources related to implementation options to deliver literacy instruction in the content areas. This course requires a field service in a public secondary school. This course is a 7 week class and may be offered during the FA or SP term.

Pre-Reqs: EDF3214 AND TSL3080 AND EDG4323

LIS - Library and Information Studies

LIS2004 Introduction to Internet Research, 1.0 sem hrs

This course is designed to develop skills needed to find, evaluate and use relevant resources that are available on the Internet including search strategies, retrieval, evaluation and proper citing of Internet resources. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

LIT - English Language and Literature

LIT2030 Understanding Poetry, 3.0 sem hrs

A survey of chronologically selected poets against the background of their r periods, with emphasis upon the major themes of poets of all ages. A broad cultural approach. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: ENC1101

LIT2040 Dramatic Literature, 3.0 sem hrs

A study of chronologically selected plays against the background of their periods. Emphasis upon the dramatic structure and universally dramatic themes. This course contributes to satisfying the Gordon

Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: ENC1101

LIT2110 Masterpieces of World Literature I, 3.0 sem hrs
A study of world masterpieces from the time of the Old Testament through the Renaissance. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: ENC1101

LIT2120 Masterpieces of World Literature II, 3.0 sem hrs
A continuation of world masterpieces and national epics from the Renaissance to the 20th century and the Modern School. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: ENC1101

LIT2380 Literature By Women, 3.0 sem hrs
A study of women writers and the effects of history and historical changes projected through these writings from the 11th century through the present. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: ENC1101

LIT2602 Maritime Literature, 3.0 sem hrs
A study of readings from short stories, poetry, novels, and drama that deal with various issues concerning the oceans of the world. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Co-Reqs: ENC1101
Pre-Reqs: ENC1101

MAC - Mathematics
MAD - Mathematics
MAE - Mathematics Education
MAN - Management
MAP - Mathematics (Applied)
MAR - Marketing
MAS - Mathematics
MAT - Mathematics
MCB - Microbiology
MEA - Medical Assisting
MET - Meteorology
MGF - Mathematics
MHF - Mathematics
MMC - Mass Communication
MNA - Management
MSL - Military Science
MSS - Massage Therapy
MTB - Mathematics
MTG - Mathematics
MUC - Music
MUH - Music History
MUL - Music
MUM - Music Production Technology
MUN - Music
MUS - Music
MUT - Music
MVB - Music
MVK - Music
MVO - Music
MVP - Music
MVS - Music
MVV - Music
MVW - Music

MAC - Mathematics

MAC1105 College Algebra, 3.0 sem hrs
Topics include: Polynomial and rational equations and inequalities, graphs of functions, rate of change, transformations, extreme values, modeling, combining functions, one-to-one and inverse functions, exponential functions, logarithmic functions, laws of logarithms, exponential and logarithmic equations, modeling, systems of equations, linear systems in three variables, nonlinear systems of equations, and linear and nonlinear systems of inequalities. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAT1033

MAC1114 College Trigonometry, 3.0 sem hrs
Topics include: the unit circle, trigonometric functions (their definitions, graphs and inverses), right triangles, oblique triangles, trigonometric identities, trigonometric equations, the trigonometric form of complex numbers, two-dimensional vectors, polar coordinates, and parametric equations. A scientific calculator is required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC1105 OR MAC1104

MAC1140 Pre-Calculus Algebra, 3.0 sem hrs

Topics include: Graphing, solving equations and applications involving exponential and logarithmic functions; Systems of Equations, linear and nonlinear, two-variable and multivariable, and partial fractions; Matrices, inverses, determinants and Cramer's Rule; Sequences and Series, arithmetic sequences and partial sums, geometric sequences and series, Mathematical Induction, and the Binomial Theorem; Analytic Geometry, parabolas, ellipses, hyperbolas, and transformations of conics; Introduction to Limits, the two-sided limit, the derivative, and limits to infinity. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC1105 OR MAC1104

MAC2233 Calculus for Business and Nonphysical Sciences I, 3.0 sem hrs

This course is designed for students who plan to major in Business or the Social Sciences. Topics include: Limits, continuity, differentiation and integration of algebraic, exponential and logarithmic functions with emphasis placed on applications in business, economics, and social sciences. A scientific calculator is required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC1140

MAC2311 Calculus I, 3.0 sem hrs

Topics include: Functions and graphs, mathematical models, limits, continuity, slope of a curve, derivatives of algebraic and transcendental functions, techniques of differentiation, applications of derivatives, differentials, optimization, plane areas, antiderivatives, definite integrals, and Fundamental Theorem of Calculus. A graphing calculator is required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC1140 AND MAC1114
Conc-Reqs: MAC2311L

MAC2311L Calculus I Lab, 1.0 sem hrs

Topics include: Functions and graphs, mathematical models, limits, continuity, slope of a curve, derivatives of algebraic and transcendental functions, techniques of differentiation, applications of derivatives, differentials, optimization, plane areas, antiderivatives, definite integrals, and Fundamental Theorem of Calculus. A graphing calculator is required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Conc-Reqs: MAC2311

MAC2312 Calculus II, 3.0 sem hrs

Topics include: Techniques of integration, applications of integrations, differentiation and integration in polar form, sequences and series. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC2311
Conc-Reqs: MAC2312L

MAC2312L Calculus II Lab, 1.0 sem hrs

Topics include: Techniques of integration, applications of integrations, differentiation and integration in polar form, sequences and series.***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC2311
Conc-Reqs: MAC2312

MAC2313 Calculus III, 3.0 sem hrs

Topics include: Vectors analysis and applications, equations of lines and planes in space, vector valued functions, partial derivatives, and minimizing/maximizing functions of several variables, Lagrange Multipliers, directional derivatives, gradient, iterated, multiple, surface and line integrals, and Green's Theorem. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC2312
Conc-Reqs: MAC2313L

MAC2313L Calculus III Lab, 1.0 sem hrs

Topics include: Vectors analysis and applications, equations of lines and planes in space, vector valued functions, partial derivatives, and minimizing/maximizing functions of several variables, Lagrange Multipliers, directional derivatives, gradient, iterated, multiple, surface and line integrals, and Green's Theorem. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC2312
Conc-Reqs: MAC2313

MAD - Mathematics

MAD2104 Discrete Mathematics, 3.0 sem hrs

Topics include: Sequences and sequence notation, propositional logic, negation and logical equivalence, quantifiers, multiple quantifiers and their negations, implications, the logic of implications, valid and invalid forms of reasoning; Direct and indirect proofs, proving by cases, mathematical induction, proof by contradiction, the pigeonhole principle, modular arithmetic and cryptography; Sets, subsets, operations on sets, proving set properties, the duality principle, Boolean algebra; Notation and terminology of functions, inverse functions, properties of relations, order relations, proofs about properties of relations, equivalence relations; Combinatorics, finite structures, combinatorical equivalence, basic rules for counting, combinations and the binomial theorem, binary sequences, recursive counting; Graphs and Trees, proofs about graphs and trees, isomorphism and planarity, graphs in puzzles and games. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Co-Reqs: MAC1114

MAE - Mathematics Education

MAE2801 Elementary School Mathematics, 3.0 sem hrs

This course contains mathematical material appropriate for students studying to be elementary school teachers. Topics include: Operations on real numbers, problem solving techniques, prime factorizations, numerical systems, simplifying numeric expressions, sets and Venn diagrams, converting base systems, solving geometric problems, identification and classification of two and three dimensional figures, and finding area and perimeter of these figures. This course will help satisfy the graduation requirements of the Associate of Arts (AA) degree. This course is offered during the FA, SP and SU terms.

Pre-Reqs: MAC1105 OR MGF2106

MAE4326 How Children Learn Mathematics, 3.0 sem hrs

The purpose of this course is to provide strategies for pre-service teachers to develop mathematical literacy and understanding in the elementary classroom. This course requires a field experience in the public schools. This course is a 7 week class offered during the FA and SP terms.

Pre-Reqs: TSL3080 AND MAE2801 AND EDF4430 AND EDG4323

MAE4360 Mathematics Instructional Analysis, 3.0 sem hrs

The purpose of this course is to prepare the pre-service mathematics teachers with the necessary knowledge and skills to be reflective, effective practitioners in the 6-12 setting. This course requires field experience in a secondary public school. This course is a 7 week class and may be offered during the FA or SP term.

Pre-Reqs: EDF4430 AND EDG4323

MAN - Management

MAN2021 Principles of Management, 3.0 sem hrs

Designed to enable the student to understand and apply the following basic functions of management: planning, organizing, staffing, leading and controlling. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

MAN2905 Directed Study in Management, 1.0 - 4.0 sem hrs

Directed Study in Management FA, SP, SU

MAN3240 Organizational Behavior, 3.0 sem hrs

This course is a study of individual and group behavior in organizations. Students will develop an understanding of how organizations can be managed more effectively. Course content includes motivation, group dynamics, conflict resolution, goal setting and rewards, job design, work stress, power/politics, and organizational change and development. PR: Junior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

MAN3353 Management Theory and Practices, 3.0 sem hrs

This course examines management theory, relevant applications and cases, self-management, teamwork, global awareness, and communication for the development of management competencies. PR: Junior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

MAN3905 Directed Study in Supervision and Management, 1.0 - 4.0 sem hrs

Directed Study in Supervision and Management. FA, SP, SU

MAN4120 Leadership Challenges and Supervision, 3.0 sem hrs

Discussion and application of leadership theories include skill formation to develop leadership abilities. Team building skills are emphasized to enhance leadership effectiveness. Students learn the importance of visioning in their organizations. PR: Senior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

MAN4162 Customer Relations for Managers, 3.0 sem hrs

This course examines relationship building for all customers of an organization. The impact of culture and diversity on business relationships, successful negotiation strategies, and promotion of the organization through media relations are discussed. PR: Junior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

MAN4301 Human Resource Management, 3.0 sem hrs

This course is a study of the functions of human resource management including recruitment, selection, benefits and compensation, performance evaluation, development of employees, and formulation of human resource procedures. The strategic role of human resources and current issues will be discussed. PR: Junior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

MAN4504 Operational Decision Making, 3.0 sem hrs

This course focuses on operational decision-making management techniques to improve the processes and productivity in organizations. Discussion of quality and outcomes, efficiency, forecasting, work-flow processes, inventory control, design of goods and services, waiting lines and critical path. Managing a project from beginning to end, including how to identify needs, and define, assign and track items, is addressed. PR: Senior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213

MAN4900 Capstone Project in Supervision and Management, 4.0 sem hrs

This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. PR: Senior level status or permission of the chair is required. To be taken during the last semester of the program. FA, SP, SU

Co-Reqs: GEB3213

MAN4905 Directed Study in Supervision and Management, 1.0 - 4.0 sem hrs

Directed Study in Supervision and Management. FA, SP, SU

MAP - Mathematics (Applied)

MAP2302 Differential Equations, 2.0 sem hrs

Topics include: First order ordinary differential equations, theory of linear ordinary differential equations solutions of linear and non-linear equations including variation of parameters, undetermined coefficients and Laplace transformations, matrix methods along with applications such as Newton's Law of Cooling, mixture problems, springs and free fall. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC2312 OR MAC2312L
Conc-Reqs: MAP2302L

MAP2302L Differential Equations Lab, 1.0 sem hrs

Topics include: First order ordinary differential equations, theory of linear ordinary differential equations solutions of linear and non-linear equations including variation of parameters, undetermined coefficients and Laplace transformations, matrix methods along with applications such as Newton's Law of Cooling, mixture problems, springs and free fall. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: MAC2312
Conc-Reqs: MAP2302

MAP3401 Problem Analysis, 3.0 sem hrs

Application of Calculus in Solving Engineering Technology Problems.

Pre-Reqs: MAC2311

MAR - Marketing

MAR2011 Principles of Global Marketing, 3.0 sem hrs

A global approach to the study of marketing. Domestic, international and multinational consideration of customer, product, price, promotion and place will be explored. Students will complete a marketing plan. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

MAR2101 Social Media Marketing, 3.0 sem hrs

An in-depth review of the impact that social media has had on marketing. The focus will be on developing an effective marketing plan using social media. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

MAR2321 Advertising, 3.0 sem hrs

An in-depth review of advertising, including consumer behavior, relationship marketing, advertising planning, media selection, public relations and integrating marketing communications. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

MAR2720 Introduction to E-Commerce, 3.0 sem hrs

Course introduces students to the steps and strategies necessary for marketing products on the Internet. Emphasis is on tools, techniques, challenges and decision-making ability needed to participate in this rapidly growing sector of the economy. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

MAR2905 Directed Study in Marketing, 1.0 - 4.0 sem hrs

Directed Study in Marketing FA, SP, SU

MAR2949 Cooperative Education Experience in Marketing, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Marketing FA, SP, SU

MAS - Mathematics

MAS3105 Linear Algebra, 3.0 sem hrs

Topics include: Solving systems of linear equations, matrix algebra, determinants, vector spaces and linear transformations with an emphasis beginning placed on computational methods with some exposure to proofs. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: MAC2312 AND MAC2312L

MAS3301 Abstract Algebra, 3.0 sem hrs

Topics include: Divisibility and Euclid's Algorithm, Theorems of Euler and Fermat, Groups, Sub Groups, Cyclic Groups, Permutation Groups, Symmetric Groups, Cosets, Normal Subgroups, Quotient Groups, Fields, Rings, Subrings, Ideals, Quotient Rings, Isomorphisms, Homeomorphisms and Congruence. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: MAS3105

MAS4203 Number Theory, 3.0 sem hrs

Topics include: Fibonacci Numbers, Divisibility, the Euclidean algorithm, Mersenne Primes, the Fundamental Theorem of Arithmetic, Number-theoretic functions, Diophantine Equations, Congruences, the Chinese Remainder Theorem, Perfect Numbers, Euler's Theorem, Fermat's Little Theorem, and Wilson's Theorem. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: MAC2312 AND MAC2312L

MAT - Mathematics

MAT0018 Mathematics I (Pre-Algebra), 3.0 college prep hrs

Topics include: A review of the basic arithmetic operations of whole numbers, mixed numbers, fractions, decimals and percents, ratio and proportion, basic operations of real numbers, simplifying algebra expressions and solving basic linear equations. (MAT 0018 cannot be used toward A.A. or A.S. degree requirements. FA, SP, SU

Conc-Reqs: MAT0018L

MAT0018L Mathematics I (Pre-Algebra) Lab, 1.0 college prep hrs

Topics include: A review of the basic arithmetic operations of whole numbers, mixed numbers, fractions, decimals and percents, ratio and proportion, basic operations of real numbers, simplifying algebra expressions and solving basic linear equations. (MAT 0018 cannot be used toward A.A. and A.S.degree requirements. Concurrent Requisite: MAT 0018L.) FA, SP, SU.

Conc-Reqs: MAT0018

MAT0022 Integrated Arithmetic and Algebra, 5.0 college prep hrs

This course is a review of arithmetic involving basic operations of whole numbers, fractions, decimals and percents. Additional topics includes an introduction to algebraic concepts such as graphing linear equations in two variables, polynomials and properties of exponents, factoring and other skills need for further study in algebra and general education mathematics. MAT 0022 cannot be used towards an A.A. or A.S. degree requirement. FA, SP, SU

MAT0028 Mathematics II (Elementary Algebra), 3.0 college prep hrs

Topics include: An introduction to algebra: a review of basic operations of real numbers, solving linear equations containing parentheses, fractions, and decimals, graphing linear equations in two variables, polynomials and properties of exponents and factoring. MAT 0028 cannot be used toward A.A. or A.S. degree requirements. MAT 0028 cannot be used toward A.A. and A.S. degree requirements. FA, SP, SU.

Pre-Reqs: MAT0018L AND MAT0018
Conc-Reqs: MAT0028L

MAT0028L Mathematics II (Elementary Algebra) Lab, 1.0 college prep hrs

Topics include: An introduction to algebra: a review of basic operations of real numbers, solving linear equations containing parentheses, fractions, and decimals, graphing linear equations in two variables, polynomials and properties of exponents and factoring. MAT 0028 cannot be used toward A.A. or A.S. degree requirements. MAT 0028 cannot be used toward A.A. and A.S. degree requirements. FA, SP, SU.

Pre-Reqs: MAT0018L AND MAT0018
Conc-Reqs: MAT0028

MAT1033 Intermediate Algebra, 4.0 sem hrs

Topics include: Graphing linear functions, quadratic functions, absolute value functions, radical functions and rational functions, with a focus on simplifying, adding and multiplying these functions as well as methods to solve equations involving these types of functions. Other topics include inequalities, functional equations, factoring polynomials, applied problems, systems of equations, quadratic formula, complex numbers, and completing the square. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU.

Pre-Reqs: MAT0028 OR MAT0024 OR MAT0020

MCB - Microbiology

MCB1010 Microbiology, 3.0 sem hrs

A study of the microbial world, with emphasis on structure, function, metabolism and principles of the host-parasite relationship. Three-hour lecture, three-hour laboratory. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101
Pre-Reqs: BSC1085 OR BSC1010
Conc-Reqs: MCB1010L

MCB1010L Microbiology Lab, 1.0 sem hrs

Mandatory three-hour laboratory portion of MCB 1010. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101
Conc-Reqs: MCB1010
Lab Fees: $65.00

MCB2905 Directed Study in Microbiology, 1.0 - 3.0 sem hrs

Directed Study in Microbiology FA, SP, SU

MEA - Medical Assisting

MEA0005 Introduction to Medical Assisting, 4.03 voc hrs

This course covers the history of medicine, the medical assisting profession, the duties of a medical assistant, the characteristics of a medical assistant and members of the health care team, insurance, credits, collection methods and correct coding procedures for billing purposes will be covered. Students will also be prepared to seek employment in the field and be given guidelines for resumé writing, cover letters and follow-up letters for interview purposes. SP, SU

MEA0204 Clinical Procedures for Medical Assisting, 1.66 voc hrs

This course covers infection control techniques, how infections and blood borne pathogens are spread, basic first aid and emergency procedures, as well as how to maintain emergency equipment. Students will also know how to take vital signs, prepare patients for, as well as assist with various procedures, quality control and how to maintain medication records and accurately document interviews and findings. SP

Pre-Reqs: MEA0005 AND MEA0310
Conc-Reqs: MEA0204L

MEA0204L Clinical Procedures for Medical Assisting Lab, 3.34 voc hrs

This course covers infection control techniques, how infections and blood borne pathogens are spread, basic first aid and emergency procedures, as well as how to maintain emergency equipment. Students will also know how to take vital signs, prepare patients for, as well as assist with various procedures, quality control and how to maintain medication records and accurately document interviews and findings. SP

Conc-Reqs: MEA0204
Lab Fees: $26.00

MEA0230 Medical Terminology for Medical Assisting, 3.33 voc hrs

Students will demonstrate a knowledge and understanding of basic body systems. Terminology, spelling, diseases and procedures associated with each system will be covered in this course. FA

Co-Reqs: MEA0204 AND MEA0230
Pre-Reqs: MEA0005
Conc-Reqs: MEA0230L

MEA0230L Medical Terminology for Medical Assisting Lab, 0.67 voc hrs

Students will demonstrate a knowledge and understanding of basic body systems. Terminology, spelling, diseases and procedures associated with each system will be covered in this course. FA

Conc-Reqs: MEA0230

MEA0231 Anatomy and Physiology for Medical Assisting, 3.33 voc hrs

The student will have knowledge of the organization of the human body and how it functions in both a wellness and illness state. The course will also prepare the student to assist the physician in planning of and education of patients on diets as they relate to diseases/health of each of the body systems. FA

Co-Reqs: MEA0204 AND MEA0231 AND MEA0230
Pre-Reqs: MEA0005
Conc-Reqs: MEA0231L

MEA0231L Anatomy and Physiology for Medical Assisting Lab, 2.67 voc hrs

The student will have knowledge of the organization of the human body and how it functions in both a wellness and illness state. The course will also prepare the student to assist the physician in planning of

and education of patients on diets as they relate to diseases/health of each of the body systems. FA

Conc-Reqs: MEA0231

MEA0242 Pharmacology for Medical Assisting, 1.0 voc hrs

This course will prepare students to perform duties relevant to the administration of medications under the supervision of a physician. SP

Co-Reqs: MEA0256 AND MEA0310
Pre-Reqs: MEA0204 AND MEA0230 AND MEA0231
Conc-Reqs: MEA0242L

MEA0242L Pharmacology for Medical Assisting Lab, 3.0 voc hrs

This course will prepare students to perform duties relevant to the administration of medications under the supervision of a physician. SP

Conc-Reqs: MEA0242
Lab Fees: $5.00

MEA0256 Laboratory Procedures for Medical Assisting, 2.66 voc hrs

The student will gain an understanding of the various laboratory tests, the departments in a laboratory, the personnel, safety rules, government regulations, how to perform basic tests, how to collect blood specimens by various methods and how to perform electrocardiograms. SP

Co-Reqs: MEA0310 AND MEA0242
Pre-Reqs: MEA0204 AND MEA0230 AND MEA0231
Conc-Reqs: MEA0256L

MEA0256L Laboratory Procedures for Medical Assisting Lab, 3.64 voc hrs

The student will gain an understanding of the various laboratory tests, the departments in a laboratory, the personnel, safety rules, government regulations, how to perform basic tests, how to collect blood specimens by various methods and how to perform electrocardiograms. SP

Conc-Reqs: MEA0256
Lab Fees: $75.00

MEA0310 Clerical Procedures for Medical Assisting, 2.0 voc hrs

This course will prepare students to perform all duties of a medical office receptionist. Including but not limited to, skills in typing, filing, scheduling and billing. FA

Co-Reqs: MEA0256 AND MEA0242
Conc-Reqs: MEA0310L

MEA0310L Clerical Procedures for Medical Assisting Lab, 2.0 voc hrs

This course will prepare students to perform all duties of a medical office receptionist. Including but not limited to, skills in typing, filing, scheduling and billing. FA

Conc-Reqs: MEA0310

MEA0334 Coding for Medical Assisting, 0.67 voc hrs

This course will develop the basic skills in Current Procedural Terminology (CPT), International Classification of Diseases (ICD), and insurance and billing procedures needed by the medical assistant

working in a physician's office. FA

Co-Reqs: MEA0230 AND MEA0231 AND MEA0204
Pre-Reqs: MEA0005
Conc-Reqs: MEA0334L

MEA0334L Coding for Medical Assisting Lab, 1.33 voc hrs
This course will develop the basic skills in Current Procedural Terminology (CPT), International Classification of Diseases (ICD), and insurance and billing procedures needed by the medical assistant working in a physician's office. FA

Conc-Reqs: MEA0334

MEA0801 Externship for Medical Assisting, 8.0 voc hrs
The student will apply those skills gained in the classroom in a professional setting. They will be responsible for 240 hours of hands-on practical in physicians offices, clinic settings and urgent care facilities. The school will be responsible for obtaining the clinical sites, and monitoring the students progress to complete this portion of the program. SU

Pre-Reqs: MEA0256 AND MEA0310 AND MEA0242
Lab Fees: $10.00

MET - Meteorology

MET2010 Meteorology, 3.0 sem hrs
An introduction to the fundamentals of weather and climate. Topics include temperature, humidity, clouds, precipitation, air masses, fronts, storms, air pollution and climate. Emphasis is on how these processes take place and their results. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA,SP

Co-Reqs: MAT1033 AND ENC1101 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MAC2311 OR MGF2106

MGF - Mathematics

MGF2106 College Mathematics, 3.0 sem hrs
Topics include: Set theory, graph theory, logic, geometry, counting methods, probability, statistics, and other optional materials. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033

MGF2107 Mathematics for Liberal Arts, 3.0 sem hrs
Topics include: Consumer mathematics, mathematical modeling, and geometry in art, graph theory, voting, apportionment techniques and history of mathematics. Applications to real-world situations are heavily emphasized. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU.

Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT1033

MHF - Mathematics

MHF4404 History of Mathematics, 3.0 sem hrs

Topics include: Counting Methods (Egyptian & Babylonian), the Pythagoreans, Euclid, the Alexandrian School, Roman Mathematics, Indian Mathematics, Arabic Mathematics, Descartes, Pascal, the Calculus Controversy, Newton's Principia, the development of probability theory, the development of number theory, Euler, Gauss, moving toward a rigorous set of axioms for mathematics, Hilbert's unsolved problems, non-Euclidean geometries and modern topics in Mathematics. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: MAC2311 AND MAC2311L

MMC - Mass Communication

MMC1000 Introduction to Mass Communication, 3.0 sem hrs

Introduction to the media of mass communication, covering: medias impact on society; responsibilities and legalities; and careers in broadcasting, newspapers, magazines, book publishing, advertising, the music and movie industries. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: ENC1101

MNA - Management

MNA2161 Quality Service Management, 3.0 sem hrs

This course examines quality service management and develops an appreciation for its vital importance in today's businesses, nationally and internationally. The content includes customer service techniques, customer communications skills, dealing with challenging customers, and problem-solving skills. FA, SP, SU

MNA2345 Supervision of Personnel, 3.0 sem hrs

Designed for the student who holds or aspires to a supervisory position. The management functions of planning, organizing, staffing, directing and controlling will be studied and applied. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

MSL - Military Science

MSL1001 Foundations of Officership - MSL101, 1.0 sem hrs

A study of the defense establishment and the organization and development of the United States Army. A study of military courtesy, discipline, customs and traditions of the service. A historical perspective of the role of the different branches of the United States Army and the role they have played in the freedom of the nation. An instruction to physical readiness training. Exercises normally include M16-A1 rifle firing, rappelling training, and airmobile helicopter operations. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

MSL1002 Basic Leadership - MSL102, 1.0 sem hrs

Fundamentals of land navigation that include map reading, terrain identification, intersection, resection and polar coordinates. A study of the roles the active Army Forces, the Army Reserve Forces and the

Army National Guard play in our nations defense. Continued emphasis on physical readiness training. Field training exercises normally include M16-A1 rifle firing, rappelling training and airmobile operations. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

MSL2101 Individual Leadership Studies - MSL201, 1.0 sem hrs

A review of the customs and traditions of the service. The fundamentals of leadership development and the importance of understanding the principles needed for effective leadership. Requires mandatory physical training exercises which normally include M16-A1 rifle firing, rappelling training and airmobile helicopter operations. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

MSL2102 Leadership and Teamwork - MSL202, 1.0 sem hrs

The fundamentals of military geography and their application in the use of navigational aids for the military forces. A study of preventive medicine countermeasures and first aid techniques that every leader must know. Requires mandatory physical training and includes both lecture and leadership laboratory. Two weekend training exercises normally include M16-A1 rifle firing, rappelling training and airmobile helicopter operations. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

MSL3201 Adaptive Team Leadership - Army ROTC - MSL 301, 3.0 sem hrs

A study, practice and evaluation of adaptive leadership skills in challenging scenarios related to squad tactical operations. The focus is developing cadets tactical leadership abilities to enable them to succeed at ROTC's summer Leadership Development and Assessment Course (LDAC). A leadership laboratory and physical training course is mandatory. FA

Pre-Reqs: MSL1001 AND MSL2101 AND MSL2102

MSL3202 Applied Team Leadership - Army ROTC - MSL 302, 3.0 sem hrs

Course uses increasingly intense situational examples and exercises applying team leadership challenges to build cadet awareness and skills in leading tactical operations at the small unit level. Cadets review aspects of full spectrum operations and also conduct military briefings and develop proficiency in the operation orders process. A leadership laboratory and physical training course is mandatory. SP

Pre-Reqs: MSL1001 AND MSL1002 AND MSL3201 AND MSL2101

MSL4301 Adaptive Leadership - Army ROTC - MSL 401, 3.0 sem hrs

Cadets will learn about the special trust proposed by the US Constitution to Army Officers, Army Values and Ethics and how to apply them to everyday life as well as in Operating Environments, the officer's role in the Uniform Code of Military Justice and methods of Officer Career Management. A leadership laboratory and physical training course is mandatory. FA

Pre-Reqs: MSL3201 AND MSL3202

MSL4302 Leadership in a Complex World - Army ROTC - MSL 402, 3.0 sem hrs

Course explores the dynamics of leading Soldier's in Full Spectrum Operations in the Operating

Environment (OE). The couse places significant emphasis on preparing Cadets for their first unit of assignment. It uses case studies, scenarios and "What Now, Lieutenant?" exercises to prepare Cadets to face the complex ethical and practical demands of leading as a commissioned officer in the US Army. A leadership laboratory and physical training course is mandatory. SP

Pre-Reqs: MSL4301

MSS - Massage Therapy

MSS0156 Anatomy and Physiology for Massage Therapist I, 2.5 voc hrs
A course designed to cover all organ systems of the human body and their structure and function, taking the student from an understanding of tissues from a cellular level to the individual organ systems and their relationship as a whole. Students will begin their understanding of the human skeleton and muscular systems through lecture and mannequin labs. FA

MSS0157 Anatomy and Physiology Massage Therapist II, 2.5 voc hrs
A continuation of Anatomy & Physiology for Massage Therapist I with increased emphasis on the muscular system. Students will gain knowledge in kinesiology as origin and insertions and the action of muscles will be demonstrated through lecture, palpation and mannequin labs. SP

Pre-Reqs: MSS0156

MSS0215 Statutes/Rules and Ethics, 0.33 voc hrs
Students will learn the history of massage and the applications of therapeutic massage in our health care system. The statutes and rules of the Florida Board of Massage will be covered and discussed in detail. FA

MSS0274 PathologyRelated to Massage Therapy, 1.5 voc hrs
This course will provide students with information about numerous pathological conditions. Emphasis will be on conditions that occur frequently enough that a practicing massage therapist will likely encounter them and those conditions that may be profoundly affected by massage therapy. SP

MSS0283 Allied Modalities I, 1.7 voc hrs
Course will cover the use of allied modalities related to massage. Students will be shown various modalities within scope of practice and become familiar with those outside their scope of practice. FA

Lab Fees: $10.00

MSS0284 Allied Modalities II, 1.7 voc hrs
Course designed to enable students to gain professional attitudes with a commitment to the ethical practice of massage therapy. Employability skills as well as knowledge in business practices and standards will be discussed. This course will also increase students awareness of human relationship skills. SP

Pre-Reqs: MSS0283
Lab Fees: $10.00

MSS0315 Theory and Practice of Hydrotherapy, 0.67 voc hrs
This course will provide students with the history and principles of the theories of hydrotherapy as it

applies to therapeutic massage practices. SP

Lab Fees: $9.00

MSS0601 Professional and Personal Development, 0.5 voc hrs

This course focuses on preparing students for effective communication and emphasizes attentive listening and working with a diversity of clients. Students will learn about effective written and verbal communication skills. Practical guidelines will be given on how to establish a successful massage therapy practice, professional presentation, fee structure, marketing strategies, and business ethics. SP

MSS0803 Massage Theory and Clinical Practicum I, 1.25 voc hrs

This course will provide students with an understanding of the principles and theories of therapeutic massage. In a systematic approach students will be shown proper techniques of massage manipulation. It is here that students will begin their awareness of sensitivity and trust which will be carried throughout the program. FA

Conc-Reqs: MSS0803L

MSS0803L Massage Theory and Clinical Practicum I Lab, 4.05 voc hrs

This course will provide students with an understanding of the principles and theories of therapeutic massage. In a systematic approach students will be shown proper techniques of massage manipulation. It is here that students will begin their awareness of sensitivity and trust which will be carried throughout the program. FA

Conc-Reqs: MSS0803
Lab Fees: $10.00

MSS0804 Massage Theory and Practicum II, 1.25 voc hrs

This course will further students understanding of the principles and theories of therapeutic massage. Students will develop skills and confidence through palpation of major anatomical structures and muscle attachments, recognizing the quality of various tissue structures of the body. As part of this course students are required to give 30 Swedish massage sessions to be evaluated by client and instructor. Documentation and therapist/client communication skills will be covered in this course. SP

Pre-Reqs: MSS0803
Conc-Reqs: MSS0804L

MSS0804L Massage Theory and Practicum II Lab, 4.05 voc hrs

This course will further students understanding of the principles and theories of therapeutic massage. Students will develop skills and confidence through palpation of major anatomical structures and muscle attachments, recognizing the quality of various tissue structures of the body. As part of this course students are required to give 30 Swedish massage sessions to be evaluated by client and instructor. Documentation and therapist/client communication skills will be covered in this course. SP

Conc-Reqs: MSS0804
Lab Fees: $20.00

MTB - Mathematics

MTB1348 Applied Technical Math, 3.0 sem hrs

Precalculus mathematics designed for Engineering Technology majors. Topics emphasized are functions

and graphs, equations, geometry and right angle trigonometry. (Prerequisite: Placement through Daytona State placement test or MAT 0024/0024L with grade of "B" or better or permission of chairperson.) FA, SP

Pre-Reqs: MAT0028 OR MAT0024

MTG - Mathematics

MTG4212 Modern Geometry, 3.0 sem hrs
Topics include: Euclidean geometry and its relationship to logic, trigonometry, and coordinate geometry. The problems, proofs, constructions, and graphs involve line segments, angles, triangles and polygons, parallel and perpendicular lines, circles, and similarity. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: MAC2312L AND MAC2312

MUC - Music

MUC2601 Introduction to Songwriting, 3.0 sem hrs
This course covers the craft and technique of commercial songwriting through song analysis and construction. Students will take a step-by-step approach in organizing the creative elements for song building, performing and demo recording. The discipline and business procedures of the professional songwriter will be explored. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: MUT1001 OR MUT1121

MUH - Music History

MUH1021 History of Country Music, 3.0 sem hrs
An overview of the history and culture of American country music. This course explores the origin and progression of the genre and its relationship to other modern musical genres. Attention is given to the influence of the economic and sociological concerns of the day on the lyrical and musical content of the genre. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

MUH2110 Introduction to Music History and Literature, 3.0 sem hrs
This is a survey course in music history and literature from the Middle Ages to the present. There will be an emphasis placed on the development of musical forms and performing mediums as they relate to Western Art Music through the ages. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101
Pre-Reqs: MUT1121L AND MUT1121

MUL - Music

MUL1010 Music Appreciation, 3.0 sem hrs
A survey course designed to establish a broad understanding of Western and Non-western musical styles. An emphasis will be placed upon critical listening skills, the recognition of fundamental musical elements and the roles of music in society from ancient to modern times. This course contributes to satisfying the

Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

MUL2380 Popular Music in America, 3.0 sem hrs

This course looks at the events both social and musical that affected pop music in America. In addition, a timeline will be established and major artists contributions identified for the various periods of America pop culture. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

MUL2905 Directed Study in Music, 1.0 - 4.0 sem hrs

Directed Study in Music FA, SP, SU

MUM - Music Production Technology

MUM1610 Survey of Recording Technology, 3.0 sem hrs

An introductory course presenting an overview of recording technology as related to the music industry. The survey course provides an overall history of modern recording technology and techniques. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

MUM1622 Sound Reinforcement, 3.0 sem hrs

A study of current technology and techniques in sound reinforcement. Students focus upon the selection and operation of sound equipment for venues ranging in size from small clubs to large concert halls. Topics include live mixing and monitor equalization. Outside lab/field work is required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: MUM1610

MUM2600 Audio Engineering I, 3.0 sem hrs

A detailed study of the equipment used in the modern recording studio. Emphasis is placed on each component of the recording process. Students receive an introduction to the recording session and modern recording studio practices. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: MUM2600L
Pre-Reqs: MUM1610

MUM2600L Audio Engineering I Lab, 2.0 sem hrs

This course is a hands on companion to MUM 2600. Students apply recording techniques in order to complete a finished mixed project. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: MUM2600
Pre-Reqs: MUM1610
Lab Fees: $100.00

MUM2601 Audio Engineering II, 3.0 sem hrs
A continuation of MUM 2600, this course is an advanced study of the equipment used in the modern recording studio. Emphasis is placed on critical listening, ear training and aesthetics. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: MUM2601L
Pre-Reqs: MUM2600

MUM2601L Audio Engineering II Lab, 2.0 sem hrs
This course is a hands on companion to MUM 2601. Students apply advanced recording techniques in order to complete a finished mixed project. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: MUM2601
Pre-Reqs: MUM2600L
Lab Fees: $100.00

MUM2603 Studio Maintenance, 3.0 sem hrs
This course focuses on system architecture and troubleshooting techniques. Topics include soldering, wiring standards, preventative maintenance and basic electronic circuitry as related to recording equipment. Lab hours required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: MUM1610
Lab Fees: $50.00

MUM2607 Soundtrack Development, 3.0 sem hrs
A project oriented approach to the development of soundtracks for audio-visual presentations such as motion pictures, TV shows and commercials. It covers basic principles of graphics design and technology, basic video editing techniques, DVD authoring, Foley, ADR, music timing, sweetening, and sound replacement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: MUM2640

MUM2609 Studio Production, 3.0 sem hrs
A detailed study of the role of the music producer and recording engineer. Topics include musical arrangement, lead sheets, number charts, union documentation and payment practices. Students create "demo" and "master" projects under the supervision of the instructor. Lab hours required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: MUM2600

MUM2611 Live Recording Techniques, 3.0 sem hrs
A study of live-concert recording techniques. Students explore the unique challenges involved in recording live performances. Topics include selection and operation of recording equipment, synchronization and transformer isolation. Students create a live recording under the supervision of instructor. Field work required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: MUM1622

MUM2640 Post Production Sound, 3.0 sem hrs

A project oriented approach to audio post-production techniques, includes CD mastering, Surround Sound mixing, integration of dialog, sound effects and music in film and video productions. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: MUM2609

MUM2700 Survey of Music Business, 3.0 sem hrs

An overall examination of the major areas of the music industry. Attention is given to current issues related to the production, marketing, distribution and sale of music products. Guest lecturers from the music industry may be utilized. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

MUM2720 Music Publishing, Copyright and Intellectual Property, 3.0 sem hrs

This course is a practical multi-perspective examination of copyrighting, music licensing, songwriting, music publishing and the marketing and exploitation of copyrights in specific application to the music business. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: MUM2700

MUM2722 Artist Management, 3.0 sem hrs

This course is a comprehensive examination of the critical aspects, concepts and components of artist management as it pertains directly to recording artist career development and expansion from launch to selling-through. Many of the concepts presented may be applied to other areas of the entertainment business and related fields and may provide significant value to those interested in managing recording engineers, producers, performers, authors, fine artists, and other performing artists. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: MUM2700

MUM2728 Concert Production and Event Management, 3.0 sem hrs

This course is a practical multi-perspective study of the business of concerts and events including concert production, event management, tour production, audience-building, contracts and promotion as it applies directly to the music business. The course will include thorough discussion of the elements of team members required for concert production and event management including promoters, sponsors, buyers, talent bookers, performers, and musicians. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: MUM2700

MUM2730 Public Relations and Marketing for Music, 3.0 sem hrs

This course is a practical multi-perspective examination of basic Public Relations (PR) and Marketing principles pertaining specifically to the fundamentals of the music business. Students will explore marketing, promotion and public relations practices employed to promote and support the monetization of a recording career, including the sale of recorded music, concert tickets, merchandise, and ancillary product. Discussion will include tools of the trade, traditional record label marketing, traditional record label public relations, product packaging, marketing plans, media exposure, crisis management, the media universe, new media and mobile technology, the publicity plan, branding, the roles of a PR/marketing executive, events, and story design/angles. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: MUM2700

MUN - Music

MUN1031 Contemporary Music Ensemble I, 1.0 sem hrs
Courses in an instructional program that provide opportunities for students to participate in ensembles. May be repeated one time for credit. (Prerequisite: Permission of instructor.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $30.00

MUN1032 Contemporary Music Ensemble II, 1.0 sem hrs
Courses in an instructional program that provide opportunities for students to participate in ensembles, including rock, pop, blues and country. (Prerequisite: MUN 1031.) May be repeated one time for credit. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: MUN1031

MUN1120 College Band, 2.0 sem hrs
Reading and performance of all styles of concert band literature; encouragement of soloist and ensemble performance with band. May be repeated one time for credit. Four hours of class per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUN1120L

MUN1120L College Band Lab, 1.0 sem hrs
Reading and performance of all styles of concert band literature; encouragement of soloist and ensemble performance with band. May be repeated one time for credit. Four hours of class per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUN1120

MUN1210 Orchestra, 2.0 sem hrs
An instrumental ensemble performing works from the symphonic repertory. May be repeated one time for credit. Four hours of class per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUN1210L

MUN1210L Orchestra Lab, 1.0 sem hrs
An instrumental ensemble performing works from the symphonic repertory. May be repeated one time for credit. Four hours of class per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUN1210

MUN1340 Concert Choir, 2.0 sem hrs
Offers an opportunity to study and perform master choral works from the Renaissance to the contemporary periods. Membership open to all students by audition. May be repeated one time for credit. Four hours of class per week. (Contact instructor.) *This course will help satisfy the graduation*

requirements of the Associate of Arts (A.A.) degree. FA, SP

Conc-Reqs: MUN1340L

MUN1340L Concert Choir Lab, 1.0 sem hrs

Offers an opportunity to study and perform master choral works from the Renaissance to the contemporary periods. Membership open to all students by audition. May be repeated one time for credit. Four hours of class per week. (Contact instructor.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUN1340

MUN1362 Madrigal Dinner Rehearsal and Performance, 3.0 sem hrs

The class will focus on acting, singing (choral, ensemble, and solo), and role playing as they are applied to the annual Yuletide Feast productions. May be repeated one time for credit. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

MUN1410 String Chamber Ensemble, 1.0 sem hrs

MUN 1410-2410 String Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1420 Woodwind Chamber Ensemble, 1.0 sem hrs

MUN 1420-2420 Woodwind Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1430 Brass Chamber Ensemble, 1.0 sem hrs

MUN 1430-2430 Brass Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1440 Percussion Chamber Ensemble, 1.0 sem hrs

MUN 1440-2440 Percussion Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1450 Keyboard Chamber Ensemble, 1.0 sem hrs

MUN 1450-2450 Keyboard Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1460 Mixed Chamber Ensemble, 1.0 sem hrs

MUN 1460-2460 Mixed Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1470 Collegium Musician Chamber Ensemble, 1.0 sem hrs

MUN 1470-2470 Collegium Musician Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1480 Guitar Chamber Ensemble, 1.0 sem hrs

MUN 1480-2480 Guitar Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1490 Early Music Chamber Ensemble, 1.0 sem hrs

MUN 1490-2490 Early Music Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUN1710 Jazz Ensemble, 2.0 sem hrs

Analytical study and performance of popular works in big band jazz, small combo groups, swing, be-bop, ballad and improvisation techniques. Three hours of class per week. May be repeated one time for credit. (Prerequisite: Permission of instructor.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUN1710L

MUN1710L Jazz Ensemble Lab, 1.0 sem hrs

Analytical study and performance of popular works in big band jazz, small combo groups, swing, be-bop, ballad and improvisation techniques. Three hours of class per week. May be repeated one time for credit. (Prerequisite: Permission of assistant chair.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUN1710

MUN1711 Jazz Combo, 1.0 sem hrs

This course provides the student with an applied, laboratory setting in which to explore the literature and performance techniques involved in small jazz combo playing. Improvisation skills, piano voicing and comping styles, horn arranging and a wide range of other skills will be explored. May be repeated one time for credit. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

MUN1720 Contemporary Vocal Ensemble, 2.0 sem hrs

Vocal and instrumental showcase group which represents the College through performance of choreographed American popular music. Membership open to all students by audition. May be repeated one time for credit. (Contact instructor.) Four hours of class per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: MUN1340
Conc-Reqs: MUN1720L

MUN1720L Contemporary Vocal Ensemble Lab, 1.0 sem hrs

Vocal and instrumental showcase group which represents the College through performance of choreographed American popular music. Membership open to all students by audition. May be repeated one time for credit. (Contact instructor.) Four hours of class per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUN1720

MUN2490 Early Music Chamber Ensemble, 1.0 sem hrs
MUN 1490-2490 Early Music Chamber Ensemble. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUS - Music

MUS1621 Acoustics and Psychoacoustics, 3.0 sem hrs
A study of theoretical and architectural acoustics such as absorption coefficients, modes, growth and decay, diffusion and isolation. Topics include design applications, structural techniques and materials. Lab hours required. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: MUM2601

MUS2360 Learning Basic Music Using the Computer, 3.0 sem hrs
A course designed to introduce the student to basic music applications on the computer. The student will gain a basic knowledge of MIDI setup and applications such as engraving and sequencing. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

MUS2905 Cooperative Education Experience in Music, 1.0 - 3.0 sem hrs
Cooperative Education Experience in Music. FA, SP, SU

MUT - Music

MUT1001 Fundamentals of Music, 3.0 sem hrs
The student learns to read basic music notation and applies this knowledge to develop fundamental skills. Also, students begin to create simple compositions and to develop the ability to notate music which is heard. This course requires no music skills or previous experience. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

MUT1121 Music Theory I, 3.0 sem hrs
Elements of music through reading, writing, singing and playing. All primary and secondary triads, their conversions and the dominant seventh chord. Sight singing, ear training, keyboard harmony, harmonic and structural analysis and elementary dictation. Three-hour class, two-hour laboratory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUT1121L

MUT1121L Music Theory I Lab, 1.0 sem hrs
Elements of music through reading, writing, singing and playing. All primary and secondary triads, their conversions and the dominant seventh chord. Sight singing, ear training, keyboard harmony, harmonic and structural analysis and elementary dictation. Three-hour class, two-hour laboratory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUT1121

MUT1122 Music Theory II, 3.0 sem hrs

Continuation of MUT 1121 through secondary dominant chords and modulation. Part-writing principles, figured bass writing for instruments and elementary composition. Sight singing, ear training, keyboard harmony, harmonic and form analysis and intermediate dictation. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 1121/1121L.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: MUT1121
Conc-Reqs: MUT1122L

MUT1122L Music Theory II Lab, 1.0 sem hrs

Continuation of MUT 1121 through secondary dominant chords and modulation. Part-writing principles, figured bass writing for instruments and elementary composition. Sight singing, ear training, keyboard harmony, harmonic and form analysis and intermediate dictation. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 1121/1121L.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUT1122

MUT2126 Music Theory III, 3.0 sem hrs

Study of modulations; altered chords; extended chord structures; form analysis through reading, writing; sight-singing and ear training; and keyboard harmony. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 1122/1122L or equivalent.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: MUT1122
Conc-Reqs: MUT2126L

MUT2126L Music Theory III Lab, 1.0 sem hrs

Study of modulations; altered chords; extended chord structures; form analysis through reading, writing; sight-singing and ear training; and keyboard harmony. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 1122/1122L or equivalent.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUT2126

MUT2127 Music Theory IV, 3.0 sem hrs

Study of modulation, altered chords, extended chord structures and extended-form analysis. Score reading, part writing, composition, sight singing, ear training and form analysis. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 2126/2126L or equivalent.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: MUT2126
Conc-Reqs: MUT2127L

MUT2127L Music Theory IV Lab, 1.0 sem hrs

Study of modulation, altered chords, extended chord structures and extended-form analysis. Score

reading, part writing, composition, sight singing, ear training and form analysis. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 2126/2126L or equivalent.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: MUT2127

MVB - Music

MVB1211 Applied Music Secondary, Trumpet, 1.0 sem hrs
MVB 1211-2221 Applied Music Secondary, Trumpet. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVB1212 Applied Music Secondary, French Horn, 1.0 sem hrs
MVB 1212-2222 Applied Music Secondary, French Horn. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVB1213 Applied Music Secondary, Trombone, 1.0 sem hrs
MVB 1213-2223 Applied Music Secondary, Trombone. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA< SP, SU

Lab Fees: $100.00

MVB1214 Applied Music Secondary, Baritone Horn, 1.0 sem hrs
MVB 1214-2224 Applied Music Secondary, Baritone Horn. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVB1215 Applied Music Secondary, Tuba, 1.0 sem hrs
MVB 1215-2225 Applied Music Secondary, Tuba. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,, SP, SU

Lab Fees: $100.00

MVB1311 Applied Music Principal, Trumpet, 2.0 sem hrs
Applied Music, Principal, trumpet. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $200.00

MVK - Music

MVK1111 Applied Music-Group (Piano) I-II, 1.0 sem hrs
Class piano instruction. Open to all students. Required of alll music and music theory students having had little or no previous piano instruction. Two hours of class per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,SP,SU.

Lab Fees: $30.00

MVK1211 Applied Music Secondary, Piano, 1.0 sem hrs

MVK 1211-2221 Applied Music Secondary, Piano. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVK1212 Applied Music Secondary, Harpsichord, 1.0 sem hrs

MVK 1212-2222 Applied Music Secondary, Harpsichord. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVK1213 Applied Music Secondary, Organ, 1.0 sem hrs

MVK 1213-2223 Applied Music Secondary, Organ. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVK2121 Applied Music-Group (Piano) III-IV, 1.0 sem hrs

Class piano instruction. Open to all students. Required of all music and music theory students having had little or no previous piano instruction. Two hours of class per week. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,SP,SU

Lab Fees: $30.00

MVO - Music

MVO1210 Applied Music Secondary, Other Instruments, 1.0 sem hrs

MVO 1210-2220 Applied Music Secondary, Other Instruments. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVP - Music

MVP1211 Applied Music Secondary, Percussion, 1.0 sem hrs

MVP 1211-2221 Applied Music Secondary, Percussion. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVS - Music

MVS1116 Beginning Class Guitar, 1.0 sem hrs

Class in guitar instruction designed primarily for the beginner who does not read music. Emphasis on fundamentals of reading and technique. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Lab Fees: $15.00

MVS1211 Applied Music Secondary, Violin, 1.0 sem hrs

MVS 1211-2221 Applied Music Secondary, Violin. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVS1212 Applied Music Secondary, Viola, 1.0 sem hrs

MVS 1212-2222 Applied Music Secondary, Viola. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVS1213 Applied Music Secondary, Cello, 1.0 sem hrs

MVS 1213-2223 Applied Music Secondary, Cello. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVS1214 Applied Music Secondary, String Bass, 1.0 sem hrs

MVS 1214-2224 Applied Music Secondary, String Bass. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP,SU

Lab Fees: $100.00

MVS1215 Applied Music Secondary, Harp, 1.0 sem hrs

MVS 1215-2225 Applied Music Secondary, Harp. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVS1216 Applied Music Secondary, Guitar, 1.0 sem hrs

MVS 1216-2226 Applied Music Secondary, Guitar. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVS2126 Intermediate Class Guitar, 1.0 sem hrs

Class in guitr instruction designed primarily for the intermediate guitar student who has developed rudimentary music reading skills. Emphasis on developing reading and technique to college level performance expectations. (Prerequisite: MVS1116 or by audition.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Lab Fees: $15.00

MVV - Music

MVV1111 Beginning Class Voice, 1.0 sem hrs

Students will gain a general understanding of the fundamentals of singing and vocal techniques through practical application in both group and individualized settings. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA< SP, SU

MVV1211 Applied Music Secondary, Voice, 1.0 sem hrs
MVV 1211-2221 Applied Music Secondary, Voice. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA< SP, SU

Lab Fees: $100.00

MVW - Music

MVW1211 Applied Music Secondary, Flute, 1.0 sem hrs
MVW 1211-2221 Applied Music Secondary, Flute. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,SP, SU

Lab Fees: $100.00

MVW1212 Applied Music Secondary, Oboe, 1.0 sem hrs
MVW 1212-2222 Applied Music Secondary, Oboe. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA< SP, SU

Lab Fees: $100.00

MVW1213 Applied Music Secondary, Clarinet, 1.0 sem hrs
MVW 1213 2223 Applied Music Secondary, Clarinet. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,SP,SU

Lab Fees: $100.00

MVW1214 Applied Music Secondary, Bassoon, 1.0 sem hrs
MVW 1214-2224 Applied Music Secondary, Bassoon. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

MVW1215 Applied Music Secondary, Saxophone, 1.0 sem hrs
MVW 1215-2225 Applied Music Secondary, Saxophone. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $100.00

NUR - Nursing - Associate Degree Nursing

NUR1005 Transition into Professional Nursing, 3.0 sem hrs
The transition course introduces concepts that facilitate educational progression to professional nursing without repetition. Concepts introduced in this course build on the practical nursing curriculum. The concepts are roles, health and wellness, nursing process, cultural and spiritual, family dynamics and injury. Upon completion of the course students will be able to apply these concepts to client care within the framework of the nursing process. Clinical experiences will be provided with clients across the lifespan in simple care environments. FA, SP

Pre-Reqs: BSC1085 AND BSC1086 AND BSC1086L AND BSC1085L AND PSY1012 AND MCB1010 AND ENC1102 AND MAC1105 AND MCB1010L AND ENC1101
Conc-Reqs: NUR1005L

NUR1005L Transition into Professional Nursing Lab, 5.0 sem hrs
Supervised college laboratory and clinical sites provide the Transition student with a variety of learning opportunities and clinical experiences. FA, SP

Conc-Reqs: NUR1005
Lab Fees: $220.00

NUR1010 Foundations of Nursing Practice, 3.0 sem hrs
The foundations course is designed to introduce the new student to the profession of nursing. Concepts introduced are legal rights and responsibilities, professional responsibilities, teaching and learning and community health. Upon completion of the course students will have an ethical grounding for entry into practice. FA, SP

Co-Reqs: NUR1005 OR NUR1020
Pre-Reqs: ENC1101 AND MCB1010 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010L
Lab Fees: $20.00

NUR1020 Nursing Process I, 3.0 sem hrs
Concepts introduced in this course will provide students with the knowledge, attitude and skills to promote health and prevent disease with clients who have normal physiological responses. The concepts emphasized will be health and wellness, safety and protection, age appropriate care, nursing process, cultural and spiritual and roles. Upon completion of the course students will be able to apply these concepts to client care within the framework of the nursing process. Clinical experiences will be provided with clients across the lifespan in wellness, community and long-term care settings. FA, SP

Co-Reqs: PSY1012 AND NUR1010 AND BSC1086L AND BSC1086
Pre-Reqs: ENC1101 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010 AND MCB1010L
Conc-Reqs: NUR1020L

NUR1020L Nursing Process I Lab, 4.0 sem hrs
Clinical and laboratory experiences designed to focus on the application of fundamental concepts and

the beginning development of nursing competencies. Focus is placed on the application of fundamental concepts and the beginning development of nursing competencies in the use of safe and effective caring interventions, nutritional influences, pharmacologic influences and communication strategies to meet the health care needs of clients using evidence based practice. FA, SP

Co-Reqs: BSC1086 AND PSY1012 AND BSC1086L AND NUR1010
Pre-Reqs: ENC1101 AND BSC1085L AND BSC1085 AND MAC1105 AND MCB1010 AND MCB1010L
Conc-Reqs: NUR1020
Lab Fees: $220.00

NUR1230 Nursing Process III, 3.0 sem hrs

Concepts introduced in this course will provide students with the knowledge, attitude and skills to safely care for clients with alterations in health. The concepts emphasized are physical mobility, metabolism, injury, comfort, elimination, infection and inflammation. Upon completion of the course students will be able to apply these concepts to client care within the framework of the nursing process. Clinical experiences will be provided with clients across the lifespan in diverse, simple care environments. This course will provide a foundation to build future concepts and future clinical experiences will be provided in increasingly complex environments. FA, SP

Co-Reqs: NUR1423L AND NUR1423 AND ENC1102
Pre-Reqs: NUR1020L AND NUR1010 AND NUR1020
Conc-Reqs: NUR1230L

NUR1230L Nursing Process III Lab, 4.0 sem hrs

Clinical experiences will provide supervised learning experiences in college nursing laboratories and in a variety of health care facilities.FA, SP.

Conc-Reqs: NUR1230
Lab Fees: $176.00

NUR1423 Nursing Process II, 2.0 sem hrs

This course introduces concepts related to the delivery of nursing care to childbearing families during the prenatal, intrapartum and postpartum periods. The concepts family assessment and reproductive will also be introduced. Emphasis will be placed on promotion, maintenance and restoration of health of the childbearing family. Concepts introduced in this course are prenatal, intrapartum and postpartum; care of newborn, family dynamics and reproductive. Upon completion of the course students will be able to apply these concepts to mothers, infants and families within the framework of the nursing process. Clinical experiences will be provided with the childbearing family in maternal and newborn settings. FA, SP

Co-Reqs: NUR1230L AND NUR1230 AND ENC1102
Pre-Reqs: NUR1005 OR NUR1010 AND NUR1020
Conc-Reqs: NUR1423L

NUR1423L Nursing Process II Lab, 2.0 sem hrs

This course focuses on the application and implementation of the nursing process with the childbearing family. This course includes the incorporation of cultural considerations of the childbearing family. Emphasis will be placed on promotion, maintenance and restoration of health of the childbearing family. FA, SP

Conc-Reqs: NUR1423

NUR2731 Nursing Process IV, 5.0 sem hrs

The concepts in this course will provide students with the knowledge, attitude and skills to safely care for clients with alterations requiring multi-contextual nursing care. The concepts emphasized are gas exchange, tissue perfusion, fluid and electrolyte and cellular regulation. Upon completion of the course students will be able to apply these concepts to client care within the framework of the nursing process. Clinical experiences will be provided with clients across the lifespan in diverse, complex care environments. FA, SP.

Co-Reqs: SPC2608
Pre-Reqs: NUR1005 OR NUR1230
Conc-Reqs: NUR2731L

NUR2731L Nursing Process IV Lab, 5.0 sem hrs

Clinical experiences will take place in a variety of health care settings.Emphasis is placed on demonstration of professional behaviors using critical thinking and collaboration within an interdisciplinary approach. FA, SP.

Conc-Reqs: NUR2731
Lab Fees: $196.00

NUR2905 Directed Study in Nursing, 1.0 - 4.0 sem hrs

Directed Study in Nursing FA, SP, SU

NUR2940 Nursing Process V, 5.0 sem hrs

Concepts introduced in this course will emphasize nursing care to clients across the lifespan with recurring healthcare needs. This capstone course integrates concepts introduced in prior courses providing a holistic, summative learning experience focusing on multi-disciplinary care. New concepts introduced in this course are health maintenance, developmental, coping,s tress, grief and loss, behavior, managing care, and safety and security. Students will have a supervision and team leading experience. Emphasis will be placed on clinical competencies, management of care, clinical decision making, professional behaviors, and teaching and learning. Clinical experiences will be provided with clients across the lifespan in diverse care settings. This course will culminate with a practicum experience in diverse care settings. FA, SP

Pre-Reqs: NUR2731 AND NUR2731L
Conc-Reqs: NUR2940L

NUR2940L Nursing Process V Lab, 6.0 sem hrs

Emphasis is placed on clinical competencies, management of care, clinical decision making, professional behaviors, and teaching and learning.Clinical experiences will provide supervised learning experiences a variety of health care facilities. FA, SP

Conc-Reqs: NUR2940
Lab Fees: $186.00

OCB - Marine Biology

OCB2000 Introduction to Marine Biology, 3.0 sem hrs

An introduction to the chemical, physical, and biological components of the marine environment. Emphasis is on the study of marine organisms and their ecological roles. Specific topics include Florida coastal and intracoastal systems and issues. Several one-day field trips are scheduled in addition to the weekly laboratory sessions. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2107 OR STA2023 OR MGF2106
Conc-Reqs: OCB2000L

OCB2000L Introduction to Marine Biology Lab, 1.0 sem hrs

Mandatory three hour laboratory component of OCB2000. Several one-day field trips are scheduled in addition to the weekly laboratory sessions. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: OCB2000
Lab Fees: $37.00

OCE - Oceanography

OCE1001 Introduction to Oceanography, 3.0 sem hrs

An introduction to physical oceanography, including geology and hydrology of the worlds ocean basins and oceanic effects on climatology. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101 OR MAC1140 OR MAC2311 OR MAC2233 OR MAP2302 OR MAC1114 OR MAC1105 OR MAC2312 OR MAC2313 OR STA2023 OR MGF2106 OR MGF2107
Pre-Reqs: MAT1033
Lab Fees: $5.00

OCE2013 Aquatic Environmental Science, 3.0 sem hrs

This course is organized around the geochemistry of Earth's hydrologic cycle with an emphasis on the principal constituents dissolved in and transported by natural waters. The course is built around field trip (s) and lab work during which students will obtain water quality data from local aquatic environments and create technical reports and presentations based on their data. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: CHM1025 AND OCE1001 AND STA2023 AND CHM1025L AND MAC1105
Conc-Reqs: OCE2013L

OCE2013L Aquatic Environmental Science Lab, 1.0 sem hrs

Lab component for; Course is organized around the geochemistry of Earth's hydrologic cycle with an emphasis on the principal constituents dissolved in and transported by natural waters. The course is built around field trip(s) and lab work during which students will obtain water quality data from local aquatic environments and create technical reports and presentations based on their data. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Conc-Reqs: OCE2013
Lab Fees: $100.00

OCE3014 Oceanography: Coastal Ocean Studies in Biogeochemistry, 3.0 sem hrs

A systems approach to the study of the world's oceans integrating elements of biological, chemical, geological and physical oceanography. Examination of basic oceanographic principals and processes, with a focus on marine ecosystems of East Central Florida. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: CHM1045L AND CHM1045 AND MAT1033 AND OCE1001
Conc-Reqs: OCE3014L

OCE3014L Oceanography: Coastal Ocean Studies in Biogeochemistry Lab, 1.0 sem hrs

Mandatory laboratory portion for OCE 3014. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Conc-Reqs: OCE3014
Lab Fees: $100.00

ORI - Oral Interpretation

ORI2000 Fundamentals of Oral Interpretation, 3.0 sem hrs

This course will introduce students, both individually and in groups, to an imaginative and skillful oral rendering and analysis of dramatic literature and prose. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

OST - Office Systems

OST1100 Keyboarding and Formatting I, 3.0 sem hrs

Introduction to the touch system of keyboarding (computer-aided) with application (using Word software) of skills to problems including letters, tabulations and manuscripts. FA, SP, SU

OST1110 Keyboarding and Formatting II, 3.0 sem hrs

Emphasis on timed production of various business forms and correspondence, speed and accuracy drills and an understanding of basic business functions. FA, SP, SU

Pre-Reqs: OST1100

OST1141 Keyboarding, 1.0 sem hrs

Course emphasizes proper use of a keyboard. Designed for all students who are or will be using computer terminals. FA, SP, SU

OST1330 Business English, 3.0 sem hrs

Designed as a systematic review of English grammar, usage, mechanics, vocabulary development, and spelling as they are used in business. A special emphasis on business terminology, practices and written correspondence. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

OST1435 Legal Terminology, 3.0 sem hrs
An explanation of the common legal vocabulary involved in the broad, general principles of substantive and procedural law. FA, SP

OST1711 Word Processing I, 3.0 sem hrs
A study of word processing concepts, techniques and applications. Document preparation and formatting is emphasized. Hands-on experience using word processing software is included. FA, SP, SU

Pre-Reqs: OST1141 OR OST1100

OST1760 Word Processing II, 3.0 sem hrs
A study of information processing and hands-on experience using a word processor. FA

Pre-Reqs: OST1711

OST2336 Business Communications, 3.0 sem hrs
Principles and techniques of correspondence, including specialized letter writing, research reports and oral presentations. FA, SP, SU

Pre-Reqs: ENC1101 OR OST1330

OST2401 Basic Office Procedures, 3.0 sem hrs
This course provides the basic elements of correct office training skill development and serves as the nucleus for legal and medical office procedure courses as well. Keyboarding skills are used in this course. FA,SP, SU

OST2431 Legal Keyboarding and Office Procedures, 3.0 sem hrs
A study of the legal secretarial role, professional relations, legal terminology and legal office procedures including preparation of legal documents using automated dictation equipment. Pre-Req: OST1100 or OST1141. FA, SP

Pre-Reqs: OST1141 OR OST1100

OST2461 Medical Keyboarding and Office Procedures, 3.0 sem hrs
Study of advanced medical office procedures including professional office relations, administrative skills, preparation of medical documents and management of office operations. Student must register for lab. FA, SP

Pre-Reqs: OST1711 OR OST1100

OST2501 Office Management, 3.0 sem hrs
Study of the organization and management of office personnel, electronic office equipment and the development of management skills. SP

OST2713 Advanced Computer Software Applications, 3.0 sem hrs

A study of advanced concepts, features and applications of personal computers, and advanced techniques in using word processing, electronic spreadsheets and database management software. FA, SP

Pre-Reqs: CGS2100 OR ISM2000

OST2828 Business Presentation Software, 1.0 sem hrs

This course provides the opportunity for the student to develop, design and create graphics presentations using Microsoft PowerPoint, a popular business presentation program. Students will use various features of the program, both basic and advanced, to develop computer generated slide presentations for business applications and virtual presentations on the Internet. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

OST2852 Excel for the Office, 1.0 sem hrs

This course provides the opportunity for the student to learn the fundamentals of a spreadsheet application and to gain an in-depth understanding of a spreadsheet program that allows the student to organize data, complete calculations, make decisions, graph data and develop professional looking spreadsheets. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

OST2905 Directed Study in Office Systems Management, 1.0 - 4.0 sem hrs

Directed Study in Office Systems FA, SP, SU

OST2949 Cooperative Education Experience in Office Systems, 1.0 - 4.0 sem hrs

Coooperative Education Training Assignment in Office Systems Management (Prerequisite: 12 semester hours of approved Office Systems courses and permission of Chairperson.) FA, SP, SU

OTH - Occupational Therapy

OTH1001 Introduction to Occupational Therapy, 3.0 sem hrs

Students are introduced to the field of occupational therapy; the history, philosophy, and underlying concepts of the profession; and exposed to various clinical settings and personnel. It also includes an introduction to basic medical terminology. FA, SP

Lab Fees: $5.00

OTH1003 Human Occupation Across the Lifespan, 3.0 sem hrs

This course provides a study of occupation (activities that have meaning and purpose in a persons life) across the lifespan. Topics include occupational development, roles and performance; meaning and identity; the person-environment-occupation model, client-centered treatment and health and wellness. FA

OTH1006 Occupational Therapy Documentation, 2.0 sem hrs

This course provides the student with the history, components, current trends and mechanics of documentation for occupational therapy services. Documentation as related to reimbursement is emphasized. SP

OTH1014 Analysis of Human Movement, 2.0 sem hrs

This course introduces the phenomenon of human motion and function within the context of occupational performance. Topics include: introduction to movement, survey of skeletal system, articular system, muscular system, and nervous system. Normal movement and posture are also examined. Impact of body structure and function upon clients occupational status and motor performance is integrated via discussion and application projects. SP

Pre-Reqs: BSC1085
Conc-Reqs: OTH1014L

OTH1014L Analysis of Human Movement Lab, 1.0 sem hrs

This course introduces the phenomenon of human motion and function within the context of occupational performance. Topics include: introduction to movement, survey of skeletal system, articular system, muscular system, and nervous system. Normal movement and posture are also examined. Impact of body structure and function upon clients occupational status and motor performance is integrated via discussion and application projects. SP

Conc-Reqs: OTH1014
Lab Fees: $7.00

OTH1114 Occupational Therapy Skills and Techniques I, 1.0 sem hrs

This course focuses on developing basic competencies in occupational therapy treatment techniques and methodologies. Content includes: application of occupational therapy practice framework in areas relating to performance skills, patterns, and contexts; skill building in areas of patient care, safety, and basic mobility; communication/interaction dynamics; cultural diversity; computer literacy and resource development; and basic occupational analysis. FA

Co-Reqs: OTH1001
Conc-Reqs: OTH1114L

OTH1114L Occupational Therapy Skills and Techniques I Lab, 1.0 sem hrs

This course focuses on developing basic competencies in occupational therapy treatment techniques and methodologies. Content includes: application of occupational therapy practice framework in areas relating to performance skills, patterns, and contexts; skill building in areas of patient care, safety, and basic mobility; communication/interaction dynamics; cultural diversity; computer literacy and resource development; and basic occupational analysis. FA

Conc-Reqs: OTH1114
Lab Fees: $3.00

OTH1800 Occupational Therapy Practicum I, 1.0 sem hrs

Level I field placements provide opportunities for students to apply basic occupational therapy principles and techniques. The placements are integrated in didactic courses to provide hands-on learning and participation under the direction of placement supervisors. SP

Pre-Reqs: OTH1001
Lab Fees: $13.00

OTH1802 Occupational Therapy Practicum II, 2.0 sem hrs

Students will perfect methods and techniques expected of entry-level Certified Occupational Therapy

Assistants (COTAs) while participating in observation, evaluation, treatment planning and treatment delivery under the direction of their supervisors. FA

Pre-Reqs: OTH1800
Lab Fees: $13.00

OTH2261 Occupational Therapy Skills and Techniques II, 2.0 sem hrs

This course provides instruction enabling the OTA student to further develop skills in areas of therapeutic mobility, activity analysis, and dealing with individuals, groups and populations in the context of health care restoration, prevention and promotion. Specific topics include: wheelchair transfers; basic exercises; ADL training and equipment provision; life skills training, occupational analysis, art and craft media; basic treatment strategies; service delivery models, and skill development in basic research methods. SP

Co-Reqs: OTH1014 AND OTH2300
Pre-Reqs: OTH1114
Conc-Reqs: OTH2261L

OTH2261L Occupational Therapy Skills and Techniques II Lab, 1.0 sem hrs

This course provides instruction enabling the OTA student to further develop skills in areas of therapeutic mobility, activity analysis, and dealing with individuals, groups and populations in the context of health care restoration, prevention and promotion. Specific topics include: wheelchair transfers; basic exercises; ADL training and equipment provision; life skills training, occupational analysis, art and craft media; basic treatment strategies; service delivery models, and skill development in basic research methods. SP

Conc-Reqs: OTH2261
Lab Fees: $6.00

OTH2264 Occupational Therapy Skills and Techniques III, 2.0 sem hrs

This course provides information, demonstrations, and lab activities that address advanced occupational therapy treatment methods that promote occupational performance and quality of life. Topics include: sensorimotor treatment models, applications of therapeutic adaptation, family training, community programming, basic orthotics and prosthetics, assistive technologies, physical agent modalities, accessibility issues, intervention planning, and healthy lifestyles. FA

Co-Reqs: OTH2420L AND OTH2420 AND OTH2520 AND OTH2520L
Pre-Reqs: OTH2261
Conc-Reqs: OTH2264L

OTH2264L Occupational Therapy Skills and Techniques III Lab, 1.0 sem hrs

This course provides information, demonstrations, and lab activities that address advanced occupational therapy treatment methods that promote occupational performance and quality of life. Topics include: sensorimotor treatment models, applications of therapeutic adaptation, family training, community programming, basic orthotics and prosthetics, assistive technologies, physical agent modalities, accessibility issues, intervention planning, and healthy lifestyles. FA

Conc-Reqs: OTH2264
Lab Fees: $17.00

OTH2300 Psychosocial Occupational Therapy, 4.0 sem hrs

Provides an overview of psychopathology as well as understanding of occupational therapy evaluations, treatment planning, intervention strategies and documentation used in psychosocial dysfunctions. Labs provide opportunities to observe and practice specific techniques. SP

Pre-Reqs: OTH1001
Lab Fees: $5.00

OTH2410 Conditions in Occupational Therapy, 3.0 sem hrs

This course will familiarize the student with the etiology, diagnosis, detection, medical management and prognosis of selected disease processes and traumatic injuries. Exploration of how these conditions affect the occupational performance of an individual, family, or community will be examined. This course will also enable the student to develop research and oral presentation skills via a research assignment. FA

Pre-Reqs: BSC1085 AND OTH1001

OTH2420 Occupational Therapy for Physical Dysfunction, 3.0 sem hrs

Provides the student with an understanding of evaluations, treatment planning, intervention strategies and documentation used in physical disabilities. Labs and occupational therapy settings provide opportunities to observe and practice specific techniques. FA

Pre-Reqs: OTH2410 AND OTH1014C
Conc-Reqs: OTH2420L
Lab Fees: $14.00

OTH2420L Occupational Therapy for Physical Dysfunction Lab, 1.0 sem hrs

Provides the student with an understanding of evaluations, treatment planning, intervention strategies and documentation used in physical disabilities. Labs and occupational therapy settings provide opportunities to observe and practice specific techniques. FA

Conc-Reqs: OTH2420

OTH2520 Developmental Issues, 2.0 sem hrs

This course introduces students to the role of occupational therapy in a pediatric setting. It includes the normal development processes specific to pediatric-related disorders and how they impact development, treatment approaches and interventions; and legal, ethical, and family issues related to children with special needs, ages 0 - 21 years. FA

Pre-Reqs: OTH2410
Conc-Reqs: OTH2520L

OTH2520L Developmental Issues Lab, 1.0 sem hrs

This course introduces students to the role of occupational therapy in a pediatric setting. It includes the normal development processes specific to pediatric-related disorders and how they impact development, treatment approaches and interventions; and legal, ethical, and family issues related to children with special needs, ages 0 - 21 years. FA

Conc-Reqs: OTH2520
Lab Fees: $10.00

OTH2840 O.T. Supervised Clinical Practice I, 5.0 sem hrs

Requires full-time field work for eight weeks in an O.T. treatment program. The student gains clinical experience working with patients under the supervision of an OTR/L. The student adheres to all the policies and regulations of the clinic. SP

Co-Reqs: OTH2933

Pre-Reqs: OTH1802
Lab Fees: $4.00

OTH2841 O.T. Supervised Clinical Practice II, 5.0 sem hrs

Requires full-time field work for eight weeks in an O.T. treatment program with a diagnostic group other than that chosen for OTH 2840. . SP

Co-Reqs: OTH2933
Pre-Reqs: OTH2840
Lab Fees: $3.00

OTH2933 O.T. Seminar for Clinical Practice, 1.0 sem hrs

This course presents the student with a variety of issues such as the transition from student to practitioner, relationships between OTA's and other healthcare professionals, ethics review, licensing requirements, resource and management skills, job search strategies and preparation for the National Certification Exam. SP

Co-Reqs: OTH2841 AND OTH2840
Lab Fees: $35.00

PCB - Biological Science
PCO - Psychology
PET - Health and Wellness
PGY - Photography
PHI - Philosophy
PHT - Physical Therapist
PHY - Physics
PLA - Paralegal (Legal Assisting)
PMT - Precision Metals (Manufacturing and Welding Technology)
POR - Foreign Language (Portuguese)
POS - Political Science
PPE - Psychology
PRN - Nursing - Practical
PSB - Psychology
PSC - Physical Sciences
PSY - Psychology

PCB - Biological Science

PCB2033 Introduction to Ecology, 3.0 sem hrs

This course explores the natural history, evolution and adaptation of fauna and flora to the environment with special emphasis on ecosystems of East Central Florida. The laboratory portion will stress wetlands ecology utilizing field techniques of sampling, identification, and delineation. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: BSC1010 AND MAC1105 AND STA2023
Conc-Reqs: PCB2033L

PCB2033L Introduction to Ecology Lab, 1.0 sem hrs

Lab component for; Course explores the natural history, evolution and adaptation of fauna and flora to the environment with special emphasis on ecosystems of East Central Florida. The laboratory portion will stress wetlands ecology utilizing field techniques of sampling, identification, and delineation. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Lab Fees: $75.00

PCB2510 Human Genetics, 3.0 sem hrs

This course is for students who wish to become professionals in genetic counseling, medicine, biomedical engineering, teaching and biotechnology. Classical and molecular genetics including human genetic disorders will be covered. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: BSC1010C OR MCB1010C OR BSC1010 OR MCB1010
Conc-Reqs: PCB2510L

PCB2510L Human Genetics Lab, 1.0 sem hrs

Mandatory lab for PCB2510. This course is for students who wish to become professionals in genetic counseling, medicine, biomedical engineering, teaching and biotechnology. Classical and molecular genetics including human genetic disorders will be covered. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: BSC1010C OR MCB1010C OR BSC1010 OR MCB1010
Conc-Reqs: PCB2510
Lab Fees: $84.00

PCB3034 General Ecology, 3.0 sem hrs

Principles of ecology with emphasis on Florida ecosystems. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: BSC1011
Conc-Reqs: PCB3034L

PCB3034L General Ecology Lab, 1.0 sem hrs

Principles of ecology with emphasis on Florida ecosystems. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Conc-Reqs: PCB3034
Lab Fees: $92.00

PCB3060 Introduction to Genetics, 3.0 sem hrs

This course covers fundamental principals of heredity from Mendel to the present and molecular genetics of prokaryotic and eukaryotic organisms. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: BSC1011L AND BSC1011 AND CHM1046 AND MAC1105 AND CHM1046L

PCB3203 Cell Physiology, 3.0 sem hrs

Physiology of cell specialization. Emphasis on comparative ultra structure, function and regulation of differentiated cell types. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: BSC1085

PCO - Psychology

PCO2202 Counseling Techniques, 3.0 sem hrs

Emphasis on the counseling helping process and on counseling and communication skills including accurate observation, therapeutic communication, intrapersonal and interpersonal awareness, conflict and goal setting. Personal and professional boundaries are explored as knowledge and skill-based learning. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

PET - Health and Wellness

PET2084 Personal Health and Wellness, 3.0 sem hrs

The components of fitness are blended with the presentation and understanding of information relating to nutrition, resistance training, common illnesses, sexually transmitted diseases, stress management, health care, substance abuse and managing personal lifestyles. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

PET2621 Principles of Athletic Training, 3.0 sem hrs

An introductory course to the field of athletic training. Includes information regarding career information, legal issues, conditioning, equipment emergency procedures, injury recognition, rehabilitation and pharmacology. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Lab Fees: $15.00

PET2622 Care and Prevention of Athletic Injuries, 3.0 sem hrs

A continuation of Principles of Athletic Training. Emphasis is on functional anatomy and the recognition, treatment and rehabilitation of specific injuries, illness and disorders that are commonly seen in the physically active population. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

PET2905 Directed Study in Physical Education, 1.0 - 4.0 sem hrs

Directed Study in Physical Education FA, SP, SU

PET2949 Cooperative Education Experience in Physical Education, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Physical Education FA, SP, SU

PGY - Photography

PGY1100 Photography I, 3.0 sem hrs

The basics of camera handling and the guidelines to better composition, including an introduction to the black and white darkroom. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $40.00

PGY1101 Photography as an Art Form, 3.0 sem hrs

Students' photographic skills will be developed through an exploration of media. Format, conceptual and production relationships will be incorporated in their photographic practice using elements of drawing, design, 3D construction, and typography. FA, SP, SU

Co-Reqs: PGY1800
Lab Fees: $50.00

PGY1115 Color Theory and Processes, 7.0 sem hrs

An introduction to color photography, including color negative, transparency, and digital color processes. Explores the technical, conceptual and production relationships in color photography. SU

Pre-Reqs: PGY1101 AND PGY1800
Lab Fees: $95.00

PGY1201 Introduction to Studio and Location Photography, 4.0 sem hrs

The students will explore advanced studio and location photography using a variety of camera, lighting, and image processing techniques. FA, SP

Co-Reqs: PGY2806
Pre-Reqs: PGY1101 AND PGY1800

Lab Fees: $95.00

PGY1403 Fundamentals of Photography, 4.0 sem hrs
This course introduces the basic aesthetic and theoretical aspects of photographic communication including the historical and critical context for looking at and creating photographs. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: PGY1800

PGY1800 Photography and the Digital Image, 5.0 sem hrs
An orientation to basic digital photography, including digital cameras, scanning, and printing. FA, SP

Co-Reqs: PGY1101
Lab Fees: $65.00

PGY2000 History and Aesthetics Photography, 3.0 sem hrs
This course traces the development of the photographic processes, cites the major contributions to the development of the art and examines contemporary aesthetic thought and practice. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: ENC1101

PGY2210 Professional Studio Portraiture, 4.0 sem hrs
Development of lighting skills and practice in the production of studio portraits. Class materials fee: $85. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: PGY2650
Pre-Reqs: PGY1201 AND PGY2806
Lab Fees: $95.00

PGY2216 Location Photography, 4.0 sem hrs
Development of location lighting skills in editorial, illustrative and interpretive portraits. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: PGY2226
Pre-Reqs: PGY2650 AND PGY2210
Lab Fees: $90.00

PGY2226 Commercial/Illustration Photography, 4.0 sem hrs
Concepts, techniques and applications for commercial illustrative photography emphasizing advanced lighting and creative problem solving for portraiture, architecture, landscape and still life photography in the studio and on location utilizing large format camera equipment. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: PGY2750 OR PGY2216
Pre-Reqs: PGY2210 AND PGY1115 AND PGY2650
Lab Fees: $90.00

PGY2270 Field Survey of Professional Photography, 3.0 sem hrs
An introduction to the field of professional photography, including but not limited to photojournalism, editorial, advertising, portrait and wedding, corporate/industrial, public relations, and fine art

photography. SU

PGY2273 Professional Photographic Business Practices, 3.0 sem hrs

Introduces the professional practices required to successfully run a photographic business. Provides a detailed industry overview through guest lectures, field trips and professional seminars. Topics include business types and structures, legal and financial issues, promotion and marketing, billing, pricing and copyright. Offered in cooperation with the American Society of Media Photographers. FA, SP

PGY2470 Advanced Photo Workshop, 1.0 - 4.0 sem hrs

Topics for this course are selected from a range of advanced applied and technical areas and are designed to develop a specific set of professional skills. Student work will represent an independent and professionally challenging contribution to the discipline. Course may be offered as a Field Studies travel class. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: PGY2806 AND PGY1201
Lab Fees: $85.00

PGY2650 Editorial Photography, 4.0 sem hrs

Intensive development of skills and concepts in the production of photographs for editorial and illustrative contexts. Designed to emulate professional world conditions. Course emphasizes problem solving techniques, the working process and the refinement of photographic style. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: PGY2210
Pre-Reqs: PGY2806 AND PGY1115 AND PGY1201
Lab Fees: $90.00

PGY2750 Introduction to Video Production, 4.0 sem hrs

The course enables students to create a short digital video production. Instruction covers pre-production, production, and post-production methods, strategies, and techniques, including story/script development, interviewing, videography, audio recording and editing. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Co-Reqs: PGY2226
Pre-Reqs: PGY2650 AND PGY2210

PGY2801 Digital Photography, 3.0 sem hrs

This course introduces fundamental photography skills by engaging students in art and craft of digital imaging. Emphasis is placed on camera operation, Mac computer basics, PhotoShop software, and creative principles for sound photographic practices.*This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Lab Fees: $40.00

PGY2806 Fine Arts Digital Photography, 4.0 sem hrs

This course covers digital photographic systems and aesthetics with a focus on production techniques and creative expression. Class materials fee: $85. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: PGY1201
Pre-Reqs: PGY1101 AND PGY1800
Lab Fees: $65.00

PGY2905 Directed Study In Photography, 1.0 - 7.0 sem hrs
Advanced study in any of the following areas: fine art, portrait, commercial and journalistic photography. (Prerequisite: Permission of department chair.) FA, SP, SU

PGY2935 Portfolio Workshop, 1.0 - 4.0 sem hrs
Examines professional issues relevant to current photographic practice through the presentation of theoretical and production projects. Includes a review of visual communications concepts and critical theory. Emphasis will be placed on developing the format, content and sequencing of a portfolio appropriate to a particular industry segment. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: PGY2210 AND PGY2650
Lab Fees: $85.00

PGY2949 Cooperative Education Experience in Photography, 1.0 - 4.0 sem hrs
The course requires the student to research and make arrangements for a 15-25 hour cooperative work experience in the field of professional photography. (Prerequisite: Permission of department chair.) FA, SP, SU

PHI - Philosophy

PHI2001 Introduction of Philosophy I, 3.0 sem hrs
This course presents an introduction to an overview of the major areas of philosophy. It introduces the student to the methods of philosophy, some of the major questions addressed by philosophy and to a selection of the philosophies and philosophers found throughout the world from the ancient ages to the present. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ENC1101

PHI2100 Philosophy of Reasoning, Argument and Critical Thinking, 3.0 sem hrs
This course is designed to introduce students to the theoretical knowledge and practical skills involved in becoming a critical thinker based on the theories and systematic methods developed within the discipline of philosophy. This course also includes a discussion of critical thinking with regard to values and ethics. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101

PHI2600 Introduction to Ethics, 3.0 sem hrs
An introduction to the key concepts and principles of ethics as a basis for the study of values, ethical decisions, right actions and justice. It covers the philosophical roots, as well as modern applications of ethics based upon the ideas and influence of many diverse philosophers, both classical and modern, Eastern and Western, female and male. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the*

Associate of Arts (A.A.) degree. FA, SP

Pre-Reqs: ENC1101

PHT - Physical Therapist

PHT1006 Introduction to Physical Therapy, 3.0 sem hrs
Introduces the student to the history and philosophy of physical therapy; the national organization; legal and ethical responsibilities as a PTA also includes SOAP Note writing. Emphasis will be placed on the team building concept. FA, SP, SU

PHT1128 Kinesiology of PTA, 4.0 sem hrs
This course covers the relationships between the systems that relate to the functional movement of the human body. This course will also cover all functional body movements such as mechanisms, planes and other relationships to body movement. SP

Pre-Reqs: BSC1085C

PHT1251 Patient Care Skills, 2.0 sem hrs
This course begins the implementation of treatment techniques in patient positioning, passive exercises, vital signs, massage, transfers, functional mobility, gait training with assistive devices and infection control. SP

Conc-Reqs: PHT1251L

PHT1251L Patient Care Skills Lab, 2.0 sem hrs
This laboratory course begins the implementation of treatment techniques in patient positioning, passive exercises, vital signs, massage, transfers, functional mobility, gait training with assistive devices, lifting precautions and infection control. SP

Conc-Reqs: PHT1251

PHT1300 Pathology for PTA, 4.0 sem hrs
This course will cover all body systems with an emphasis on the orthopedics, neuromuscular, and cardiopulmonary diseases commonly treated in the physical therapy department. This course will emphasize the recognition of acute physiological changes in the patient and how to report to these situations to the physical therapist. FA

Pre-Reqs: BSC1086L AND BSC1086 AND PHT2129 AND PHT1128

PHT2129 Neuroscience for PTA, 2.0 sem hrs
This course is a continuation of PHT 1128 - Kinesiology for PTA I - emphasizing the neuromuscular system and how it relates to functional movement of the human body. Other systems - cardiopulmonary, integumentary - will be addressed for their impact on functional movement of the human body. SU

Pre-Reqs: PHT1128

PHT2140 Rehabilitation Skills for PTA, 3.0 sem hrs
This course provides instruction in common neurological problems treated by the PTA. Emphasis will be placed on the client with closed head injury, degenerative neurological diagnoses and pediatric disorders to include their orthotic and wheelchair needs. The effects of aging will be discussed as related to

physical therapy treatments. Clinical decision making skills will be included. SP

Pre-Reqs: PHT1300
Conc-Reqs: PHT2140L

PHT2140L Rehabilitation Skills Lab, 1.0 sem hrs

This course provides clinical lab skills for treating common neurological problems. Emphasis will be placed on skills and treatments to be used with clients with closed head injury, degenerative neurological diagnoses and pediatric disorders to include their orthotic and wheelchair needs. Clinical decision making skills will be included. SP

Pre-Reqs: PHT1300
Conc-Reqs: PHT2140

PHT2211 Modalities I, 2.0 sem hrs

This course includes the indications and contraindications for therapeutic modalities of superficial heat and cold, hydrotherapy, ultrasound; wound care and postural drainage as seen in the physical therapy department. SU

Pre-Reqs: PHT1251 AND PHT1006
Conc-Reqs: PHT2211L

PHT2211L Modalities I Lab, 1.0 sem hrs

Laboratory application of therapeutic modalities for superficial heat and cold, hydrotherapy, ultrasound; wound care and postural drainage as seen in the physical therapy department. SU

Pre-Reqs: PHT1251 AND PHT1006
Conc-Reqs: PHT2211
Lab Fees: $9.00

PHT2214 Modalities II, 1.0 sem hrs

This course includes the indications, precautions and contraindications in the use of electrical stimulation equipment for a variety of neurological and musculoskeletal conditions. In addition, electromagnetic energies - LASER, ultraviolet, infrared and diathermy - will be discussed. FA

Co-Reqs: PHT2214L
Pre-Reqs: PHT2211 AND PHT2211L

PHT2214L Modalities II Lab, 1.0 sem hrs

This laboratory course teaches the application of electrical stimulation equipment used for a variety of neurological and musculoskeletal impairments. FA

Co-Reqs: PHT2214
Lab Fees: $42.00

PHT2220 Therapeutic Exercise I, 3.0 sem hrs

This course provides instruction for therapeutic exercise techniques with the rationale for treating musculoskeletal and neurological impairments to include goniometric measurements as seen in the PT Department. SP

Pre-Reqs: PHT1006 AND PHT1251
Conc-Reqs: PHT2220L

PHT2220L Therapeutic Exercise I Lab, 2.0 sem hrs

Laboratory application of therapeutic exercise techniques with the rationale for treating musculoskeletal and neurological impairments to include goniometric measurements as seen in the PT Department. SP

Pre-Reqs: PHT1006 AND PHT1251
Conc-Reqs: PHT2220
Lab Fees: $6.00

PHT2221 Therapeutic Exercise II, 4.0 sem hrs

This course will include the therapeutic exercises for orthopedic problems, balance and coordination problems, cardiovascular clients to include the indications, precautions and contraindication; along with application of Manual Muscle Testing. SU

Pre-Reqs: PHT2220 AND PHT2220L
Conc-Reqs: PHT2221L

PHT2221L Therapeutic Exercise II Lab, 2.0 sem hrs

This lab course will include the application of therapeutic exercises for orthopedic problems, balance and coordination problems, cardiovascular clients to include the indications, precautions and contraindication; along with application of Manual Muscle Testing. SU

Pre-Reqs: PHT2220L AND PHT2220
Conc-Reqs: PHT2221

PHT2235 Therapeutic Exercise III, 4.0 sem hrs

This course will include the application of therapeutic exercises for clients with vascular problems, amputations, and stroke along with gait training and analysis for these clients. FA

Pre-Reqs: PHT2221
Conc-Reqs: PHT2235L

PHT2235L Therapeutic Exercise III Lab, 2.0 sem hrs

This course will include the application of therapeutic exercises for clients with vascular problems, amputations, and stroke along with gait training and analysis for these clients. FA

Pre-Reqs: PHT2221L
Conc-Reqs: PHT2235
Lab Fees: $9.00

PHT2804 PTA Clinical Practicum I, 3.0 sem hrs

This level I clinical experience provides supervised planned learning opportunities for students to apply basic physical therapy principles and techniques under the direction of physical therapists or physical therapists assistants. FA

Pre-Reqs: PHT2211L
Lab Fees: $12.00

PHT2810 PTA Clinical Practicum II, 2.0 sem hrs

This course integrates the practical application of those theories, concepts and manual skills introduced into the classroom and laboratory into a practice setting under the supervision of a physical therapist or physical therapist assistant. SP

Pre-Reqs: PHT2804
Lab Fees: $2.00

PHT2820 PTA Clinical Practicum III, 3.0 sem hrs

Course is a supervised learning experience in a selected physical therapy setting in which the previously learned didactic information is integrated under the supervision of physical therapist or physical therapist assistant. SP

Lab Fees: $2.00

PHT2931 PTA Seminar, 3.0 sem hrs

The purpose of this course is to acquaint the physical therapist assistant student with the professional, legal and ethical considerations which are inherent to performance on the job. Membership in professional organizations, licensure, code of ethics and standards of professional practice will be discussed. Other areas such as community involvement, basic pharmacology, ADA legislation and documentation will be addressed. SP

Lab Fees: $72.00

PHY - Physics

PHY1020 Energy and its Environmental Effects, 3.0 sem hrs

This course is a survey course designed to introduce basic physics concepts and applications, with emphasis placed on energy and the environment. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: MAC1105

PHY1053 General Physics I, 3.0 sem hrs

First half of PHY1053/1054. Course covers vectors, systems of measurement, laws of motion, energy, heat, mechanical and thermal properties of matter. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: ENC1101
Pre-Reqs: MTB1348 OR MAC1114
Conc-Reqs: PHY1053L

PHY1053L General Physics I Lab, 1.0 sem hrs

Mandatory three hour laboratory portion of PHY1053. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: ENC1101
Conc-Reqs: PHY1053
Lab Fees: $15.00

PHY1054 General Physics II, 3.0 sem hrs

Continuation of PHY1053. Course covers sound, wave motion, electrostatics, magnetism and physical and geometrical optics. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: PHY1053 OR PHY1053C

Conc-Reqs: PHY1054L

PHY1054L General Physics II Lab, 1.0 sem hrs

Mandatory three hour laboratory portion of PHY1054. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP, SU

Pre-Reqs: PHY1053C OR PHY1053
Conc-Reqs: PHY1054
Lab Fees: $20.00

PHY2048 Physics with Calculus I, 4.0 sem hrs

First half of PHY2048/2049 sequence. Course covers kinematics of motion in one, two and three dimensions, vectors, dynamics, Newtons laws of motion, gravitation, work, power and energy; and systems of particles, wave motion and sound, heat and thermodynamics. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101 AND MAC2311 AND MAC2311L
Conc-Reqs: PHY2048L

PHY2048L Physics with Calculus I Lab, 1.0 sem hrs

Mandatory three hour laboratory portion of PHY 2048. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Conc-Reqs: PHY2048
Lab Fees: $15.00

PHY2049 Physics with Calculus II, 4.0 sem hrs

Continuation of PHY2048. Course covers electrostatics, current electricity, DC circuits, AC circuit s and resonance, magnetism, electromagnetic radiation, geometric optics and physical optics. Introduction to special relativity and quantum effects. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: MAC2312 AND MAC2312L
Pre-Reqs: PHY2048 OR PHY2048C
Conc-Reqs: PHY2049L

PHY2049L Physics with Calculus II Lab, 1.0 sem hrs

Mandatory three hour laboratory portion of PHY 2049. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP, SU

Co-Reqs: MAC2312 AND MAC2312L
Pre-Reqs: PHY2048
Conc-Reqs: PHY2049
Lab Fees: $15.00

PHY2905 Directed Study in Physics, 1.0 - 4.0 sem hrs

(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

PHY2949 Cooperative Education Experience in Physics, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Physics. FA, SP, SU

PHY3101 Modern Physics, 3.0 sem hrs

An introductory modern physics course designed primarily for students majoring in the sciences, engineering or mathematics. Topics include the special theory of relativity, wave properties of matter, the Schrodinger wave equation, atomic structure, molecular bonding, the electrical and magnetic properties of solids, semiconductors, the atomic nucleus and nuclear interactions. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Co-Reqs: MAC2313 AND MAC2313L
Pre-Reqs: PHY2049

PHY3221 Classical Mechanics, 3.0 sem hrs

Topics covered include one-dimensional motion, three-dimensional motion, Newton's laws of motion, energy and momentum conservation, circular and rotational motion, statics, planetary motion, oscillations, and wave motion. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: PHY2049 AND PHY2049L AND PHY3101

PHY3513 Thermal Physics (Thermodynamics and Elementary Statistical Mechanics), 3.0 sem hrs

The objective of this course is to develop a working knowledge of the laws and methods of thermodynamics and elementary statistical mechanics and to use this knowledge to explore various applications. Many of these applications will relate to topics in materials science and the physics of condensed matter. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA

Pre-Reqs: PHY2049 AND PHY2049L AND MAC2312L AND MAC2312

PHY4424 Geometrical and Physical Optics, 3.0 sem hrs

This course is intended to increase a student's knowledge of physics via further development of geometrical optics, and then by the introduction of new topics. These new topics will include aberration theory, optical instrumentation, wave optics, interference of light, interferometry, optical coherence, the interaction of light and matter, holography, and nonlinear optics. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** SP

Pre-Reqs: PHY2049 AND PHY2049L AND MAC2312L AND MAC2312

PLA - Paralegal (Legal Assisting)

PLA1003 Introduction to Paralegal, 3.0 sem hrs

Provides general overview of laws affecting legal practice and working knowledge of theory and concepts to enable students to perform supporting legal tasks for an attorney. FA, SP

PLA1103 Legal Writing and Research I, 3.0 sem hrs

Study of legal researching methods, writing techniques, and use of the law library in preparing memoranda, legal argument, format, and legal citations. FA, SP

Co-Reqs: BUL2241 AND ENC1101

PLA1610 Real Estate Law and Property, 3.0 sem hrs

A study of real estate transactions and conveyances such as deeds, contracts, leases, easements and closing documents and the drafting of these conveyances. FA

PLA1800 Law of Domestic Relations, 3.0 sem hrs
A study of the fundamental principles and laws involving marriage, dissolution, separation agreements, custody, adoption, support provisions and property disposition. SP

PLA2114 Legal Writing and Research II, 3.0 sem hrs
A study of the various legal writing techniques used to present the results of legal research. Emphasis on legal argument and development of legal instruments and documents. FA, SP

Pre-Reqs: PLA1103 AND ENC1101

PLA2200 Introduction to Litigation, Torts and Evidence, 3.0 sem hrs
A study of the court system and the litigation process, including preliminary interviews with clients, investigation and marshalling of facts, drafting of all pleadings and motion practice. FA

Pre-Reqs: BUL2241 AND ENC1101

PLA2303 Criminal Law and the Paralegal, 3.0 sem hrs
A study of the origin, structure and definition of criminal law, including criminal prosecution, investigation, pre-trial and trial procedures, and the criminal court system. FA

PLA2460 Bankruptcy Law, 3.0 sem hrs
The purpose of this course is to introduce students to the historical, political, economic and legal principles of bankruptcy law. FA

PLA2600 Probate Administration, 3.0 sem hrs
A study of wills, trusts and estate administration. Includes analysis of the substantive law, drafting of related documents and researching of the legal issues. SP

Pre-Reqs: BUL2241 AND PLA1003

PLA2763 Law Office and Management, 3.0 sem hrs
This course is designed to familiarize the student with the practical inner workings of a law office, including its equipment, office procedures and management. SP

PLA2880 Constitutional Law, 3.0 sem hrs
The course is developed both topically and historically to approach the judicial review process, the doctrine of implied powers, the three branches of power, substantive due process along with equal protection, civil rights, free speech and religion. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

PLA2905 Directed Study in Legal Assisting, 1.0 - 4.0 sem hrs

Directed Study in Legal Assisting FA, SP, SU

PLA2949 Cooperative Education Experience in Legal Assisting, 1.0 - 4.0 sem hrs

Cooperative Education Training Assignment in Legal Assisting (Prerequisite: 12 semester hours of approved Paralegal Studies courses and permission of Chairperson.) FA, SP, SU

PMT - Precision Metals (Manufacturing and Welding Technology)

PMT0106 Introduction to Welding I, 1.0 voc hrs

This course introduces basic procedures for welding & cutting safely. Students learn to read and understand blueprints, hands-on oxyacetylene & plasma arc cutting, and SMAW (stick) welding in various applications & positions. FA,SP

Conc-Reqs: PMT0106L

PMT0106L Introduction to Welding I Lab, 2.0 voc hrs

This course introduces basic procedures for welding & cutting safely. Students learn to read and understand blueprints, hands-on oxyacetylene & plasma arc cutting, and SMAW (stick) welding in various applications & positions. FA,SP

Conc-Reqs: PMT0106
Lab Fees: $125.00

PMT0109 Introduction to Welding II, 1.0 voc hrs

This course continues with advanced procedures for welding & cutting safely. Students learn fabrication from blueprints, advanced hands-on oxyacetylene & plasma arc cutting, and SMAW (stick) welding in various applications & positions. FA,SP

Pre-Reqs: PMT0106
Conc-Reqs: PMT0109L

PMT0109L Introduction to Welding II Lab, 2.0 voc hrs

This course continues with advanced procedures for welding & cutting safely. Students learn fabrication from blueprints, advanced hands-on oxyacetylene & plasma arc cutting, and SMAW (stick) welding in various applications & positions. FA,SP

Conc-Reqs: PMT0109
Lab Fees: $125.00

PMT0121 Welding III (Shield Metal Arc), 1.0 voc hrs

This course advances students in the skills of welding and cutting. Students are introduced to different techniques of SMAW (stick) welding, as well as advanced blueprints. FA,SP

Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102
Conc-Reqs: PMT0121L

PMT0121L Welding III (Shield Metal Arc) Lab, 2.0 voc hrs

This course advances students in the skills of welding and cutting. Students are introduced to different techniques of SMAW (stick) welding, as well as advanced blueprints. FA,SP

Pre-Reqs: PMT0106L AND PMT0109L
Conc-Reqs: PMT0121
Lab Fees: $125.00

PMT0131 Welding VII (Gas Tungsten Arc), 1.0 voc hrs
This course introduces basic Gas Tungsten Arc (TIG) welding. Students practice basic TIG welding skills starting with plate, and combining basic TIG with SMAW welds. FA,SP

Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102
Conc-Reqs: PMT0131L

PMT0131L Welding VII (Gas Tungston Arc) Lab, 2.0 voc hrs
This course introduces basic Gas Tungsten Arc (TIG) welding. Students practice basic TIG welding skills starting with plate, and combining basic TIG with SMAW welds. FA,SP

Pre-Reqs: PMT0106L AND PMT0109L
Conc-Reqs: PMT0131
Lab Fees: $125.00

PMT0134 Welding V (Gas Metal Arc), 1.0 voc hrs
This course enables students to actively hone their welding skills in Stick and MIG processes. Introduction of blueprints for Structural Steel and the use of various weld machines. FA,SP

Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102
Conc-Reqs: PMT0134L

PMT0134L Welding V (Gas Metal Arc) Lab, 2.0 voc hrs
This course enables students to actively hone their welding skills in Stick and MIG processes. Introduction of blueprints for Structural Steel and the use of various weld machines. FA,SP

Pre-Reqs: PMT0106L AND PMT0109L
Conc-Reqs: PMT0134
Lab Fees: $125.00

PMT0154 Welding IV (Plasma Cut Welding and Introduction to MIG), 1.0 voc hrs
This course continues to instruct students in the skills of welding and cutting. Students continue to learn specialty cuts as well as introduced to GMAW (MIG) welding. FA,SP

Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102
Conc-Reqs: PMT0154L

PMT0154L Welding IV (Plasma Cut Welding and Introduction to MIG) Lab, 2.0 voc hrs
This course continues to instruct students in the skills of welding and cutting. Students continue to learn specialty cuts as well as introduced to GMAW (MIG) welding. FA,SP

Pre-Reqs: PMT0106L AND PMT0109L
Conc-Reqs: PMT0154
Lab Fees: $125.00

PMT0161 Welding VI (Introduction to Pipe Welding), 1.0 voc hrs
This course enables students to continue to polish their welding skills in Stick and MIG processes. Students now focus on welding pipe in various positions in order to pursue weld certifications. FA,SP

Pre-Reqs: PMT0106 AND PMT0109 OR PMT0102 AND PMT0101
Conc-Reqs: PMT0161L

PMT0161L Welding VI (Introduction to Pipe Welding) Lab, 2.0 voc hrs
This course enables students to continue to polish their welding skills in Stick and MIG processes. Students now focus on welding pipe in various positions in order to pursue weld certifications. FA,SP

Pre-Reqs: PMT0106L AND PMT0109L
Conc-Reqs: PMT0161
Lab Fees: $125.00

PMT0171 Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding), 1.0 voc hrs
This course requires focus on testing criteria for various welding applications. Students practice advanced TIG welding skills, advancing to pipe to pursue weld test certifications. FA,SP,SU

Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102
Conc-Reqs: PMT0171L

PMT0171L Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) Lab, 2.17 voc hrs
This course requires focus on testing criteria for various welding applications. Students practice advanced TIG welding skills, advancing to pipe to pursue weld test certifications. FA,SP,SU

Pre-Reqs: PMT0106L AND PMT0109L
Conc-Reqs: PMT0171
Lab Fees: $125.00

PMT0211 Precision Machining I, 1.0 voc hrs
An introductory course in basic machining, use of measuring tools, shop math and print reading. Manual machining operations are covered in milling and turning. FA< SP

Conc-Reqs: PMT0211L

PMT0211L Precision Machining I Lab, 2.0 voc hrs
Lab component for; Basic machining, use of measuring tools, shop math and print reading. Manual machining operations are covered in milling and turning. FA,SP

Conc-Reqs: PMT0211
Lab Fees: $60.00

PMT0215 Precision Machining II, 1.0 voc hrs
A continuation course in basic machining, use of measuring tools, shop math and print reading. Manual machining operations are covered in milling and turning. FA,SP

Conc-Reqs: PMT0215L

PMT0215L Precision Machining II Lab, 2.0 voc hrs
Lab component for; Continuation in basic machining, use of measuring tools, shop math and print reading. Manual machining operations are covered in milling and turning. FA,SP

Conc-Reqs: PMT0215
Lab Fees: $60.00

PMT0251 CNC Operations I, 1.0 voc hrs

An introductory course in computer numerical programming (CNC). Linear coordinate systems and polar coordinate systems will be the main focus of study. Machine part programming and toolpaths are covered extensively. FA,SP

Conc-Reqs: PMT0251L

PMT0251L CNC Operations I Lab, 2.0 voc hrs

Lab component for; Introductory course in computer numerical programming (CNC). Linear coordinate systems, and polar coordinate systems will be the main focus of study. Machine part programming and toolpaths are covered extensively. FA,SP

Conc-Reqs: PMT0251
Lab Fees: $60.00

PMT0255 CNC Operations II, 1.0 voc hrs

Set up and operation of CNC machine tools. Lathe turning programming, CAD/CAM programming and off-line programming are topics covered in this course. FA,SP

Conc-Reqs: PMT0255L

PMT0255L CNC Operations II Lab, 2.0 voc hrs

Lab component for; Set up and operation of CNC machine tools. Lathe turning programming, CAD/CAM programming and off-line programming are topics covered in this course. FA,SP

Conc-Reqs: PMT0255
Lab Fees: $60.00

PMT0260 CAD/CAM Programming I, 1.0 voc hrs

An introductory course in computer aided machining (CAM). CAM utilizes computer software to design, draw and develop machine tool paths created by a computer. The course is structured around the software program MasterCam. FA,SP

Conc-Reqs: PMT0260L

PMT0260L CAD/CAM Programming I Lab, 2.0 voc hrs

Lab component for; Introductory course in computer aided machining (CAM). CAM utilizes computer software to design, draw and develop machine tool paths created by a computer. The course is structured around the software program MasterCam. FA,SP

Conc-Reqs: PMT0260
Lab Fees: $60.00

PMT0265 CAD/CAM Programming II, 1.0 voc hrs

Advanced training on CAD/CAM operations using Mastercam software. Creating machine tool paths from original drawings and transferred files. Complex shapes such as 2-D and 3-D geometry are also used in training. FA,SP

Conc-Reqs: PMT0265L

PMT0265L CAD/CAM Programming II Lab, 2.0 voc hrs

Lab component for; Advanced training on CAD/CAM operations using Mastercam software. Creating machine tool paths from original drawings and transferred files. Complex shapes such as 2-D and 3-D geometry are also used in training. FA,SP

Conc-Reqs: PMT0265
Lab Fees: $60.00

PMT0290 Cooperative Education Experience in Machining, 1.0 voc hrs

This is an on-the-job training course that most students will enroll in towards the end of their training. This is a course that the student will apply their training in a working environment.Students will be expected to treat this as a real job. Evaluations and site visits will be expected. FA,SP

PMT0440 Basic Machining, 1.0 voc hrs

This class is an introductory course in basic machine shop operations and welding processes. More advanced level courses are found with the college manufacturing and Welding programs. FA,SP

Conc-Reqs: PMT0440L

PMT0440L Basic Machining Lab, 2.0 voc hrs

This class is an introductory course in basic machine shop operations and welding processes. More advanced level courses are found with the college manufacturing and Welding programs. FA,SP

Conc-Reqs: PMT0440
Lab Fees: $60.00

PMT0441 Engine Block Machining, 1.0 voc hrs

This course covers the machining operations used to repair or upgrade engines. Machining operations will include milling, decking, cylinder boring, honing, and sleeving. Students will perform these operations on training components and working engines. FA,SP

Conc-Reqs: PMT0441L

PMT0441L Engine Block Machining Lab, 2.0 voc hrs

This course covers the machining operations used to repair or upgrade engines. Machining operations will include milling, decking, cylinder boring, honing, and sleeving. Students will perform these operations on training components and working engines. FA,SP

Conc-Reqs: PMT0441
Lab Fees: $50.00

PMT0442 Cylinder Heads, 1.0 voc hrs

This is a very specialized course in cylinder heads and valve train. Emphasis on high performance output of cylinder heads construction. Hands on training with up to date cylinder heads and equipment. FA,SP

Conc-Reqs: PMT0442L

PMT0442L Cylinder Heads Lab, 2.0 voc hrs

This is a very specialized course in cylinder heads and valve train. Emphasis on high performance output of cylinder heads construction. Hands on training with up to date cylinder heads and equipment. FA,SP

Conc-Reqs: PMT0442

Lab Fees: $60.00

PMT0905 Directed Study in Applied Welding, 1.0 - 4.0 voc hrs
DIS in Applied Welding FA, SP

POR - Foreign Language (Portuguese)

POR1120 Elementary Portuguese I Concentrated, 4.0 sem hrs
Introductory-level course to Portuguese, and Brazilian and Portuguese culture for students who have no or limited knowledge of Portuguese. Instruction is based on the fundamentals of grammar principles and on the communicative approach with activities designed to develop reading, listening, writing and speaking skills. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA .

POR1121 Elementary Portuguese II Concentrated, 4.0 sem hrs
A continuation of POR 1120. Beginning-level course to Portuguese, and Brazilian and Portuguese culture for students who have completed POR 1120 or have a basic knowledge of Portuguese. Instruction is designed to continue the study of the fundamentals of grammar principles with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: POR1120

POR2220 Intermediate Portuguese I, 4.0 sem hrs
A continuation of POR 1121. An intermediate-level course designed to enhance the student's knowledge of Portuguese, and Brazilian and Portuguese culture by continuing the study of grammar principles and by enhancing communicative competency through interactive activities. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: POR2221

POR2221 Intermediate Portuguese II, 4.0 sem hrs
A continuation of POR 2220. This course completes the second-year sequence of the intermediate-level course in Portuguese, and Brazilian and Portuguese culture. Instruction is designed to strengthen communicative and written skills with emphasis on oral as well as written expression while introducing aspects of the history and literature of Brazil and Portugal. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

POR2905 Directed Study in Portuguese, 1.0 - 4.0 sem hrs
Directed Study in Portuguese (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

POS - Political Science

POS2001 Introduction to Political Science, 3.0 sem hrs
A study of current political and economic issues in the United States, including international cases affecting American society. FA, SP, SU

Co-Reqs: ENC1101

POS2041 American Federal Government, 3.0 sem hrs

Constitutional rights of the individual; structure and functions of our legislative, executive and judicial branches; role of the citizen in political parties and the electoral process. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

POS2112 State and Local Government, 3.0 sem hrs

Introduction to the principles and institutions of state and local government with emphasis on Florida. Explores the structures and functions of state governments, including federal-state and state-local relations. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

POS2930 Russian Politics and Foreign Policy, 3.0 sem hrs

This course is an examination of politics and foreign policy in Russia and selected Post-Soviet Successor States since the collapse of Soviet communism, focusing on the factors promoting and impeding the development of a stable democratic regime. Topics include the general dynamics of political and economic transformation, leadership, institution building, political culture, regionalism and federalism, electoral and party politics, national security and foreign policy state-society relations and interest groups, and Russian nationalism and neo-imperialism. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101

PPE - Psychology

PPE2001 Survey of Personality, 3.0 sem hrs

Survey of the theoretical bases of the major models of personality and psychotherapy and specific therapeutic techniques and procedures from each. (Prerequisite: Appropriate placement scores or successful completion of college prep courses; or permission of assistant chair or department chairperson.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

PRN - Nursing - Practical

PRN0004 Introduction to Nursing, 5.0 voc hrs

This fundamentals course provides basic concepts for the beginning nurse to provide safe and effective care to diverse populations across the lifespan. The concepts introduced and incorporated into client care are: basic nursing, growth and development, role of the practical nurse, nutrition, pharmacology, mental health, and introduction to medical surgical. Clinical experiences will be provided with clients across the lifespan in wellness, community and long-term care settings. FA, SP

PRN0004L Introduction to Nursing Lab, 10.25 voc hrs

Clinical experiences will focus on the role of the practical nurse, relationships with other members of the health team, and the common needs of well people. Includes critical thinking; fundamentals of nursing;

normal nutrition; vocational, personal and community relationships; introduction to medical-surgical nursing; human growth and development; geriatric nursing; pharmacology; and mental health wellness. FA, SP

Lab Fees: $155.00

PRN0042 Neuromuscular Sensory Nursing, 1.8 voc hrs

This course focuses on advanced concepts of nursing practice as they apply to clients experiencing alterations in musculoskeletal, nervous and sensory systems. SU

Co-Reqs: PRN0120 AND PRN0120L
Pre-Reqs: PRN0000 AND PRN0000L
Conc-Reqs: PRN0042L

PRN0042L Neuromuscular Sensory Nursing Lab, 4.0 voc hrs

F o u n d a t i o n course related to the role of the practical nurse, relationship with other members of the health team, and common needs of clients in various settings. Includes: rehabilitation nursing, community health concepts, and basic pharmacology. SU

Conc-Reqs: PRN0042
Lab Fees: $106.00

PRN0120 Maternal/Child Health Nursing, 1.8 voc hrs

Introduction to the role of the practical nurse providing care to the childbearing, childbearing family, newborn and pediatric client. Learning activities will emphasize nursing techniques, communication skills, and problem solving in selected situations of nursing practice. This course focuses on applying your knowledge of obstetric and pediatric pathophysiology in addition to nursing skills, to client situations in order to provide the most effective and appropriate nursing care. SU

Co-Reqs: PRN0042 AND PRN0042L
Pre-Reqs: PRN0000 AND PRN0000L
Conc-Reqs: PRN0120L

PRN0120L Maternal/Child Health Nursing Lab, 4.0 voc hrs

Introduction to the care of newborns, antepartal care of the family to be, care of the laboring woman, the post-partum family, and pediatric patients. Learning activities will emphasize nursing techniques, communication skills, and problem solving in selected situations of nursing practice. SU

Co-Reqs: PRN0042 AND PRN0042L
Conc-Reqs: PRN0120
Lab Fees: $106.00

PRN0207 Medical-Surgical Nursing I, 4.8 voc hrs

Concepts introduced in this course will emphasize nursing techniques, communication skills, problem solving, role responsibilities, and employability skills in selected areas of nursing practice. The role of the practical nurse will be emphasized in caring for clients with disorders of the following systems: (1) respiratory, (2) circulatory, (3) renal/urinary, (4) reproductive, (5) gastrointestinal, (6) endocrine, and (7) immune. FA, SP

PRN0207L Medical-Surgical Nursing I Lab, 10.38 voc hrs

Clinical experiences will focus on nursing techniques, communication skills, problem solving, role

responsibilities, and employability skills in selected areas of nursing practice. The role of the practical nurse will be emphasized in caring for clients with disorders of the following systems: (1) respiratory, (2) circulatory, (3) renal/urinary, (4) reproductive, (5) gastrointestinal, (6) endocrine, and (7) immune. FA, SP

Lab Fees: $131.00

PRN0904 Directed Study in Practical Nursing, 1.0 - 4.0 voc hrs

Directed Study in Practical Nursing FA, SP, SU

PSB - Psychology

PSB2442 Addictions I - Psychology of Addictions, 3.0 sem hrs

Students acquire a knowledge base about a variety of substances abused; understanding addiction, categories of addiction; current trends and evidence based practice in the field, including education, behavioral health, and social sciences; and addiction services available for referrals. This course can be used towards the Transdisciplinary Foundations requirement of the certification boards. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

PSC - Physical Sciences

PSC1121 Physical Science, 3.0 sem hrs

Integrated principles of physical and earth sciences, the scientific method and selected areas of fundamental physics, chemistry, astronomy and meteorology. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101 AND MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106

PSC2905 Directed Study in Physical Science, 1.0 - 4.0 sem hrs

Directed Study in Physical Science (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

PSY - Psychology

PSY1012 General Psychology, 3.0 sem hrs

A scientific study of human behavior in relation to our development, motivation, emotion, perception learning and thinking. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Co-Reqs: ENC1101

PSY2905 Directed Study in Psychology, 3.0 sem hrs

Directed Study in Psychology (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

PSY2931 Special Topics in Intimate Relationships, 3.0 sem hrs

This course provides students with an opportunity to explore, research, observe, and discuss problems, current & historical issues, and emerging trends in psychology and society as they pertain to intimate relationships. Students will be introduced to contemporary research findings in intimacy, marriage, divorce, and human sexuality. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,SP

PSY2932 Special Topics in Research Methods in Psychology, 3.0 sem hrs

This course is designed to introduce students to the basic principles and elements of research. Focus areas will include the application of the scientific method, empiricism, experimental control, validity, reliability, variance, descriptive and inferential statistics, population distributions, qualitative research techniques and applications, parametric and non-parametric statistics. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

PSY2933 Special Topics in Clinical Psychology, 3.0 sem hrs

This course conveys the research and application of psychological principles, theories and methods which deal with individual and group's coping abilities, and psychological and behavioral adjustment. It includes training and practice in diagnosis, treatment and prevention, as well as research for expansion of knowledge. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,SP

PSY2934 Special Topics in Forensic Psychology, 3.0 sem hrs

This course conveys the research and application of psychological principles, theories and methods which deal with individual and group's coping abilities, and psychological and behavioral adjustment. It includes training and practice in diagnosis, treatment and prevention, as well as research for expansion of knowledge. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

PSY2935 Special Topics in Parenting and Family Dynamics, 3.0 sem hrs

This course takes a research based in depth look at parenting issues and dynamics within the contemporary family unit. Topics covered will include parenting practices, work/life/family balance, and educational challenges for parents and children. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

PSY2936 Special Topics in Comparative Psychology, 3.0 sem hrs

This course focuses on the interaction between nature and nurture in regards to animal behavior. Issues such as mating, predatory, defensive and social behavior in animals will be examined. By the end of this course students should have a basic understanding of how brain physiology and functioning create behavior and how behavior is influenced by the interaction between biology and the environment. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

PSY2937 Special Topics in Persuasion and Prejudice, 3.0 sem hrs

Provides an opportunity to understand, analyze, and evaluate significant issues within social relationships. Students explore contemporary research in the nature of groups, prejudice, intergroup relations, social influence, and persuasion. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Pre-Reqs: PSY1012

QMB - Quantitative Methods in Business

QMB1001 Business Math, 3.0 sem hrs

Analytical treatment of practical business financial problems concerning interest, payrolls, financial statement analysis, buying and selling goods, consumer credit, etc., using calculators. FA,SP, SU

REA - Reading

REA0007 Reading I, 3.0 college prep hrs
An introduction to reading designed to help students gain proficiency in basic reading skills. Emphasis is placed on developing vocabulary and improving comprehension skills. Required of students who score 83 or below on the PERT exam used for college placement. (REA 0007/0007L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Conc-Reqs: REA0007L

REA0007L Reading I Lab, 1.0 college prep hrs
Lab component for REA 0007. An introduction to reading designed to help students gain proficiency in basic reading skills. Emphasis is placed on developing vocabulary and improving comprehension skills. Required of students who score 83 or below on the PERT exam used for college placement. (REA 0007/0007L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Conc-Reqs: REA0007

REA0017 Reading II, 3.0 college prep hrs
An introduction to reading designed to help students gain proficiency in basic reading skills. Emphasis is placed on advancing vocabulary and comprehension skills in content reading. Required of students who score 84 - 103 on the PERT exam used for college placement. (REA 0017/0017L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Co-Reqs: SLS1122
Pre-Reqs: REA0007
Conc-Reqs: REA0017L

REA0017L Reading II Lab, 1.0 college prep hrs
Lab component for REA 0017. An introduction to reading designed to help students gain proficiency in basic reading skills. Emphasis is placed on advancing vocabulary and comprehension skills in content reading. Required of students who score 84 - 103 on the PERT exam used for college placement. (REA 0017/0017L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Co-Reqs: SLS1122
Conc-Reqs: REA0017

RED - Language Arts and English Education

RED3012 Principles of Reading, 3.0 sem hrs
The purpose of this course is to introduce reading principles, procedures and organization, current practices, analysis of reading materials, correlation with child development and investigation of research to the pre-service teacher. This course includes field experience in the public schools. This course is a 7

week class and may be offered during the FA or SP term.

RED3309 Early and Emergent Reading K-2, 3.0 sem hrs
The purpose of this course is to increase the understanding of early literacy development and the conditions which promote total literacy from birth through lower elementary grades. The course requires field experience in the public schools. This course is a 7 week class offered during the FA and SP terms.

RED4511 Intermediate Literacy, Reading and Thinking, 3.0 sem hrs
The purpose of this course is to discuss procedures as well as material selection to effectively implement reading in intermediate grade classrooms. This class requires field experience in all intermediate grade settings. This course is a 7 week class offered during the FA and SP terms.

Pre-Reqs: RED3309

RED4519 Diagnosis, Intervention in Reading, 3.0 sem hrs
The purpose of this course is to introduce formal and informal methods and materials used to identify reading strengths and weaknesses of students. Emphasis is placed on diagnosis of reading problems, administration of assessments, evaluation of results and planning instructional interventions to remediate reading difficulties. This course requires field experience in the public schools. This course is a full term 15 week class offered during the FA and SP terms.

Pre-Reqs: RED3309 OR RED3012

RED4844 Reading Practicum, 2.0 sem hrs
The purpose of this course is to provide a supervised practicum on the application of reading instruction. Pre-service teachers work in a school site with students who are experiencing reading problems, including Exceptional Student Education students and English Language Learners. Pre-service teachers review current reading research literature and select, plan, and use appropriate reading assessments, materials, and strategies to identify needs and provide remedial reading instruction in a K-12 classroom. This course requires departmental consent prior to enrolling and is only offered in the B term of the SP and FA terms.

Pre-Reqs: RED4519 AND TSL3080
Lab Fees: $12.00

REL - Religion

REL2300 World Religion, 3.0 sem hrs
A comparative study of religion, with emphasis on Judaism, Christianity, Hinduism, Buddhism, Taoism, Confucianism, Shinto and Islam. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: ENC1101

RET - Respiratory Care

RET1024 Introduction to Respiratory Care, 1.0 sem hrs
An introduction to the scientific basis for respiratory care. Lecture and laboratory experiences.

(Prerequisite: Admission to the Respiratory Care program.) FA

Conc-Reqs: RET1024L
Lab Fees: $5.00

RET1024L Introduction to Respiratory Care Lab, 1.0 sem hrs

An introduction to the scientific basis for respiratory care. Lecture and laboratory experiences.
(Prerequisite: Admission to the Respiratory Care program.) FA

Conc-Reqs: RET1024

RET1026 Fundamentals of Respiratory Care I, 3.0 sem hrs

Fundamentals of basic respiratory care techniques and equipment, including respiratory pharmacology.
Introductory chest physiotherapy along with medical gas, humidity and aerosol and hyperinflation
therapy. Lecture and laboratory. FA

Co-Reqs: RET1024 AND RET1024L
Conc-Reqs: RET1026L

RET1026L Fundamentals of Respiratory Care I Lab, 1.0 sem hrs

Fundamentals of basic respiratory care techniques and equipment, including medical gas therapy,
humidity and aerosol therapy, respiratory pharmacology and lung hyperinflation therapy and bronchial
hygiene airway adjuncts. Lecture and laboratory. FA

Conc-Reqs: RET1026

RET1264 Fundamentals of Respiratory Care II, 3.0 sem hrs

A continuation of basic respiratory care techniques and equipment. Topics emphasized include a
continuation of lung hyperinflation and bronchial hygiene therapies, radiography including CXR, CT
and MRI, and basic and advanced airway management. SP

Pre-Reqs: RET1026C OR RET1026
Conc-Reqs: RET1264L

RET1264L Fundamentals of Respiratory Care II Lab, 1.0 sem hrs

A continuation of basic respiratory care techniques and equipment. Topics emphasized include a
continuation of lung hyperinflation and bronchial hygiene therapies, radiography including CXR, CT
and MRI, and basic and advanced airway management. SP

Conc-Reqs: RET1264
Lab Fees: $5.00

RET1265 Mechanical Ventilation, 4.0 sem hrs

This course involves an in-depth examination and application of mechanical ventilation principles and
equipment. Current practice as well as innovations in the use of pressure and volume ventilation, clinical
practice guidelines, patient-driven protocols and management of the patient ventilator system are also
discussed. SP

Co-Reqs: RET1264
Pre-Reqs: RET1026C OR RET1026

RET1293 Cardiopulmonary Medicine, 3.0 sem hrs

A study of the pathophisology, clinical manifestations, assessment and treatment of cardiopulmonary diseases, commonly encountered in patients needing respiratory care. SP

Pre-Reqs: BSC1085 OR RET1485 AND BSC1085C

RET1414 Cardiopulmonary Diagnostics, 3.0 sem hrs

A study of diagnostic techniques and instrumentation, including pulmonary function testing, the electrocardiogram, and treatment of cardiac anomalies and ACLS pharmacology. SU

Co-Reqs: RET1833
Pre-Reqs: RET1264
Lab Fees: $5.00

RET1485 Cardiopulmonary Anatomy and Physiology, 3.0 sem hrs

A detailed study of the structure and function of the heart and lungs, including respiratory related abnormal physiological processes and acid-base status. (Prerequisite: Admission to the Respiratory Care program.) FA

RET1534 Special Topics in Respiratory Care I, 3.0 sem hrs

This course includes sleep medicine, Pulmonary Rehabilitation, exercise physiology, nutrition, patient and family education, and Respiratory Care in the home. SU

Pre-Reqs: RET1293

RET1832 Clinical Respiratory Care I, 4.0 sem hrs

Clinical application of respiratory care procedures, including medical gas, humidity and aerosol and hyperinflation therapies and bronchial hygiene thearpies. Arterial blood gas (ABG) drawing, analysis, ABG analyzers, and QA are covered in this section of clinical. SP

Co-Reqs: RET1264
Lab Fees: $93.00

RET1833 Clinical Respiratory Care II, 2.0 sem hrs

Continuation of Clinical Respiratory Care. New areas of emphasis include blood gas analyzers, pulmonary function testing and other diagnostic and monitoring instrumentation and techniques. Ventilatory support and other adjunctive procedures also are included. Clinical. SU

Pre-Reqs: RET1264 AND RET1832

RET2280 Critical Medicine in Respiratory Care, 3.0 sem hrs

This course is a continuation of RET 1264 Fundamentals of Respiratory Care II. Topics including bronchoscopy, chest tube maintenance, vacuum systems, enteral feeding and nasogastric tube placement assessment are discussed. Sleep Medicine and testing, cardiopulmonary stress testing, metabolic assessment, advanced electrocardiography and holter monitoring are also covered. Cardiac Life Support (BCLS), Advanced Cardiac Life Support (ACLS), Pediatric Advanced Life Support (PALS), and the Neonatal Resuscitation Program (NRP) is also conducted. The mandatory four hours (4) of HIV/AIDS information and two (2) hours of Prevention of Medical Errors required for graduation and the Certified Respiratory Therapist (CRT) exam will also be covered in this course. FA

Pre-Reqs: RET1264 AND RET1264L

RET2350 Cardiopulmonary Pharmacology, 1.0 sem hrs
The course analyzes the history of pharmacology, regulatory agencies and regulations concerning the use of drugs. It will include drug action, absorption, and distribution in the human body with emphasis on respiratory, cardiac, and related drugs that a student is exposed to in clinical settings. (Prerequisite: Admission to the Respiratory Care Program.) FA

RET2483 Patient Assessment and Interaction, 1.0 sem hrs
An introduction to comprehensive patient assessment including medical ethics, HIPPA, prevention of medical errors and hands-on assessment making use if the Human Patient Simulator Lab. Lecture and laboratory experiences. (Prerequisite: Admission to the Respiratory Care program.) FA

Conc-Reqs: RET2483L

RET2483L Patient Assessment and Interaction Lab, 1.0 sem hrs
An introduction to comprehensive patient assessment making use of the Human Patient Simulator Lab. Lecture and laboratory experiences. (Prerequisite: Admission to the Respiratory Care program.) FA

Conc-Reqs: RET2483
Lab Fees: $16.00

RET2714 Neonatal and Pediatric Respiratory Care, 3.0 sem hrs
This course discusses Hemodynamic Monitoring including indications, equipment utilized, monitoring, evaluation and recommendations. The second half of this course introduces the evolving field of Pediatric and Neonatal Respiratory Care to include the assessment and treatment of the newborn and pediatric patient. FA

Pre-Reqs: RET1293 AND RET1485

RET2876 Clinical Respiratory Care III, 4.0 sem hrs
Continuation of Clinical Respiratory Care II (critical respiratory care) with emphasis on neonate and pediatric areas. Rotation through specialty areas including home care agencies, cardiac catherization lab, operating room, emergency room and post-anesthesia recovery areas. Comprehensive Case Studies are presented in post conference daily and weekly on assigned patients. Special care areas are added in this rotation; Sleep lab, home care, hyperbaric medicine and individual rounds with pulmonary physicians. FA

Pre-Reqs: RET1832 AND RET1833
Lab Fees: $97.00

RET2877 Clinical Respiratory Care IV, 4.0 sem hrs
The students continue their critical care rotations, and exposure to special care areas adding ventilator rehabilation in term care, pulmonary rehabilitation, pulmonary function testing laboratories and neonatal/ pediatric areas. Students also complete case studies for oral presentation. As a final project, students will write a term-quality research paper on a pre-approved topic relevant to the practice of respiratory care. SP

Pre-Reqs: RET2876
Lab Fees: $127.00

RET2934 Respiratory Care Seminar, 3.0 sem hrs

This capstone course presents a continuation of Pediatric and Neonatal Respiratory Care with clinical simulations and future implications. Also discussed is Fluid and Electrolyte values used in the treatment of all populations. The seminar course also provides a review of all materials covered throughout the five-semester program. Computerized self-assessment entry-level and advanced practitioner examinations are administered as a conclusion to this course. Employability skills and the licensure and examination process are also covered. SP

Lab Fees: $35.00

RTE - Radiography

RTE1000 Fundamentals of Radiologic Technology, 1.0 sem hrs

Provides extensive understanding of the fundamentals of radiation positioning, technique, protection, patient care and assessment, ethics, human diversity, body mechanics, medical-legal aspects, history and role of radiographer. SP

RTE1001 Medical Terminology for Radiographers, 1.0 sem hrs

Introduction to medical abbreviations, symbols and terms. A word-building system is introduced with related terminology. Understanding of radiographic orders and diagnostic reports are discussed. SP

RTE1418 Radiographic Exposures and Processing, 2.0 sem hrs

A study of the factors that govern and influence the production of an image. Image processing, image receptor systems and accessory devices will be discussion. SP

RTE1457 Radiographic Exposures II, 2.0 sem hrs

A continuation of Radiographic Exposures and Processing, with emphasis image quality and technical factor selection. SU

Pre-Reqs: RTE1418

RTE1503 Radiographic Procedures I, 2.0 sem hrs

A study of patient positioning, equipment usage and image quality evaluation for exams involving the respiratory system, digestive/biliary system and appendicular skeleton. Emphasis on radiation protection and patient care. SP

RTE1503L Radiographic Procedures Lab I, 1.0 sem hrs

A study of patient positioning, equipment usage and image quality evaluation for exams involving the respiratory system, digestive/biliary system and appendicular skeleton. Emphasis on radiation protection and patient care. SP

Co-Reqs: RTE1503

RTE1513 Radiographic Procedures II, 2.0 sem hrs

Continuation of Radiographic Procedures I. A study of positioning, equipment usage and image quality evaluation of exams of the appendicular skeleton, organ system, shoulder girdle, and bony thorax.

Detailed study of pharmacology involving contrast agents. SU

Pre-Reqs: RTE1503L AND RTE1503

RTE1513L Radiographic Procedures Lab II, 1.0 sem hrs
Demonstration and student radiographer practice in anatomy and radiographic positioning of the organ systems, bony thorax, appendicular skeleton, vertebral column and cranium. SU

Co-Reqs: RTE1513

RTE1523 Radiographic Procedures III, 2.0 sem hrs
A continuation of Radiographic Procedures III, with emphasis on the vertebral column, cranium and special projections for each system. Study of fluoroscopic, tomographic, and electronic imaging and PACS. FA

Pre-Reqs: RTE1513L AND RTE1513

RTE1804 Radiographic Clinical Education I, 3.0 sem hrs
Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation in the respiratory, appendicular and abdominal anatomy. SP

RTE1814 Radiographic Clinical Education II, 3.0 sem hrs
Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation in the appendicular, axial skeleton and contrast studies. SU

Pre-Reqs: RTE1804

RTE1824 Radiographic Clinical Education III, 5.0 sem hrs
Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation on trauma, pediatric patients, and procedures performed outside the department in the axial and appendicular skeletons. FA

Pre-Reqs: RTE1814

RTE2385 Radiation Biology and Protection, 2.0 sem hrs
A study of the principles of cell radiation interactions and radiation protection principles. The student will develop an awareness of the potential harmful effects of radiation and safe usage of radiation for diagnosis and treatment. SP, SU

RTE2473 Quality Management in Radiography, 1.0 sem hrs
Study of the components involved in imaging systems with tests and procedures to evaluate them. State and Federal regulations/guidelines will be discussed. Basic pharmacology will be instructed during this course. SP, SU

RTE2563 Selected Radiographic Special Procedures I, 3.0 sem hrs
A study of techniques/procedures other than those used in diagnostic radiography to include anatomy of the cardiac, nervous and reproductive systems, cross-sectional anatomy, and imaging/therapeutic procedures for these systems. SP

RTE2573 Selected Radiographic Special Procedures II, 3.0 sem hrs
A continuation of RTE 2563 with emphasis on surgical imaging, computed tomography, magnetic resonance image, ultrasound, radiation therapy, nuclear medicine and interventional/catheterization procedures. FA

Pre-Reqs: RTE2563

RTE2613 Radiation Physics I, 3.0 sem hrs
The physics of diagnostic imaging including analysis and synthesis of energy and matter and their relationship. Detailed study of the atom and the components needed for the production x radiation. SP

RTE2623 Radiation Physics II, 3.0 sem hrs
A continuation of Radiation Physics with emphasis on the X-ray tube, equipment, x-ray production and interactions with matter. FA

Pre-Reqs: RTE2613

RTE2782 Radiographic Pathology, 1.0 sem hrs
This course provides knowledge of pathologic conditions seen radiographically and their effects on technique and positioning. SP, SU

RTE2834 Radiographic Clinical Education IV, 5.0 sem hrs
Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation on trauma, pediatric patients, and procedures performed outside the department in the axial and appendicular skeletons. SP

Pre-Reqs: RTE1824

RTE2844 Radiographic Clinical Education V, 6.0 sem hrs
Supervised clinical education in performance of radiographic procedures with emphasis on competency evaluation in Specialized Procedures: CT, MRI, Invasive Radiology, Surgery (Mobile), Radiation Therapy (optional), Nuclear Medicine, Cardiac Cath, Ultrasound and Interventional Procedures. FA

Pre-Reqs: RTE2834

RTE2854 Radiographic Clinical Education VI, 5.0 sem hrs
Supervised clinical education in performance of radiographic procedures with emphasis on Final Competency Evaluation.) SP, SU

Pre-Reqs: RTE2844

RTE2930 Radiographic Image Critique, 1.0 sem hrs
Course provides student with critical thinking and problem solving methods to be utilized in image evaluation to assure appropriate anatomy and/or pathology demonstrated on properly positioned images with high image quality. Students also gain knowledge in performance of repeat analysis. SP

RTV - Mass Communication (Broadcast, Radio and Television)

RTV1000 Fundamentals of Broadcast Production, 3.0 sem hrs

Introduction to television production with an emphasis on identifying industry terms, outlining production theory, and learning the production sequence. Students learn to apply terminology and techniques through a combination of online activities, hands-on training performance of specified tasks. Topics covered include studio camera operation, staging and lighting, floor directing, prompter and videotape operation. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: RTV1000L

RTV1000L Fundamentals of Broadcast Production Lab, 1.0 sem hrs

Lab component: Introduction to television production with an emphasis on identifying industry terms, outlining production theory, and learning the production sequence. Students learn to apply terminology and techniques through a combination of online activities, hands-on training performance of specified tasks. Topics covered include studio camera operation, staging and lighting, floor directing, prompter and videotape operation. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Conc-Reqs: RTV1000
Lab Fees: $6.00

RTV1201 Studio Television Production, 3.0 sem hrs

This level II course in television production will further develop television production methods and techniques. Student will refine skills in the production roles specified and participate in production projects. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: RTV1000
Conc-Reqs: RTV1201L

RTV1201L Studio Television Production Lab, 1.0 sem hrs

Lab component: This level II course in television production will further develop television production methods and techniques. Student will refine skills in the production roles specified and participate in production projects. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: RTV1000L
Conc-Reqs: RTV1201
Lab Fees: $6.00

RTV2102 Writing for Radio and Television (Broadcast Writing), 3.0 sem hrs

Students will learn presentation styles of broadcasting. The course emphasizes practical broadcast reporting skills by putting them into practice and creating programming for WCEU-Channel 15, the PBS affiliate on campus. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: JOU1100 OR RTV2300 AND MMC1000

RTV2222 Team Media Production, 3.0 sem hrs

This level III course in video production will further develop video production methods and techniques. Students will refine skills in the production roles specified and produce group projects. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: RTV1201 AND RTV1000
Conc-Reqs: RTV2222L

RTV2222L Team Media Production Lab, 1.0 sem hrs

Lab component: This level III course in video production will further develop video production methods and techniques. Students will refine skills in the production roles specified and produce group projects. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: RTV1201L AND RTV1000L
Conc-Reqs: RTV2222
Lab Fees: $6.00

RTV2300 Broadcast Research/Newswriting/Presentation Skills, 3.0 sem hrs

Basic instruction and practice in news gathering, writing and announcing for radio and TV. Students will create a video portfolio of live performances. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ENC1101

SBM - Management (Small Business)
SCE - Science Education
SLS - Student Life Skills
SOP - Psychology
SPC - Speech Communication
SPN - Foreign Language (Spanish)
SSE - Social Studies Education
STA - Statistics
STS - Surgical Technology Studies
SYG - Sociology

SBM - Management (Small Business)

SBM2000 Small Business Management, 3.0 sem hrs
A step-by-step presentation of how to manage and operate a small business. The areas covered include developing a business plan, securing financing, site location, and marketing. FA, SP

SCE - Science Education

SCE3310 Teaching Science in the Elementary School, 3.0 sem hrs
The purpose of this course is to provide the pre-service teacher with the knowledge and skills to be an effective elementary science teacher. Pre-service teachers will explore the foundational topics in Earth/Space, Life and Physical Sciences. This course requires a field experience in the public schools. This course is a full term 15 week class offered during the FA and SP terms.

Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430

SCE4360 Science Instructional Analysis, 3.0 sem hrs
The purpose of this course is to provide the pre-service science teacher with the necessary knowledge and skills to become a reflective and effective science teacher in the grades 6-12. This course requires field experience in a secondary public school. This course is a 7 week class and may be offered during the FA or SP term.

Pre-Reqs: TSL3080 AND EDG4323 AND EDF4430

SLS - Student Life Skills

SLS1122 Dynamics of Student Success, 3.0 sem hrs
Designed to increase student success through the development of academic and life skills. Topics include study techniques, test anxiety, memory techniques and personal development. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

SLS1225 Human Potential, 3.0 sem hrs
Exploration of students values, talents, and abilities which direct ones life in relationship to educational planning, career decisions, personal goals and other human relation skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

SLS1261 Dynamics of Student Leadership Development, 3.0 sem hrs

The course is designed to introduce students to the dynamics of organizational behavior, with emphasis on the relationship between self and group in the leadership process. The course functions as an interactive "leadership laboratory," in which students explore leadership in relation to individuality, group dynamics, career development and community engagement. Topics include personal and group goal-setting, self-affirmation, conflict resolution, team-building; theories and styles of leadership. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

SLS2301 Career Planning, 3.0 sem hrs

This course is designed for students who are undecided or need clarification in choosing a degree, major or career path. It includes personal assessments that relate to values, goals and skills and activities that prepare one for the entry into the world of work. Emphasis is given to effective academic and career planning and preparation. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

SLS2304 Career Exploration, 1.0 sem hrs

Structured for self-paced individualized career exploration. Includes systematic review of Career Center library materials and use of computer-based career development programs. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

SLS2505 Critical Thinking, 3.0 sem hrs

This course is designed to teach students to become critical thinkers, showing students how to apply their critical thinking skills to everyday problems and issues in school, in careers, and in their personal lives and public affairs. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. (Prerequisite or corequisite: ENC 1101.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Co-Reqs: ENC1101

SLS3355 Orientation to BS in Education Programs, 0.0 sem hrs

The purpose of this course is to introduce students to the Education Department processes and overall expectations for disposition for teaching. Pre-service teachers will learn the use of the College's online portfolio system (LiveText), how coursework relates to their meeting the Florida Department of Education requirements for teacher certification, and how to ensure they remain a satisfactory candidate for graduation. This course requires the students to purchase access to the LiveText software program. This course is a one day four hour orientation offered during the FA and SP terms.

Lab Fees: $85.00

SOP - Psychology

SOP2002 Introduction to Social Psychology, 3.0 sem hrs

The function of individuals in social groups, with emphasis upon communications, persuasion, attitudes and other practical applications. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101

SOP2772 Psychology of Human Sexuality, 3.0 sem hrs

A study of the psychological, biological, psychosocial and cultural aspects of human sexuality. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101

SPC - Speech Communication

SPC2511 Argumentation and Debate, 3.0 sem hrs

The principles of argumentation, including analysis, evidence, inference and refutation, and their application to issues of current public interest through the practice of team debates. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA

Pre-Reqs: SPC2608

SPC2608 Oral Communications/Research/Presentation Skills, 3.0 sem hrs

Basic principles of speech communication, including practice with various types and methods of oral expression. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: ENC1101

SPC2905 Directed Study in Speech, 1.0 - 4.0 sem hrs

Directed Study in Speech FA, SP, SU

SPN - Foreign Language (Spanish)

SPN1120 Elementary Spanish I Concentrated, 4.0 sem hrs

Introductory-level course to Spanish and Hispanic cultures for students who have no or limited knowledge of Spanish. Instruction is based on the fundamentals of grammar principles and on the communicative approach with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

SPN1121 Elementary Spanish II Concentrated, 4.0 sem hrs

Beginning-level course to Spanish and Hispanic cultures for students who have completed SPN 1120 or have a basic knowledge of Spanish. Instruction is designed to continue the study of the fundamentals of grammar principles with activities designed to develop reading, listening, writing and speaking skills. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU

Pre-Reqs: SPN1120

SPN2220 Intermediate Spanish Reading and Conversation I, 4.0 sem hrs

A continuation of SPN 1121. An intermediate-level course designed to enhance the student's knowledge of Spanish and Hispanic cultures by continuing the study of grammar principles and by enhancing communicative competency through interactive activities. *This course will help satisfy the graduation*

requirements of the Associate of Arts (A.A.) degree. FA

Pre-Reqs: SPN1121

SPN2221 Intermediate Spanish Reading and Conversation II, 4.0 sem hrs

A continuation of SPN 2220. This course completes the second-year sequence of the intermediate-level course in Spanish and Hispanic cultures. Instruction is designed to strengthen communicative and written skills with emphasis on oral as well as written expression while introducing aspects of the history and literature of the Spanish-speaking world. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: SPN2220

SPN2905 Directed Study in Spanish, 1.0 - 4.0 sem hrs

Directed Study in Spanish (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

SPN2949 Cooperative Education Experience in Spanish, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Spanish FA, SP, SU

SSE - Social Studies Education

SSE3312 Teaching Social Studies, 3.0 sem hrs

The purpose of this course is to provide the pre-service teacher with the practical and theoretical knowledge and skills to be an effective elementary social studies teacher. This course requires a field experience in the public schools. This course is a full term 15 week class offered during the FA and SP terms.

Pre-Reqs: EDG4323 AND EDF4430 AND TSL3080

STA - Statistics

STA2023 Elementary Statistics, 3.0 sem hrs

Topics include: A survey of descriptive statistics and graphs, probability, random variables, confidence intervals, hypothesis testing, sampling, types of distributions, correlation and regression, and statistical applications. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP, SU.

Pre-Reqs: MAC1105 OR MGF2106

STA4024 Statistics II, 3.0 sem hrs

Topics include: Mathematical derivation of standard statistical distributions along with their mean and variance, estimation and hypothesis testing of means, proportions, and variances, analysis of variance, simple and multiple linear regression, an analysis of count data: chi-square and contingency tables, and nonparametric methods. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* SP

Pre-Reqs: STA2023 AND MAC2312 AND MAC2311

STS - Surgical Technology Studies

STS0003 Introduction to Surgical Technology, 2.03 voc hrs
An introduction to the medical, legal, ethical and psychological aspects of health care during surgical intervention. Aseptic techniques employed to guard against disease and infection, with methods to combat them. FA

Lab Fees: $10.00

STS0008 Pharmacology for Surgical Technology, 1.5 voc hrs
This course teaches general pharmacological concepts and principles in the management of patient care. Effective administration of therapeutic drugs, indications, and contraindications are discussed, including effects of medication on body systems, drug classifications and their principle action. Correct drug and dose identification is emphasized, including medications handled by the surgical technologist on the sterile field. FA

Co-Reqs: STS0120
Pre-Reqs: STS0003

STS0120 Surgical Specialities I, 2.2 voc hrs
Introduction to various surgical specialties and procedures along with specified human anatomy of the area where the surgical procedure is performed. FA

Pre-Reqs: BSC1080 AND HSC1531 OR INP1390

STS0121 Surgical Specialities II, 2.94 voc hrs
Introduction to additional surgical specialties and specific human anatomy of the area in which the surgical procedure is performed. SP

Pre-Reqs: STS0120

STS0122 Surgical Specialities III, 1.16 voc hrs
Introduction to the final group of complex surgical specialties and procedures along with specific anatomy of the area where the surgical procedure is performed. SU

Pre-Reqs: STS0121

STS0155 Surgical Techniques and Procedures, 3.2 voc hrs
A supervised, well-structured laboratory learning experience in the specialized field of operating room services and patient care. FA

Co-Reqs: STS0003
Conc-Reqs: STS0155L

STS0155L Surgical Techniques and Procedures Lab, 3.7 voc hrs
A supervised, well-structured laboratory learning experience in the specialized field of operating room services and patient care. FA

Conc-Reqs: STS0155
Lab Fees: $140.00

STS0255L Surgical Procedures Clinical I, 6.4 voc hrs

Introduction as a surgical technologist by practicing learned skills and acquiring additional skills in clinical affiliate facilitys operating rooms in various surgical specialties and procedures. FA

Co-Reqs: STS0120 AND STS0155 AND STS0003

STS0256L Surgical Procedures Clinical II, 12.5 voc hrs

Intermediate participation as a surgical technologist by practicing learned skills and acquiring additional skills in clinical affiliate facilitys operating rooms in various surgical specialties and procedures. SP

Co-Reqs: STS0121
Pre-Reqs: STS0155 OR STS0255L AND STS0003

STS0257L Surgical Procedures Clinical III, 5.2 voc hrs

Advanced participation as a surgical technologist by practicing learned skills and acquiring additional skills in clinical affiliate facilitys operating rooms in various surgical specialties and procedures. SU

Co-Reqs: STS0122
Pre-Reqs: STS0256L AND STS0255L

STS0949 Cooperative Education Experience in Surgical Technology, 1.0 - 4.0 voc hrs

Cooperative Education Training Assignment in Surgical Technology FA, SP, SU

SYG - Sociology

SYG2000 Introduction to Sociology, 3.0 sem hrs

A systematic and scientific study of social behavior, including social organization, culture, deviance, cultural behavior and social institutions. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: ENC1101

SYG2010 Social Problems and Deviance, 3.0 sem hrs

A study of major social problems and deviance in American society emphasizing causes, consequences and means of coping with these conditions. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: ENC1101

SYG2430 The American Family, 3.0 sem hrs

Investigation of the issues, changes and trends surrounding the contemporary American family. Findings from the field of family sociology will be compared to life experiences of students. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Co-Reqs: ENC1101

TAX - Accounting

TAX2000 Personal Income Tax, 3.0 sem hrs

An introductory study of the individual income tax return that includes gross income and exclusions, business expenses and retirement plans, self-employed and employee expenses, itemized and certain other deductions, credits and special taxes, accounting periods and methods, depreciation, capital gains and losses, withholding, estimated payments and payroll taxes. FA, SP, SU

TDR - Technical Drafting

TDR0304 Computer Aided Drafting CAD, 1.0 voc hrs

An introductory course to CAD. This is a certificate CAD training course in software, blueprint reading, dimensioning and tolerancing and print making. AutoCad will be the primary training software. FA,SP

Conc-Reqs: TDR0304L

TDR0304L Computer Aided Drafting CAD Lab, 2.0 voc hrs

Lab component for; Introductory course to CAD. This is a certificate CAD training course in software, blueprint reading, dimensioning and tolerancing and print making. AutoCad will be the primary training software. FA,SP

Conc-Reqs: TDR0304
Lab Fees: $20.00

THE - Theatre Arts

THE1000 Dramatic Appreciation, 3.0 sem hrs

An introduction to all the basic aspects of theater, including the play, the playwright, the actor, settings, and historical periods using a Golden Ages approach. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. Attendance at productions required. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Co-Reqs: ENC1101

THE1035 Dramatics I (Acting), 3.0 sem hrs

An introductory course to the Acting process. General development of Form and Idea in acting and exercises in creating basic dramatic statement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA. SP

THE1036 Dramatics II (Acting), 3.0 sem hrs

Basic scene study focusing on script analysis. Students will llearn to recognize themes, dramatic

structure, and metaphor. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA,SP

Pre-Reqs: THE1035

THE2037 Dramatics III (Theatre Production), 3.0 sem hrs

Students will take an in -depth look at character development. Through extensive journal work, physical exploration, script analysis, and focused scene work, students will continue to investigate the tools of an actor. May be repeated one time for credit. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: THE1036

THE2038 Dramatics IV (Theatre Production), 3.0 sem hrs

Actors will expand their acting cannon through extensive physical based actor development, work with Shakespeare, and "Comedy of Manners." Actors will also learn the basis of stage violence. May be repeated one time for credit. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Pre-Reqs: THE2037

THE2905 Dramatic Study in Dramatics, 1.0 - 3.0 sem hrs

Directed Study in Dramatics FA, SP, SU

THE2949 Cooperative Education Experience in Stagecraft, 4.0 sem hrs

Cooperative Education Experience in Dramatics FA, SP, SU

TPA - Theatre Arts

TPA2200 Stagecraft, 3.0 sem hrs

A study of the basic principles of set design, stage carpentry and props construction, with emphasis on performance construction/support. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.***SP

TPP - Theatre Arts

TPP2120 Creative Improvisation: Innovation for Theatre and the Real World, 2.0 sem hrs

Through acting exercises in a safe, open environment students will discover and develop their creative and authentic responses to situations on and off stage. Using relaxation techniques and a variety of character-based improvisation games, they will achieve greater self-confidence, freedom of expression and an ability to adapt, take risks, and collaborate. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Conc-Reqs: TPP2120L

TPP2120L Creative Improvisation: Innovation for Theatre and the Real World Lab, 1.0 sem hrs

Through acting exercises in a safe, open environment students will discover and develop their creative and authentic responses to situations on and off stage. Using relaxation techniques and a variety of character-based improvisation games, they will achieve greater self-confidence, freedom of expression

and an ability to adapt, take risks, and collaborate. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Conc-Reqs: TPP2120

TPP2190 Theatre Rehearsal and Performance, 2.0 sem hrs
The class will focus on stage and acting basics as they are applied to the production of a play or musical play. May be repeated one time for credit. (Prerequisite: Permission of chairperson through audition.) ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Conc-Reqs: TPP2190L

TPP2190L Theatre Rehearsal and Performance Lab, 1.0 sem hrs
The class will focus on stage and acting basics as they are applied to the production of a play or musical play. May be repeated one time for credit. (Prerequisite: Permission of chairperson through audition.) ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

Conc-Reqs: TPP2190
Lab Fees: $10.00

TPP2300 Beginning Directing, 3.0 sem hrs
A basic theatre techniques course with an emphasis on script analysis, fundamentals of staging, and work with actors. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP

TSL - Teaching English as a Second Language

TSL3080 ESOL Issues and Strategies I, 3.0 sem hrs
The purpose of this course is to introduce the underlying theories and practices of teaching ESOL (English to Speakers of Other Languages). The goal of this course is to develop the foundation of knowledge necessary to prepare educators to understand the concepts upon which second language acquisition are based as well as the impact these concepts will have on instruction. The following areas will be addressed in the course: linguistics, effective strategies/methods and curriculum to reach linguistically and culturally diverse students, multicultural education, linguistic and cultural issues in the area of assessment. The course will address the Consent Decree and the implications it has for students and teachers. This course requires a field experience in the public schools with at least one ESOL student. This course is a full term 15 week class offered during the FA and SP terms.

TSL4081 ESOL Issues and Strategies II, 3.0 sem hrs
The purpose of this course is to build upon the foundation course in Teaching English to Speakers of Other Languages for students in integrated teacher education programs. The goal of this course is to link the theory and practice for effective teaching of English Language Learners students. The course will focus primarily on methods, curriculum and assessment of ELL students. This course requires field experience in the public schools with at least one ESOL student. This course is a 7 week class offered during the FA and SP terms.

Pre-Reqs: TSL3080

<u>WOH - History</u>

WOH2012 World History Before 1500, 3.0 sem hrs

Survey of the major civilizations of the world from ancient times to the modern era. Emphasis on the development of civilization and the influence of encounter and exchange. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: ENC1101

WOH2022 World History After 1500, 3.0 sem hrs

An overview of the modern civilizations of Asia, Africa, Europe and the Americas. Emphasis on the development of new social, economic and political systems accompanied with intensified cultural exchange. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

Pre-Reqs: ENC1101

Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 26 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is on the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

Example of Course Identifier

Prefix	Level Code (first digit)	Century Digit (second digit)	Decade Digit (third digit)	Unit Digit (fourth digit)	Lab Code
ENC	1	1	0	1	
English Composition	Lower (Freshman) Level at this institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 58 different postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution.

Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. **NOTE**: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

> Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the _900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis and Dissertations.
D. College preparatory and vocational preparatory courses.
E. Graduate courses.
F. Internships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice are not guaranteed as transferable.

Courses at Nonregionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Angela Kennerly in the Office of Academic Affairs at Daytona State College or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

Academic Program Code Listing

Bachelor of Applied Science in Supervision and Management Program

The BAS prepares individuals for supervisory and management roles and positions.

6000   Supervision and Management

Bachelor of Science in Education Programs

The BSED is an approved program leading to teacher certification in the State of Florida.

6221   Elementary Education (9521)
6222   Exceptional Education (9522)

6223   Secondary Math Education (9523)
6224   Secondary Biology Education (9524)

6227   Secondary Earth/Space Science Education (9527)

EPI is an approved certificate program leading to teacher certification in the State of Florida for individuals with a Bachelor's degree in a field other than Education.

8008 Educator Preparation Institute

Bachelor of Science in Engineering Technology Programs

Engineering Technology is the profession in which knowledge of the applied mathematical and natural sciences gained by higher education, experience, and practice is devoted to the application of engineering principles and the implementation of technological advances for the benefit of humanity.

6331   Engineering Technology (BSET)

6332   Engineering Technology - Information Systems Technology Concentration

6333   Engineering Technology - Electrical Engineering Technology Concentration

Associate of Arts Transfer Advising Track Codes

Below is a list of tracks for students wishing to transfer to a four-year college. The degree granted from the College is an Associate of Arts Degree–General Education degree, thus the advising track identification will not appear on the diploma or transcript.

Daytona State College's courses are designed to meet standard university requirements. Students should know the requirements of the upper division institution they plan to attend. More details regarding specific courses required to complete the AA degree can be found in the catalog section entitled Requirements for the Associate of Arts Degree–General Education.

0100   Undecided

7150   Liberal Arts

7200   Behavioral and Human Sciences - General
7210   Psychology
7211   Marriage and Family (Relational)
7212   Social Psychology
7213   Clinical/Counseling
7214   Developmental Psychology
7215   Sociology

7220   Education - Transfer, General
7221   Elementary Education
7222   Exceptional Education
7223   Secondary Math Education
7224   Secondary Biology Education
7227   Secondary Earth/Space Science Education

7300   Economics and Business - General
Accounting   General Business
Economics   Management
Finance   Marketing

7400   Communications – General
7405   Advertising/Public Relations
7410   English
7415   Foreign Languages
7420   Journalism
7425   Television/Radio Broadcasting

7500   Historical, Political and Global - General
7505   Geography
7510   History
7515   International Relations
7520   Political Science
7525   Pre-Law

7600   Humanities and Arts - General
7605   Performing Arts
       Acting/Theatre
       Dance
       Music
7610   Art
       Fine Arts
7615   Philosophy
7620   Photography
7625   Religion

7700   Mathematics and Technology - General
7705   Architecture (Pre-)
7710   Computer Science
7715   Digital Media
       Animation
7720   Engineering
7721   Engineering Technology
7730   Math/Statistics

7800   Public Service - General
7805   Criminal Justice
       Criminology
7810   Legal Studies

7815   Social Work
7900   Science - General
7905   Agriculture
7910   Astronomy
7915   Athletic Training/Sports Medicine
7920   Biology
       Botany   Microbiology   Zoology
7921   Marine Biology
7922   Marine Science
7925   Chemistry
7930   Dietetics/Nutrition
7935   Environmental Science
7940   Forestry and Conservation
7945   Forensic Science
7950   Meteorology
7951   Ocean Engineering
7955   Pre-Bachelors of Science
       Nursing (BSN)
7960   Pharmacy (Pre-)
7965   Pre-Professional
       Chiropractic (Pre-)
       Dentist (Pre-)
       Medicine (Pre-)
       Physical Therapy (Pre-)
       Veterinarian (Pre-)
7970   Radiology (Pre-)
7971   Veterinary Technology
(Distance Education)

Associate of Science Programs

Two-year programs leading to an AS degree

Graduates are prepared for immediate entry into occupations. All general education courses are transferable to the Florida State University System.

TECHNICAL & INDUSTRIAL
2219 Architectural and Building Technology
2013 Computer Engineering Technology
2067 Computer Information Technology
2047 Computer Programming and Analysis
      (Software Engineering Technology)
2220 Drafting and Design Technology (CAD)
2003 Electronics Engineering Technology
2221 Industrial Management Technology
2070 Interior Design Technology
2005 Internet Services Technology
2002 Networking Services Technology
2204 Simulation and Robotics Technology

BUSINESS
2084 Accounting Technology
2059 Business Administration
2226 Culinary Management
2012 Hospitality Management
2228 Office Administration
      (Medical Transcription Option)
2229   Office Administration
2062 Paralegal Studies (Legal Assisting)

MUSIC, ENTERTAINMENT & ART
2209 Music Production Technology
      (Audio /Recording)
2075 Photographic Technology

AGRISCIENCE & NATURAL RESOURCES
2230 Environmental Science Technology

HEALTH CAREERS & PUBLIC SERVICES
2039* Criminal Justice Technology Bridge
2036* Dental Hygiene (2136)
2044 Early Childhood Education
      Associate Degree
2208* Emergency Medical Services (2108)
2056 Fire Science Technology
2214* Health Information Management (2114)
2007 Human Services
      (Addictions Specialization)
2071* Nursing (Associate Degree) (2171)
2271* Nursing (Transition Into Profession)
      (2171)
2215* Occupational Therapy Assistant (2115)
2216* Physical Therapist Assistant (2116)
2037* Radiography (2137)
2217* Respiratory Care (2117)

Occupational Certificates

PROGRAMS DESIGNED TO PROVIDE TRAINING IN VARIOUS FIELDS.

AS Certificates (college credit) and applied technology diploma programs can be applied toward an appropriate AS degree.

AS CERTIFICATE
(COLLEGE CREDIT) PROGRAMS
0943 Accounting Applications/Computerized
0935 Accounting Technology Operations -
      Tax Preparation
0813 Addictions Studies Specialization
0818 Audio/Recording Technology
0927 AutoCAD Foundations
      (Architectural)
0928 AutoCAD Foundations (Engineering)
0916 Business Management
0913 Business Operations - Entrepreneurship
0921 Cable Installation
0922 Computer Engineering Technology
      Cisco (CCNA)
0938 Computer Programming
0901 Computer Specialist
0929 Drafting and Design Technology
0814 Human Services Assistant
      Specialization
0902 Information Technology Administration
0903 Information Technology Analysis
0904 Information Technology Management
0905 Information Technology Support
      Specialist
0906 Information Technology Technician
0816 Interior Design Technology -
      Kitchen and Bath Specialization
0912* Medical Information Coder/Biller
      (1912)

0907 Microcomputer Repairer/Installer
0923 Network Communications (LAN)
0924 Network Communications (WAN)
0908 Network System Developer
0914 Office Management
0919 Office Management - Medical Option
0926 Office Support (Technical Certificate)
0957* Paramedic (1957)
0817 Sales - Entrepreneurship
0979 Television Studio Production
0909 Web Development Specialist
0925 Wireless Communications

APPLIED TECHNOLOGY DIPLOMA PROGRAM
0960* Emergency Medical Technician (1960)
0920   Medical Record Transcribing

VOCATIONAL CREDIT PROGRAMS
1036**Advanced Automotive
      Technology (Performance
      Engine Specialization)
1054**Air Conditioning, Refrigeration
      and Heating Mechanic
1011**Air Conditioning, Refrigeration
      and Heating Technology
1097**Automotive Collision Repair
      and Refinishing
1201**Automotive Service Technology
1050* Correctional Officer Recruit
      Training (1150)

1084**Cosmetology
1034**Culinary Operations - Baking
      and Pastry Specialization
1048* Dental Assisting (1148)
1056* Fire Fighter II (1156)
1051* Law Enforcement Recruit
      Training (1151)
1202**Machining
1024* Massage Therapy (1124)
1023* Medical Assisting (1123)
1076*/**Patient Care Assistant (1176)
1095* Practical Nursing (1195)
1092* Surgical Technology (1192)
1033**Welding Technology (Applied)

APPRENTICESHIP PROGRAMS
1020 Early Childhood Education Apprentice
1071 Electrical Apprentice - Non-Union
1072 Electrical Apprentice - Union

---

* All AS degree and certificate programs that are marked with an asterisk (*) are limited access programs. A separate application must be filed with the respective department for these programs. (Admission to the College does not guarantee admission to these programs.) Program codes indicated in parentheses are for conditional acceptance.

** High school diploma/GED is not required for admission to these programs; however, it is a requirement for financial aid.

For additional program-specific information please refer to the College Catalog at http://www.daytonastate.edu/catalog and click on "Program Guides"

9762836 DSC CREATIVE 10/12

Administrative Organization of the College

Carol W. Eaton is President and Chief Executive Officer of Daytona State College and is responsible to the District Board of Trustees.

President's Staff

Senior Vice President for Academic Affairs – Michael Vitale

Associate Vice President, Retention, Assessment and Analysis/Academic Affairs – Rhodella Brown
Associate Vice President, College of Arts and Sciences – Susan Pate
Associate Vice President, College of Business Administration – Eileen Hamby
Associate Vice President, College of Education – Kristy Presswood
Associate Vice President, College of Health, Human and Public Services – James Greene
Associate Vice President, College of Technology – Ronald Eaglin
Associate Vice President, School of Workforce and Continuing Education – Mary Bruno
Associate Vice President, Division of Library and Academic Support – Michelle McCraney
Dean, Hosseini College of Hospitality Management – Costa Magoulas
Dean, School of Adult Education – Katrina Bell
Dean, Athletics/School of Health and Wellness - Will Dunne
Director, Academic Assessment - Lori Wolfe
Director, School of Education – Margie Hensler
Director, Emergency Services Institute - Louie Mercer
Director, Center for Business and Industry – Frank Mercer
Director, Small Business Development Center – Ned Harper
Director, Academic and Curriculum Services - Angela Kennerly
Director, Southeast Museum of Photography - Kevin Miller
Director, Writing Center – Rebecca Block
Director, Alternative Services – Judith Campbell
Coach, Men's Baseball - Tim Touma
Coach, Men's Basketball - Anthony André
Coach, Women's Basketball - Stephanie Smith
Coach, Women's Golf - Laura Brown
Coach, Women's Softball - Sabrina Manhart
Coach, Swimming – Donald Gibb

Senior Vice President, Student Development and Institutional Effectiveness - Thomas LoBasso

Associate Vice President, Institutional Effectiveness – Nancy Morgan
Dean, Academic Assessment and Planning – Karla Moore
Dean, Institutional Research and Evaluation- Susan Antillon
Director, Resource Development – Theodore Sofianos

Associate Vice President, Enrollment Development Services – Buckley James
Dean, Financial Aid Services – Kevin McCrary
Director, Financial Aid Services - Aileen Morrissey
Director, Academic Advising - LeeAnn Davis
Director, Admissions and Recruitment - Karen Sanders
Director, Assessment Services - Janet Sledge

Dean, Student Services – Keith Kennedy
Director, Student Disability Services – Miguel Rivera

Dean of Campus Services, Flagler/Palm Coast Campus – Kent Ryan
Dean of Campus Services, DeLand Campus - William Wetherell
Director of Campus Services, Deltona Campus – Suzette Cameron
Director of Campus Services, New Smyrna Campus – Clarence McCloud

Associate Vice President, Facilities Services - Peter McCarthy
Director, Facilities Planning - Steven Eckman
Director, Facilities Services - Gail Savicki

Assistant Dean, Co-Curricular Activities – Bruce Cook

Director/ Public Information Officer, Marketing – Laurie White

Director, Campus Safety - William Tillard

Executive Vice President/General Counsel – Brian Babb

Associate Vice President, Human Resources - Robin Barr
Director, Payroll/Leave - Jennifer Campbell
Director, Employee Benefits - Laurie Van Dusen

Associate Vice President, Business Services - Janet Parish

Vice President, Finance - Isalene Montgomery

Associate Vice President, Finance - Mary Fowler
Director, Finance - Martin Cass
Director, Budget – Veronica Frank
Director, Bursar - Amy Iverson

Senior Vice President, Information Technology/Center for Interactive Media – Roberto Lombardo

Associate Vice President, Information Services - Eric Urff
Chief Technology Security Officer, Information Technology - Mike Burke
Executive Director, Software Development – Don Davis
Director, Software Development – Marek Juracek
Director, Information Technology Resources – George Hogan

Executive Director, Information Technology Instructional Resources – Robert Saum
Director, Center for Interactive Media – Andrew Chalanick

Senior Vice President, Governmental Relations - Sharon Crow

Director, Governmental Relations - Robert Grimm

Director, Equity and Inclusion - Lonnie Thompson

Executive Director, Foundation – Kay Burniston

Department Chairpersons

College of Business Administration

Hosseini College of Hospitality Management	Costa Magoulas
School of Applied Business	William Wetherell
School of Management	Eileen Hamby

College of Education

School of Education	Leslie Potter
School of Alternate Teacher Preparation	Leslie Potter
School of Adult Education	Katrina Bell

College of Health, Human and Public Services

School of Dental Sciences	Pamela Ridilla
School of Emergency Services	Louie Mercer
School of Health Careers and Human Services	Geraldine Rimstidt
School of Nursing	Linda Miles

College of Arts and Sciences

Mike Curb College of Music, Entertainment and Art	Doug Peterson
School of Behavioral and Social Sciences	Ron Morrison
School of Biological and Physical Sciences	Sandra Horikami
School of Photography	Daniel Biferie
School of Health and Wellness	Will Dunne
School of Mathematics	Marc Campbell
School of Humanities and Communication	Evan Rivers
School of Modern Languages	Raymond Cornelius
School of Student Life Skills	Charlene Latimer
Honors College	Andrea Reese
Learning Communities	Cassandra Blanton

College of Technology

School of Building and Architectural Technology	Anindya Paul
School of Computer Science	Anindya Paul
School of Engineering Technology	Anindya Paul

School of Workforce and Continuing Education

Center for Business and Industry	Frank Mercer
Cosmetology	Lorraine Gerrity
Occupational Apprenticeships	Roger Rowan
Workforce Careers	Roger Rowan

Division of Library and Academic Support

Academic Support Center	Michelle McCraney
Library Services	Mercedes Clement
Writing Center	Rebecca Block

Full-time Faculty and Administration

Adams, Mattie (2008)
Associate Professor, School of Humanities and Communication
adamsm@DaytonaState.edu
M.A. and B.A., University of Central Florida
A.A., Daytona State College

Adkins, Jameal (2001)
Associate Professor, School of Computer Science
Assistant Chair, Programming
adkinsja@DaytonaState.edu
M.S., Strayer University
B.A., Rutgers State University of New Jersey

Aiello, Taryn (2011)
Assistant Professor, Mori Hosseini College of Hospitality Management
aiellota@DaytonaState.edu
M.S., University of Central Florida
B.S., University of Florida

Alacan, Kimberly (2002)
Professor, School of Mathematics
alacank@DaytonaState.edu
M.S., University of Central Florida
B.S., Florida State University
A.A., Gulf Coast Community College

Allbritton, Randall (1987)
Senior Professor, School of Mathematics
allbrir@DaytonaState.edu
M.A.T. and B.S., University of Florida

Andre, Anthony (2007)
Coach, Men's Basketball
andrea@DaytonaState.edu
M.S. and B.S., University of West Alabama
A.A., Butler County Community College

Angel, Andrea (2012)
Associate Professor, School of Nursing
angela@DaytonaState.edu

M.S.N., University of Phoenix
B.S.N., York College of Pennsylvania
B.S., University of Phoenix

Antillon, Susan (1991)
Dean, Institutional Research
antills@DaytonaState.edu
M.A. and B.A., University of Colorado

Arcuri, Robert (2001)
Professor, School of Humanities and Communication
Assistant Chair, Speech and Humanities
arcurir@DaytonaState.edu
M.A., University of Georgia
B.A., Florida Atlantic University

Avery, Michael (2007)
Associate Professor, School of Management
averym@DaytonaState.edu
D.B.A., Nova Southeastern University
M.S., Troy State University
B.A., California State University
A.A., Fullerton College

Babb, Brian (2000)
Executive Vice President/General Counsel, President's Office
babbb@DaytonaState.edu
J.D. and B.A., University of Tennessee

Backer, James (2003)
Professor, School of Biological and Physical Sciences
backerj@DaytonaState.edu
Ph.D., Ohio State University
B.A., Rollins College

Badie, Kelvin (2005)
Instructor/Assistant Chair, School of Adult Education
badiek@DaytonaState.edu
B.S., University of Florida

Ballard, Perry (2008)
Associate Professor, School of Behavioral and Social Sciences
ballarp@DaytonaState.edu
Ph.D., Louisiana State University
M.A., Mississippi State University
B.A., Southeastern Louisiana State

Full-time Faculty and Administration

Bancer, Dana (2006)
Assistant Professor, School of Health Careers and Human Services
Assistant Chair, Surgical Technology
bancerd@DaytonaState.edu
A.A., Owens Community College

Barnes, Elizabeth (2006)
Assistant Professor, School of Humanities and Communication
barnese@DaytonaState.edu
M.A. and B.A., Stetson University

Barr, Robin (2000)
Associate Vice President, Human Resources
barrr@DaytonaState.edu
M.B.A., Florida Atlantic University
B.A., Warner Southern College
A.A., Daytona State College

Baxter, Lance (2002)
Associate Professor, School of Adult Education
baxterl@DaytonaState.edu
Ed.D., and M.Ed., University of North Florida
B.S., University of Central Florida
A.A., Daytona State College

Beechler, Kimberly (2001)
Professor, School of Nursing
beechlk@DaytonaState.edu
M.S.N., University of Phoenix
B.S.N., Carlow College

Bell, Katrina (2004)
Dean, School of Adult Education
bellk@DaytonaState.edu
Ed.D., Nova Southeastern University
M.P.A., University of Tennessee
B.S., East Tennessee State University

Bellino, Nicholas (2011)
Assistant Professor, Mori Hosseini College of Hospitality Management
bellinn@DaytonaState.edu
M.S. and B.S., Widener University

Bellomo, Tom (2000)
Professor, School of Humanities and Communication

bellomt@DaytonaState.edu
Ed.D. and M.A., University of Central Florida
B.A., State University of New York - Stony Brook
A.A., Suffolk County Community College

Benson, Stephen (2008)
Associate Professor, School of Photography
bensons@DaytonaState.edu
M.F.A., Cranbrook Academy of Art
B.F.A., College for Creative Studies

Berning, Trent (2012)
Assistant Professor, Mike Curb College of Music, Entertainment and Art
bernint@DaytonaState.edu
M.F.A., University of Tennessee
B.F.A., Fort Hayes State University
A.A., Garden City Community College

Bevins, Anita (2011)
Assistant Professor, School of Management
bevinsa@DaytonaState.edu
M.A.M.C., University of Florida
B.A., Virginia Polytechnic Institute

Biferie, Daniel (1975)
Senior Professor, Chair, School of Photography
biferid@DaytonaState.edu
M.F.A. and B.F.A., Ohio University
A.S., Daytona State College

Bishop, James (1993)
Professor, School of Mathematics
bishopj@DaytonaState.edu
M.A., University of South Florida
B.S., Eckerd College

Blaine, Ana (2011)
Assistant Professor, School of Education
blainea@DaytonaState.edu
M.Ed., University of Miami
B.S., Florida International University
A.A., Miami Dade College

Blanken, Erika (2004)
Assistant Professor, School of Mathematics
blankee@DaytonaState.edu

M.S., University of Central Florida
B.A., University of South Florida

Blanton-Mitze, Elizabeth (1995)
Professor/Assistant Chair, School of Humanities and Communication
Assistant Chair, Developmental English
blanotoe@DaytonaState.edu
Ed.D., University of Central Florida
Ed.S., Florida Atlantic University
M.A., Eastern Kentucky University
B.A., University of Kentucky
A.A., Prestonsburg Community College

Blanton, Sarah C. (1996)
Professor, School of Humanities and Communication
Chair, Learning Communities
blantoc@DaytonaState.edu
Ph.D., University of South Florida
M.A., University of Central Florida
B.A., Southern Methodist University

Blazer, Seth (2009)
Assistant Professor, School of Humanities and Communication
blazers@DaytonaState.edu
M.A., University of Central Florida
B.A., Pennsylvania State University

Block, Rebecca (2010)
Associate Professor/Director, Writing Center
blockr@DaytonaState.edu
Ph.D. and M.A., University of Louisville
B.A., New College of Florida

Booth, Gabriele (2005)
Associate Professor, School of Mathematics
boothg@DaytonaState.edu
M.A. and B.S., University of Central Florida
B.S., Franhhochschule Giessen-Friedberg, Germany

Bosse, Christian (2011)
Assistant Professor, School of Mathematics
bossec@DaytonaState.edu
M.S., University of California
B.A. and B.S., La Sierra University

Bouey, Vanessa (2003)

Assistant Professor/Counselor, TRIO Student Support Services
boueyv@DaytonaState.edu
M.A., Webster University
B.A., Rollins College

Brackel, Amy (2008)
Assistant Professor, School of Humanities and Communication
brackea@DaytonaState.edu
M.A. and B.A., University of Central Florida
A.A., Daytona State College

Braley, Karen (2011)
Assistant Professor, School of Biological and Physical Sciences
braleyk@DaytonaState.edu
M.S., Dartmouth College
B.S., Trinity College of Vermont

Braun, Jerold (1999)
Professor, School of Applied Business
braunj@DaytonaState.edu
M.B.A. and B.S., University of Central Florida
A.A., Daytona State College

Breitenbach, Eric (1981)
Senior Professor, School of Photography
breitee@DaytonaState.edu
M.S., B.F.A. and A.A.S., Rochester Institute of Technology

Brombin, Emma (1987)
Professor, School of Modern Languages
brombie@DaytonaState.edu
M.A., University of Udine

Brooks, Kelly D. (2010)
Associate Professor, School of Mathematics
brooksk@daytonastate.edu
M.S., Purdue University
B.S., Spelman College

Brown, Laura (1998)
Head Coach, Women's Golf
brownla@DaytonaState.edu
B.S., University of Florida

Brown, Rhodella (1989)
Associate Vice President, Retention, Assessment and Analysis/Academic Affairs

brownr@DaytonaState.edu
Ed.D., University of Florida
M.S., State University of New York-Fredonia
B.S., State University of New York-Buffalo

Brown, Vickie (1993)
Professor, School of Student Life Skills
brownv@DaytonaState.edu
M.A., University of Central Florida
B.A., Limestone College
A.S., North Greenville Junior College

Bruno, Mary (2010)
Associate Vice President, School of Workforce and Continuing Education
brunom@DaytonaState.edu
Ed.S., Stetson University
M.S., Florida State University
B.S., Montclair State University

Burke, Michael (1999)
Chief Technology Security Officer, Information Technology
burkem@DaytonaState.edu
Ph.D., Capella University
M.S., Florida State University
B.A., Lehman College

Burkhart, Patricia (2006)
Professor, School of Nursing
burkhap@DaytonaState.edu
M.S.N.., Saint Louis University
B.S.N., University of Evansville

Burniston, Kay (2012)
Executive Director, Foundation
burnisk@DaytonaState.edu
M.P.A., University of Central Florida
B.A., Western Michigan University

Burns, Trevor (2009)
Assistant Professor, School of Health and Wellness
burnst@DaytonaState.edu
M.S., University of Central Florida
B.S., Heidelberg College

Burroughs, Anne (2012)
Assistant Professor, School of Nursing

burroua@DaytonaState.edu
M.S. and B.S., University of Phoenix
A.S., Daytona State College

Burton, Jeffrey (1999)
Associate Professor, School of Computer Science
burtonj@DaytonaState.edu
M.S., Georgia State University
B.S., Appalachian State University

Bush, Cherelyn (2008)
Associate Professor, School of Humanities and Communication
bushch@DaytonaState.edu
Ph.D., M.A. and B.A., Michigan State University

Cameron, Christopher (1999)
Professor, School of Computer Science
cameroc@DaytonaState.edu
M.S., Nova Southeastern University
B.S., University of Central Florida
A.S., Daytona State College

Cameron, Suzette (2012)
Director of Campus Services, Deltona Campus
cameros@DaytonaState.edu
M.S. and B.A., Saint Leo University

Campbell, Jennifer (1987)
Director, Payroll/Leave
campbej@DaytonaState.edu
B.S., University of Central Florida
A.A., Daytona State College

Campbell, Judith (1995)
Director, Division of Alternative Student Services
campbeju@DaytonaState.edu
Ed.D., University of Central Florida
M.Ed., Stetson University
B.A., University of South Florida
A.A., Daytona State College

Campbell, Marc (1994)
Senior Professor/Chair, School of Mathematics
campbem@DaytonaState.edu
M.S. and B.S., Tennessee Technological University

Capps, Paul (2002)
Professor, School of Mathematics
cappsp@DaytonaState.edu
M.S., B.S. and A.A., University of Florida

Cass, Martin (2012)
Director, Finance
martinc@DaytonaState.edu
M.S., University of North Florida
B.S., University of Florida

Caswell, Cristeen, (2012)
Instructor, School of Adult Education
caswelc@DaytonaState.edu
B.S., University of Central Florida

Chalanick, Andrew (2004)
Director, Center for Interactive Media
chalana@DaytonaState.edu
M.S. and B.F.A., Syracuse University
A.A., Auburn Community College

Chou, Jack (2000)
Associate Professor, School of Computer Science
chouj@DaytonaState.edu
Ph.D., M.A.S., University of Waterloo
B.S., National Taipei Institute of Technology

Christeson, Norton (1984)
Senior Professor, Mike Curb College of Music, Entertainment and Art
Assistant Chair, Music (Vocal)/Entertainment
christn@DaytonaState.edu
D.M.A., University of Cincinnati
M.M. and B.M., University of Alabama

Clark, Jill (2001)
Associate Professor, School of Humanities and Communication
clarkj@DaytonaState.edu
M.Ed., Stetson University
M.A., Rollins College
B.S., Northwest Missouri State University

Clement, Job (1981)
Senior Professor, School of Behavioral and Social Sciences
clemenj@DaytonaState.edu
Ph.D. and M.Ed., University of Florida

B.A., Judson University
B.D., Haiti Theological Baptist Seminary

Clement, Mercedes (1981)
Senior Professor/Head Librarian, Library Services
clemenm@DaytonaState.edu
M.S., Florida State University
M.Ed. and B.A., University of Florida

Cochran, Cal (2007)
Coach, Women's Basketball
cochrac@DaytonaState.edu
B.S., University of Tennessee

Colarusso, Diana-Joy (2008)
Associate Professor, School of Applied Business
colarud@DaytonaState.edu
M.B.A. and B.S.B.A., University of Central Florida
A.A., Daytona State College

Conklin, Jeffrey (1995)
Associate Professor, Culinary
Assistant Chair, Mori Hosseini College of Hospitality Management
conklij@DaytonaState.edu
M.H.A., University of Nevada
B.A., Warner Southern College
A.S., Daytona State College

Connor, John (1998)
Senior Professor, School of Education
Public School Psychologist
connorj@DaytonaState.edu
Ed.S., University of Central Florida
M.S., Nova University
B.S., Lakehead University

Cook, Bruce (1988)
Assistant Dean, Co-curricular Activities
cookb@DaytonaState.edu
M.A., University of Phoenix
B.S., University of Florida
A.A., Santa Fe Community College

Cornelius, Raymond (1996)
Professor/Chair, School of Modern Languages
cornelr@DaytonaState.edu

M.A., Vanderbilt University
B.A., University of Georgia
A.A., Seminole Community College

Cothran, Robert (2010)
Instructor, College of Workforce and Continuing Education
cothrar@DaytonaState.edu
A.S., Rutledge College

Couzenza, Toni (2000)
Professor, School of Nursing
couzent@DaytonaState.edu
M.S.N., University of Louisville
B.S.N., Spalding College

Craiger, Phillip (2010)
Assistant Professor, School of Technology
craigep@DaytonaState.edu
Ph.D. and M.S., University of South Florida
B.S., Florida State University

Craig-Oatley, Mary E. (2006)
Professor, School of Health Careers and Human Services
Assistant Chair, Occupational Therapy Assistant Program
craigom@DaytonaState.edu
M.Ed., Boston University
B.S., University of Kansas

Creamer, Bethany (2005)
Assistant Professor, School of Building and Architectural Technology
Assistant Chair, Building and Architectural Technology
creameb@DaytonaState.edu
B.S., Florida State University

Crow, Sharon (1975)
Senior Vice President, Governmental Relations
crows@dbc.edu
B.S., University of Alabama

Csabi, Kim (1998)
Associate Professor, School of Health & Wellness
Head Athletic Trainer, Sports Medicine
csabik@DaytonaState.edu
M.E.S.S., University of Florida
B.S., Ashland College

Cupick, Linda (1990)
Senior Professor, School of Applied Business
Assistant Chair, Paralegal Studies
cupickl@DaytonaState.edu
J.D., Mercer University
B.A., Stetson University

Davids, Matthew (2007)
Assistant Professor, School of Adult Education
davidsm@DaytonaState.edu
B.S. and A.A., Florida State University

Davis, Don (1999)
Executive Director of Software Development, Information Technology
davisd@DaytonaState.edu
B.A.S., Daytona State College
A.S., Daytona Beach College

Davis, LaTassa (2006)
Assistant Professor, School of Health Careers and Human Services
Assistant Chair, Massage Therapy
davisla@DaytonaState.edu
B.S., Anthem College
A.S., High-Tech Institute
Massage Diploma, Florida College of Natural Health

Davis, LeeAnn (2007)
Director, Academic Advising
davisl@DaytonaState.edu
Ed.D., M.A. and B.A., University of Central Florida
A.A., Columbia College

Davis, Robin (2007)
School of Emergency Services
Associate Professor, Criminal Justice Training
davisro@DaytonaState.edu
M.A., Webster University
B.S. University of Central Florida
A.A. and A.S, Brevard Community College

Davison, Tristan (2011)
Assistant Professor, School of Applied Business
davisot@DaytonaState.edu
M.B.A., Grand Canyon University
B.A., Warner University
A.A., Daytona State College

Dellavalle, Jacques (1986)
Professor, Mike Curb College of Music, Entertainment and Art
dellavj@DaytonaState.edu
M.F.A. and B.S., University of Maryland
A.A., Prince George Community College

Della Vecchia, Lucio (1994)
Professor, School of Mathematics
dellal@DaytonaState.edu
M.A., Lehman College
B.A., Hunter College
A.A., Bronx Community College

Desormeaux, Sarah (2010)
Assistant Professor, School of Management
desorms@daytonastate.edu
M.S.A. and B.S., University of Central Florida
A.A., Daytona State College

Deyo, Eugene (2010)
Instructor/Assistant Chair, College of Workforce and Continuing Education
deyoe@DaytonaState.edu

Deyo, Shana (2008)
Associate Professor, School of Management
deyos@DaytonaState.edu
J.D., Faulkner University
B.S., Florida State University
A.A., Tallahassee Community College

Divo, Eduardo (2010)
Associate Professor, School of Engineering Technology
divoe@DaytonaState.edu
Ph.D. and M.S., University of Central Florida
B.S., UNITEC University, Venezuela

Doolin, Richard (2003)
Professor, School of Biological and Physical Sciences
doolir@DaytonaState.edu
Ph.D., University of Florida
M.S. and B.S. Louisiana State University

Dorbad, Leo J. (2005)
Associate Professor, School of Humanities and Communication
dorbadl@DaytonaState.edu

Ph.D., Lehigh University
M.A., University of Mississippi
B.A., Kean College

Dose, Elizabeth (2005)
Assistant Professor, School of Behavioral and Social Sciences
dosee@DaytonaState.edu
Ph.D., Southern University
M.S., Troy State University
B.A., University of Central Florida

Douglas, Katherine (2012)
Instructor, Mori Hosseini College of Hospitality Management
douglak@DaytonaState.edu
A.A. and A.S., Daytona State College

Doyle, Robert (1984)
Professor, School of Emergency Services
Assistant Chair / Program Manager, Criminal Justice Bridge
doylebo@DaytonaState.edu
M.A., Clark University
B.A., University of Maine

Driscoll, Martha (1998)
 School of Emergency Services
Associate Professor/Clinical Coordinator, Emergency Medical Services
driscom@DaytonaState.edu
A.A. and A.S., Daytona State College

Duffy, Kelly (2007)
Professor, School of Nursing
duffyke@DaytonaState.edu
Ed.D. University of Phoenix
A.D.N. and A.A., Daytona Beach Community College
B.S.N. and M.S.N., University of Phoenix

Duffy, Kevin R. (2005)
School of Emergency Services
Associate Professor, Criminal Justice Training
duffyk@DaytonaState.edu
M.A., B.S., University of Central Florida
A.A. and A.S., Daytona State College

Duke, Nancy (2007)
Associate Professor, School of Behavioral and Social Sciences
duken@DaytonaState.edu

Ph.D., M.A., Florida State University
B.A., Florida Southern College

Dunham, Christopher (1988)
Professor, School of Computer Science
dunhamc@DaytonaState.edu
Ed.D., Nova Southeastern University
M.A. and B.S., University of Central Florida
A.A. and A.S., Daytona State College

Dunne, William (1988)
Dean/Chair, School of Health and Wellness
Director, Athletics
dunnew@DaytonaState.edu
M.P.A., University of Central Florida
B.S., University of Florida
A.A., Daytona State College

Dwarika, Robert (1996)
Associate Professor, School of Mathematics
dwarikr@DaytonaState.edu
M.S. and B.S., Embry-Riddle Aeronautical University

Eaglin, Ronald (2010)
Associate Vice President/College of Technology
eaglir@DaytonaState.edu
Ph.D. and M.S., University of Central Florida
B.S., University of South Carolina

Eaton, Carol W. (2011)
President
eatonc@DaytonaState.edu
Ph.D., M.S. and B.S., State University of New York at Albany
A.A.S., State University of New York at Cobleskill

Eckman, Steven (1995)
Director, Facilities Planning
eckmans@DaytonaState.edu
B.S., University of Kentucky

Edwards, Donna (2003)
Associate Professor, School of Nursing
edwardd@DaytonaState.edu
M.S.N, University of Phoenix
B.S.N., Bethune-Cookman College

Ellison, Sheila (1989)
Assistant Professor, School of Emergency Services
Assistant Chair, Law Enforcement, Corrections
ellisos@DaytonaState.edu
B.S. and A.A.S., Fairmont State College

Emmett, Raymond (2011)
Assistant Professor, School of Biological and Physical Sciences
emmettr@DaytonaState.edu
Ph.D., M.A. and B.A., University of Texas

Endebrock, Karen (1998)
Associate Professor/Assistant Chair, School of Biological and Physical Sciences
endebrk@DaytonaState.edu
M.S., University of Florida
B.A., University of Northern Colorado

 Eniwaye, Olu (2006)
Associate Professor, School of Emergency Services
Assistant Chair, Human Services
eniwayo@DaytonaState.edu
Ph.D., Capella University
M.S. and B.S., Fort Valley State University

Farrow, Diane (2007)
Assistant Professor, School of Applied Business
Assistant Chair, Office Administration
farrowd@DaytonaState.edu
B.S., University of Central Florida

Fehl, Leslie (2011)
Assistant Professor, School of Dental Sciences
Assistant Chair/Program Manager, Dental Assisting
fehll@DaytonaState.edu
B.S., University of Phoenix
A.S., Bryman School of Arizona

Flota, Michael W. (2005)
Associate Professor, School of Behavioral and Social Science
flotam@DaytonaState.edu
Ph.D., University of California
B.S. M.S., Southern Illinois University Edwardsville
A.S., Rend Lake College

Fortner, John (1997)
Associate Professor, School of Applied Business

fortnej@DaytonaState.edu
M.S. and B.B.A., Memphis State University

Fowler, Mary (2006)
Associate Vice President, Accounting
fowlerma@DaytonaState.edu
M.A., Nova Southeastern University
B.S., Clarion University

Frank, Veronica (2011)
Director, Budget
frankv@DaytonaState.edu
B.A., University of Central Florida
A.A., Daytona State College

Frear, Valerie (1998)
Senior Professor, School of Computer Science
frearv@DaytonaState.edu
Ph.D. and M.S., University of Akron
B.A., Walsh College
A.A.B., Stark State College of Technology

Fuqua, Muriel (1989)
Professor, School of Humanities and Communication
fuquam@DaytonaState.edu
D.Div., International Seminary
M.A. and B.A., Jackson State University

Garrison, Mary (1997)
Associate Professor, School of Health Careers and Human Services
Clinical Coordinator, Respiratory Care
garrisa@DaytonaState.edu
M.S., Nova Southeastern University
B.A., La Roche College
A.S., Community College of Allegheny County

Gay, Harriet (2010)
Instructor, School of Workforce and Continuing Education
gayh@DaytonaState.edu
Diploma, Joyland School of Beauty Culture

Giacobbe, Douglas (2001)
Associate Professor, School of Behavioral and Social Sciences
giacobd@DaytonaState.edu
M.A., B.A. and B.A.A., Florida Atlantic University
A.A., Miami-Dade Community College

Gibb, Donald (2011)
Coach, Swimming
gibbd@DaytonaState.edu
B.S., University of Florida

Gibson, Barry (1996)
Senior Professor/Assistant Chair, School of Mathematics
gibsonb@DaytonaState.edu
M.S., University of Central Florida
B.S., University of Illinois-Urbana-Champaign
A.A., Kaskasia College

Girard, Timothy (2009)
Associate Professor, School of Emergency Services
Assistant Chair / Program Manager, Defensive Tactics
Girardt@DaytonaState.edu
M.S. University of Central Florida
B.A. St. Leo College

Glover-Smith, Alma (1979)
Senior Professor, School of Adult Education
glovera@DaytonaState.edu
M.S., Nova Southeastern University
B.S., Bethune-Cookman College

Godbey, Alice (1994)
Senior Professor, School of Behavioral and Social Sciences
godbeya@DaytonaState.edu
Ed.D. and M.S., University of Central Florida
B.H.S. and A.A., University of Florida

Godfrey, Rick (1988)
Professor, School of Adult Education
godfrer@DaytonaState.edu
M.S., National-Louis University
B.B.A. and A.S., Jones College

Goetteman, Mary (1999)
Professor, School of Nursing
goettem@DaytonaState.edu
Ed.D., University of Central Florida
M.S.N. and M.S., Northern Michigan University
B.S.N., University of Wisconsin-Oshkosh

Goldstein, Samuel (1989)

Professor, School of Humanities and Communication
goldsts@DaytonaState.edu
Ph.D., University of Missouri
M.A. and B.A., University of Michigan

Grau, Paul (2002)
Associate Professor, School of Mathematics
grauP@DaytonaState.edu
M.B.A., University of Central Florida
B.S., University of Florida
A.A., Daytona State College

Gray, Sheryl (2001)
Professor, School of Nursing
Assistant Chair, Certified Nursing Assistants/ Dual Enrollment Health Career/ Practical Nursing
grays@DaytonaState.edu
M.S.N., Drexel University
B.S.N., A.D.N., Mercy College of Detroit

Graydon, Benjamin (2009)
Assistant Professor, School of Humanities and Communication
graydob@DaytonaState.edu
Ph.D. and M.A., Vanderbilt University
B.A. and B.S., Miami University of Ohio

Graham, Susan (2006)
Professor, School of Nursing
grahams@DaytonaState.edu
M.S.N., University of Phoenix
B.S.N., Dubuque University

Green, Betty (2008)
Associate Professor, School of Education
greenbe@DaytonaState.edu
Ed.D., University of Central Florida
M.S., Nova Southeastern University
B.A., University of Central Florida

Green, Yvonne (1996)
Senior Professor, School of Adult Education
greeny@DaytonaState.edu
M.S., Nova Southeastern University
B.A., Bethune-Cookman College

Greene, Betty (2010)

Assistant Professor, School of Workforce and Continuing Education
greeneb@DaytonaState.edu

Greene, James (1987)
Associate Vice President, College of Health, Human and Public Services
greenej@DaytonaState.edu
D.D., St. Xavier's Theological Seminary
M.S. and B.S., University of Central Florida
A.S. and A.A., Daytona State College

Griffin, Meghan (2011)
Assistant Professor, School of Management
griffime@DaytonaState.edu
M.B.A., Palm Beach Atlantic University
B.A., Rollins College
A.A., Valencia Community College

Griesinger, Pamela (1981)
Professor, Mike Curb College of Music, Entertainment and Art
griesip@DaytonaState.edu
M.F.A., University of South Florida
B.F.A., Pratt Institute

Grimm, Robert (2003)
Director, Governmental Relations
grimmr@DaytonaState.edu
B.A., Eckerd College

Grippa, Kim (2010)
Professor, School of Applied Business
grippak@DaytonaState.edu
J.D., Florida State University
B.S., University of New York at Albany

Gromoll, Maryann (2009)
Assistant Professor, School of Education
gromolm@DaytonaState.edu
Ed.D., University of Central Florida
M.Ed., Temple University
B.S., Bloomsburg State College

Gronert, Susan (2007)
Associate Professor, School of Humanities and Communication
groners@DaytonaState.edu
M.S., Barry University
B.A., State University College at Oswego

Grunbaum Nagiel, Max (2007)
Professor, School of Applied Business
nagielm@DaytonaState.edu
Ph.D. and M.S., University of Florida
B.S., St. John's University

Gunshanan, Francis (2002)
Professor, School of Humanities and Communication
gunshaf@DaytonaState.edu
M.A., Stetson University
B.A., Stetson University
A.A., Daytona State College
B.A., Mercer University

Hamby, Eileen (2005)
Associate Vice President, College of Business Administration
hambye@DaytonaState.edu
D.B.A., Nova Southeastern University
M.B.A., Nova Southeastern University
B.S., Hunter College

Hammond, Diane (2011)
Assistant Professor, School of Nursing
hammond@DaytonaState.edu
M.S.N. and B.S.N., Florida State University
A.A. and A.D.N, Daytona State College

Hansen, Sally (2007)
Associate Professor, School of Behavioral and Social Sciences
hansensa@DaytonaState.edu
Ph.D., University of South Carolina
B.A., Florida Atlantic University

Harden, Fred (1990)
Professor/Librarian, Library Services
hardenf@DaytonaState.edu
Ed.S., University of Florida
M.A., University of South Florida
B.A., Flagler College
A.A., Daytona State College

Harper, Ned (2005)
Director, Small Business Development Center
harpern@DaytonaState.edu
M.Ed. and B.A., Stetson University

Harrell, Steven (1984)
School of Emergency Services
Associate Professor, Criminal Justice Training
Assistant Chair, EVOC and Firearms
harrels@DaytonaState.edu
B.A., University of Central Florida
A.S., Daytona State College

Hartley, Lynn (2009)
Associate Professor, School of Education
hartlely@DaytonaState.edu
M.Ed., Florida Atlantic University
B.A., University of Florida
A.A., Palm Beach Community College

Harvey-Lents, Vanessa (2011)
Assistant Professor, School of Health Careers and Human Services
harveyv@DaytonaState.edu
M.A., Webster University
B.A., Edward Waters College

Hastie, Christina (1994)
Associate Professor/Librarian, Library Services
hastiec@DaytonaState.edu
M.S., Florida State University
M.S., Saint Leo University
A.A., Daytona State College

Henderson, Wallace (1997)
Assistant Professor, School of Mathematics
henderw@DaytonaState.edu
M.S. and B.S., University of Central Florida
A.A., Daytona State College

Hensler, Margie (2011)
Director, School of Education
henslem@DaytonaState.edu
M.S., Nova Southeastern University
B.A., Southeastern University

Henson, Denise (1983)
Senior Professor, School of Health & Wellness
hensond@DaytonaState.edu
M.A., Ohio State University
B.S., Bethune-Cookman College

Herbster, Elizabeth (2010)
Instructor, School of Adult Education
herbste@DaytonaState.edu
M.S., Florida State University
B.A., University of New York at Stony Brook

Hogan, George
Director of Resources, Information Technology
hogang@DaytonaState.edu
M.S., Dakota State University
B.S., Hampton University

Holmes, LaKisha (2007)
Instructor, School of Mathematics
holmesl@DaytonaState.edu
M.A., University of Central Florida
B.S., Spelman College

Hollins, Holly (2011)
Assistant Professor, School of Humanities and Communication
hollinh@DaytonaState.edu
M.A., University of Central Florida
B.A., University of North Carolina
A.A., Cape Fear Community College

Horikami, Sandra (1996)
Professor/Chair, School of Biological and Physical Sciences
horikas@DaytonaState.edu
Ph.D., Vanderbilt University
M.S. and B.A., University of Hawaii

Horvath, Deborah (2011)
Assistant Professor, School of Nursing
horvatd@DaytonaState.edu
M.S.N., University of Central Florida
B.S.N., University of Maryland

Howse, Tashana (2012)
Assistant Professor, School of Education
Howset@DaytonaState.edu
M.S. and B.S., Florida State University

Hyde, James (1985)
Senior Professor, School of Student Life Skills
hydej@DaytonaState.edu
M.S.Ed. and B.S., Illinois State University

A.G.S., Parkland College

Ivanov, Sasko (2008)
Instructor, School of Mathematics
ivanovs@DaytonaState.edu
M.S., University of South Florida
B.S., University of Macedonia

Iverson, Amy (2000)
Director/Bursar, Bursar's Office
iversoa@DaytonaState.edu
B.S., Florida Southern College

James, Buckley (2012)
Associate Vice President, Enrollment Development Services
jamesb@DaytonaState.edu
M.A., Fuller Theological Seminary
B.A., Palm Beach University

Jarvis, Elena (2001)
Senior Professor, School of Humanities and Communication
Student Publications Advisor
jarvise@DaytonaState.edu
M.A., California State University-Northridge
B.A., University of West Florida
A.A., Pensacola Junior College

Jenkins, Georgia (2007)
Assistant Professor, School of Emergency Services
jenkinsg@DaytonaState.edu
A.A.S. Daytona State College

Johnson, Patricia A. (2005)
Associate Professor, School of Humanities and Communication
johnsop@DaytonaState.edu
M.A. and B.A., Western Connecticut State University

Jones, Eric (2005)
Assistant Professor, School of Biological and Physical Sciences
jonese@DaytonaState.edu
M.S., University of Alabama-Huntsville
B.S., University of Southern Mississippi

Jordan, Kevin (1987)
Sr. Professor, School of Biological and Physical Sciences
jordank@DaytonaState.edu

Ph.D., University of Florida
M.S., Virginia Polytechnic Institute and State University
B.A., Cornell University

Juracek, Marek (2002)
Director of Software Development, Information Technology
juracem@DaytonaState.edu
M.S., Dakota State University
B.S., Florida State University
A.S., Daytona State College

Kayinamura, Yohani (2011)
Assistant Professor, School of Biological and Physical Sciences
kayinay@DaytonaState.edu
Ph.D., Georgetown University
B.S., La Roche College

Karda, Margaret (2008)
Assistant Professor, School of Humanities and Communication Arts
kardam@DaytonaState.edu
S.T.M., General Theological Seminary
M.A., City College of New York
B.S., Vanderbilt University

Kennedy, Keith (1984)
Dean, Student Development
kennedk@DaytonaState.edu
M.A. and B.A., University of Central Florida
A.A., Daytona State College

Kennerly, Angela (1981)
Director of Academic and Curriculum Services, Academic Affairs
kennera@DaytonaState.edu
B.S., Bethune-Cookman College

Kenyon, Lee (2010)
Assistant Professor, School of Management
Assistant Chair
kenyonl@DaytonaState.edu
M.B.A., York University
B.S., University of Western Ontario

Kester, Jessica (2007)
Associate Professor, School of Humanities and Communication
kesterj@DaytonaState.edu
M.S., DePaul University

B.S., University of the Incarnate Word

King, Roger (2010)
Instructor, School of Building and Architectural Technology
kingr@DaytonaState.edu
M.S.E., Arizona State University
B.S.I.E., University of Miami

Knappenberger, Kate (2011)
Assistant Professor, School of Health and Wellness
knappek@DaytonaState.edu
M.S., University of Utah
B.S., University of Wisconsin

Knight, Deanna (2008)
Assistant Professor, School of Applied Business
knightd@DaytonaState.edu
M.Acc., University of Mississippi
B.B.A., Delta State University

Koeneke-Ramirez, Robert (2010)
Assistant Professor, School of Engineering Technology
koenekr@DaytonaState.edu
M.S.C., University of Santa
B.S., Universidad Simon Bolivar, Venezuela

Koosak, Tara (2008)
Assistant Professor, School of Humanities and Communication
koosakt@DaytonaState.edu
M.S., Southern Illinois University
B.S., Murray State University

Korbich, Kathleen (2011)
Assistant Professor, School of Mathematics
korbick @DaytonaState.edu
M.A., Kutztown University
B.S., Bloomsburg University

Kraskin, Richard (2005)
Associate Professor, School of Humanities and Communication
kraskir@DaytonaState.edu
M.A., Rutgers Newark
B.S., Kean College

Kurtz, Brianna (2007)
Associate Professor, School of Mathematics

 kurtzb@DaytonaState.edu
M.S., University of Nevada, Reno
B.S., Vanderbilt University

Lala, Shirish (2009)
Assistant Professor, School of Health Careers and Human Services
lalas@DaytonaState.edu
M.H.S., University of Florida
B.O.T., Maharashtra University of Health Science

Landon, Benjamin (2007)
Associate Professor, School of Mathematics
landonb@DaytonaState.edu
Ph.D, M.S. and B.S., University of Central Florida

Latimer, Charlene (1992)
Senior Professor/Chair, School of Student Life Skills
latimec@DaytonaState.edu
Ed.S., University of Florida
M.S., Hunter College
B.S., Binghamton University

Lauterman, Frank (2009)
Assistant Professor, Hosseini College of Hospitality Management
lauterf@DaytonaState.edu
M.B.A., B.B.A. and A.A., American Intercontinental University

Lazarus, Kathleen (1987)
Senior Professor, School of Humanities and Communication
lazaruk@DaytonaState.edu
Ed.D., University of Central Florida
M.A. and B.A., Kent State University

Lear, Wanda (1999)
Professor, School of Nursing
learw@DaytonaState.edu
M.S.N. and B.S.N., University of Kentucky
A.A.S., University of Kentucky

Lee, Michelle (2009)
Assistant Professor, School of Humanities and Communication
leem@DaytonaState.edu
Ph.D. and M.A., University of Texas
B.A., University of Maryland

Lempel, Leonard (1996)

Professor, School of Behavioral and Social Sciences
lempell@DaytonaState.edu
Ph.D. and M.A., Syracuse University
B.A., University of Akron

Leonard, Kristina (1992)
Senior Professor, School of Student Life Skills
 leonark@DaytonaState.edu
M.Ed. and B.S., University of Pittsburgh

Lewis, Joy (2009)
Assistant Professor, School of Education
lewisjo@DaytonaState.edu
Ed.D., Nova Southeastern University
M.Ed. and B.S, University of Central Florida

LoBasso, Thomas (2001)
Senior Vice President, Student Development and Institutional Effectiveness
lobasst@DaytonaState.edu
Ed.D., University of Central Florida
M.S., Sage Colleges
B.A., East Stroudsburg University
A.A., Keystone College

Lombardo, Roberto (1997)
Senior Vice President, Information Technology
lombarr@DaytonaState.edu
M.Ed., University of Florida
B.A., Warner Southern College
A.S., Daytona State College

Lovell, Peter (2007)
Associate Professor, School of Biological and Physical Sciences
lovellp@DaytonaState.edu
Ph.D. and B.S., University of Calgary

Luby, Carole (2002)
Counselor, Student Disability Services
lubyc@DaytonaState.edu
Ed.D. University of Florida
M.A. University of South Florida
M.S., Stetson University
B.A., Florida Southern College

Magoulas, Costa (2011)
Dean, Mori Hosseini College of Hospitality Management

magoulc@DaytonaState.edu
M.H.A., University of Nevada Las Vegas
B.A., Warner Southern College

Maher, Patricia (2012)
Associate Professor/Assistant Chair, School of Emergency Medical Services
maherp@DaytonaState.edu
M.P.A., University of San Francisco
B.A., California State University

Mamillapalle, Karthikeya (2008)
Associate Professor, School of Mathematics
mamillk@DaytonaState.edu
Ph.D., Florida Institute of Technology
M.S. and B.S., Sathya Sai University

Manhart, Sabrina (2006)
Coach, Women's Softball
manhars@DaytonaState.edu
M.H.S., Nova Southeastern University
B.S., Bethune-Cookman College
A.A., Daytona State College

Marek, Paulette (2006)
Associate Professor, School of Humanities and Communication
marekp@DaytonaState.edu
M.Ed., University of Florida
B.A., University of Michigan
B.A., Michigan State University

Maring, Bruce (2003)
Professor, School of Biological and Physical Sciences
maringb@DaytonaState.edu
D.C., National College of Chiropractic
B.S., National College of Chiropractic
A.A., Broward Community College

Markham, Reed (2007)
Associate Professor, School of Humanities and Communication
markhar@DaytonaState.edu
M.P.A., University of Southern California
M.A., B.A. and A.A., Brigham Young University

Marrow, Patricia (1997)
Professor, School of Nursing
marrowp@DaytonaState.edu

M.A., University of Central Florida
B.S.N., Southern Adventist University

Mattox, Marla (2008)
Associate Professor, School of Nursing
mattoxm@DaytonaState.edu
M.S.N., Ball State University
B.S.N., Indiana University
A.S.N., Ivy Tech State College

May, Donald (2010)
Associate Professor, School of Education
mayd@DaytonaState.edu
Ed.D., University of Central Florida
M.A. and B.A., University of Florida

Maxwell, Jennifer (1997)
Associate Professor/ Assistant Chair, School of Adult Education
maxwelj@DaytonaState.edu
M.A., University of Central Florida
B.A., University of Florida

McCarthy, Peter (1998)
Associate Vice President, Facilities Services and Risk Management
mccartp@DaytonaState.edu
M.B.A., Hofstra University
B.B.A., University of Notre Dame

McCloud, Clarence (2012)
Director of Campus Services, New Smyrna Campus
mcclouc@DaytonaState.edu
M.S., Nova Southeastern University
B.S., Bethune Cookman College

McCraney, Michelle (2001)
Associate Vice President, Division of Library and Academic Support
mccranm@DaytonaState.edu
Ed.D. and M.S., Nova Southeastern University
B.S., University of Central Florida
A.A., Daytona State College

McCrary, Kevin (2012)
Dean, Financial Aid Services
mccrark@DaytonaState.edu
M.B.A., Nova Southeastern University

B.S., Bethune Cookman College
A.A., Daytona State College

McDonough, Melanie (1989)
Assistant Professor, School of Health Careers and Human Services
Assistant Chair, Radiography
mcdonom@DaytonaState.edu
M.S., B.S., A.A., University of Central Florida

McGrane, Heather (2001)
Professor, School of Humanities and Communication
eatonh@DaytonaState.edu
Ph.D., University of Central Florida
M.A., Stetson University
B.A., University of Central Florida
A.A., Daytona State College

McKeown, Michael (2001)
Assistant Professor, School of Behavioral and Social Sciences
mckeowm@DaytonaState.edu
M.S., Nova Southeastern University
B.A., University of Florida
A.A., Santa Fe Community College

Meeks, Grady (2011)
Assistant Professor, School of Management
meeksg@DaytonaState.edu
E.M.B.A. and B.S., University of Central Florida
A.S., Daytona State College

Mehrabian, Ali (2010)
Assistant Professor, School of Engineering Technology
mehraba@DaytonaState.edu
Ph.D., The University of Arizona
M.S. and B.S., San Jose State University

Mercer, J. Frank (1988)
Director, Center for Business & Industry
mercerf@DaytonaState.edu
B.S., University of Florida
A.S. and A.A., Daytona State College

Mercer, Louie (1999)
Director/Chair, School of Emergency Services
mercerlo@DaytonaState.edu
M.P.A. and B.A., University of Central Florida

A.A., Daytona State College

Mercier, Joanna (2012)
Assistant Professor, School of Nursing
merciej@DaytonaState.edu
M.S.N., University of Phoenix
B.S.N., University of Central Florida
A.D.N., Florida Hospital College

Miles, Linda Dianne (1999)
Professor/Chair, School of Nursing
milesl@DaytonaState.edu
Ed.D., University of Central Florida
M.S., University of Maryland at Baltimore
B.S.N., University of Maryland Baltimore County
R.N., Daytona State College

Miller, Kevin (1997)
Director, Southeast Museum of Photography
Professor, School of Photography
millerk@DaytonaState.edu
M.F.A., Southern Illinois University-Carbondale
G.D.A. and B.A., Phillip Institute of Technology

Miltenberger, Kathy (2010)
Instructor, School of Workforce and Continuing Education
miltenk@DaytonaState.edu
Diploma, Daytona Beauty School

Mixer, Daniel (2011)
Instructor, Mike Curb College of Music, Entertainment and Art
mixerd@DaytonaState.edu
B.B.A., Belmont University

Monroe, Gary (1987)
Senior Professor, School of Photography
monroeg@DaytonaState.edu
M.F.A., University of Colorado
B.A., University of South Florida

Montgomery, Isalene (2001)
Vice President, Finance
montgoi@DaytonaState.edu
M.B.A., Webster University
B.A., Benedict College

Page 32 of 54

Moore, Karla (2010)
Dean, Academic Assessment and Planning
moorek@DaytonaState.edu
Ph.D. and M.S., University of Central Florida
B.S., UNEXPO University, Venezuela

Moore, Theresa (2008)
Associate Professor, School of Management
mooreta@DaytonaState.edu
J.D., University of the Pacific
M.A., Antioch University
B.S., Indiana University

Moorhouse, Kenneth (2004)
School of Emergency Services
Assistant Professor, Emergency Medical Services
moorhok@DaytonaState.edu
B.A.S., A.A., A.S. and EMS, Daytona State College

Morgan, Nancy (1999)
Associate Vice President, Institutional Effectiveness
morgann@DaytonaState.edu
Ed.D., M.B.A. and B.A., University of Central Florida

Morrissey, Aileen (2007)
Director, Financial Aid Services
morrisa@DaytonaState.edu
M.B.A., Stetson University
B.S., Kean University of New Jersey

Morrison, Ronald (1998)
Senior Professor /Chair, School of Behavioral and Social Sciences
morrisr@DaytonaState.edu
Ph.D., Texas Tech University
B.A., University of Central Florida
A.A., Daytona State College

Morton, Bruce (2005)
Assistant Professor, School of Behavioral and Social Sciences
mortonb@DaytonaState.edu
M.A.T., University of Florida
B.A., University of South Florida

Moss, Linda (1990)
Assistant Professor, School of Health Careers and Human Services
mossl@DaytonaState.edu

B.S., University of Central Florida
A.A. and A.S., Daytona State College

Motlagh, Bahman (2010)
Associate Professor, School of Engineering Technology
motlagb@DaytonaState.edu
Ph.D. and M.S., University of Central Florida
B.S., Istambul Academy of Sciences, Turkey

Mottler, Tamara (2007)
Associate Professor, School of Health Careers and Human Services
Assistant Chair, Medical Assisting
mottlet@DaytonaState.edu
B.A., Elon University
A.S., West Virginia Career College

Mounkurai, Thaddeaus (1997)
Professor, School of Applied Business
mounkut@DaytonaState.edu
Ed.D. and M.A., West Virginia University
M.B.A. and B.S., University of Tulsa

Murphy, Patricia (2006)
Professor, School of Nursing
murphyp@DaytonaState.edu
Ed.D and M.S., Boston University
B.S.N., University of Vermont

Murray, Barbara (1989)
Senior Professor, School of Humanities and Communication
murrayb@DaytonaState.edu
M.A., University of North Dakota
B.A., University of Texas-Arlington

Musyimi, Jackson (2012)
Associate Professor, School of Management
musyimj@DaytonaState.edu
D.B.A., Argosy University
M.A., Webster University
B.S., Webber International University

Myers, Theresa (1983)
Sr. Professor, School of Humanities and Communication
myerste@DaytonaState.edu
Ph.D., Indiana University of Pennsylvania

M.A., Université de Paris – III Sorbonne
B.A., University of Maryland
B.A., Université de Paris – III Sorbonne

Nayar, Ram (1994)
Senior Professor, School of Biological and Physical Sciences
Director, Academic Sponsored Research
nayarr@DaytonaState.edu
Ph.D., Howard University
M.S., Roosevelt University
M.Sc., MLB College

Newell, James (2006)
Assistant Professor, School of Humanities and Communication
newellj@DaytonaState.edu
M.A., California State University, San Marcos
B.A., Flagler College

Niceley, James (2008)
Assistant Professor, Mike Curb College of Music, Entertainment and Art
Assistant Chair, Music Production
nicelej@DaytonaState.edu
B.S., The School of The Ozarks

Nunes, Nicholas (1992)
Senior Professor, School of Student Life Skills
nunezn@DaytonaState.edu
M.S., University of Southern California
B.A., John Carroll University

Oehmke, Mary (2003)
Professor, School of Nursing
oehmkem@DaytonaState.edu
M.S.N., Medical College of Ohio
B.S.N., Lourdes College

Offiah-Hawkins, Sandra (1993)
Senior Professor, School of Humanities and Communication
offiahs@DaytonaState.edu
M.A.T. and B.A., Jackson State University

Olshefski, Mary (1995)
Professor, School of Health and Wellness
olshefm@DaytonaState.edu
M.S., University of Kansas
B.S., Florida State University

Olson, Michael (2012)
Associate Professor, School of Biological and Physical Sciences
olsonmi@DaytonaState.edu
Ph.D., Utah State University
B.S., University of Utah

Orndorff, Harold III (2011)
Assistant Professor, School of Behavioral and Social Sciences
orndorh@DaytonaState.edu
Ph.D. and M.A., Miami University of Ohio
B.S., Northern Kentucky University

Osmon, Amy (2007)
Associate Professor, School of Behavioral and Social Sciences
osmona@DaytonaState.edu
Ph.D., University of South Florida
M.A., University of South Florida
B.A., Ohio State University

Overbey, Margaret (1987)
Associate Professor, School of Mathematics
overbem@DaytonaState.edu
M.Ed. and B.S., North Carolina State University

Owens, Rachel C. (2004)
Associate Professor/Librarian, Library Services
owensr@DaytonaState.edu
M.D., West Virginia University
M.L.I.S, Florida State University
M.B.A., University of Central Florida
M.S. and B.S., Marshall University

Pan, Clarence (2002)
Professor, Mori Hosseini College of Hospitality Management
panc@DaytonaState.edu
M.S., Southern Illinois University
B.A., Guangzhou Conservatory of Music
A.O.S., Culinary Arts Institute of America

Pareja, Victor (2004)
Assistant Professor, School of Mathematics
parejav@DaytonaState.edu
M.S., University of Central Florida
B.A., University of Miami

Parham, Bettye (1987)
Professor, School of Computer Science
parhamb@DaytonaState.edu
M.S., Andrews University
B.A., Oakwood College

Parish, Janet (1997)
Associate Vice President, Business Services
parishj@DaytonaState.edu
B.S., Embry-Riddle Aeronautical University

Pate, Susan (1980)
Associate Vice President, College of Arts and Sciences
pates@DaytonaState.edu
M.S., Medical University of South Carolina
B.A., Eastern Connecticut State College

Paul, Anindya (2003)
Associate Professor/Chair, School of Technology
paula@DaytonaState.edu
M.S./M.M.I.S. and B.S. Georgia College & State University

Peacock, Dallas (1993)
Professor, School of Building and Architectural Technology
peacocd@DaytonaState.edu
M.ARCH., University of Minnesota

Perea, Elaine (2010)
Associate Professor, School of Behavioral and Social Sciences
pereae@DaytonaState.edu
Ph.D. and M.A., Arizona State University
B.A., St. John's College

Perera, Sirani (2012)
Associate Professor, School of Mathematics
pereras@DaytonaState.edu
Ph.D., University of Connecticut
M.S., University of Cambridge
B.S., University of Sri Jayewardenepura

Peterson, Carole (2010)
Assistant Professor, School of Nursing
petersca@DaytonaState.edu
M.S.N., Florida State University
B.S.N., Ball State University

Peterson, Claire A. (2005)
Associate Professor, School of Dental Sciences
Assistant Chair/Program Manager, Dental Hygiene
petersc@DaytonaState.edu
M.S., University of North Carolina at Chapel Hill
B.S., University of North Florida
A.S., Santa Fe Community College
A.S., Indian River Community College

Peterson, Douglas (1985)
Senior Professor/Chair, Mike Curb College of Music, Entertainment and Art
petersd@DaytonaState.edu
D.M. and M.M., Indiana University
B.M., North Texas State University

Petracca, Gail (2010)
Assistant Professor, School of Nursing
petracg@DaytonaState.edu
M.S.N, Walden University
B.S.N, University of Phoenix

Petropouleas, Nick (2005)
Associate Professor/Assistant Chair, School of Behavioral and Social Sciences
petropn@DaytonaState.edu
M.A., University of Miami
B.A., University of South Florida
A.A., Daytona State College

Picione, John (2007)
Professor, School of Biological and Physical Sciences
picionj@DaytonaState.edu
Ph.D. and M.S., University of Illinois
B.S., University of Wisconsin

Piazza, Vicenzo (2006)
Associate Professor, School of Humanities and Communication
piazzav@DaytonaState.edu
M.A. and B.A., La Sapienza University of Rome

Pietras, Mitch
Professor/Counselor, College of Business Administration
pietrami@DaytonaState.edu
M.Ed., Springfield College
B.S., Eastern Connecticut State University

Pinkston-McDuffie, Joanne (1981)

Senior Professor, School of Humanities and Communication
pinkstj@DaytonaState.edu
Ed.D., Nova Southeastern University
M.A.T., Jackson State University
B.A., Mississippi Valley State University

Pintello, Timothy (2001)
Associate Professor, School of Computer Science
Assistant Chair, Computer Networking
pintelt@DaytonaState.edu
M.Div., New Orleans Baptist Theological Seminary
B.S., Bryan College

Pollitt, Mark (2010)
Associate Professor, School of Engineering Technology
pollitm@DaytonaState.edu
M.S., Syracuse University
B.S., Cornell University

Popp, Cornelia (1987)
Associate Professor, School of Technological and Occupational Programs
Cosmetology & Nail Specialty
Assistant Chair, Cosmetology and Nail Specialty
poppc@DaytonaState.edu
B.S., University of Central Florida
A.A., Daytona State College

Posick, James (2002)
Professor, College of Workforce and Continuing Education
Assistant Chair, Automotive Service Management Technology
posickj@DaytonaState.edu
B.S. and M.A., University of Central Florida
A.A., Daytona State College
A.S., Seminole Community College

Potter, Leslie (2009)
Associate Professor/Chair, School of Education
potterl@DaytonaState.edu
Ed.D. and Ed.S., University of South Carolina
M.Ed., University of North Florida
M.A., The George Washington University
B.A., St. Mary's College of Maryland

Presswood, Kristy (1993)
Associate Vice President, College of Education
presswk@DaytonaState.edu

Ph.D., University of Florida
M.B.A. and B.S., University of Central Florida
A.A., Daytona State College

Raborn, Sandra (1986)
Professor, School of Health and Wellness
raborns@DaytonaState.edu
M.S.S., United States Sports Academy
M.S. and B.S., Indiana University

Raffaelo, Roger (1995)
Associate Professor, School of Technological and Occupational Programs
Air Conditioning, Refrigeration and Heating Technology
raffaer@DaytonaState.edu
A.S., Daytona State College

Rahrooh, Alireza (2010)
Associate Professor, School of Engineering Technology
rahrooa@DaytonaState.edu
Ph.D., M.S. and B.S., University of Akron

Reese, Andrea (2006)
Associate Professor, School of Mathematics
Chair, Honors College
reesea@DaytonaState.edu
Ph.D., Florida Institute of Technology
M.S., Bowling Green State University
B.S., John Carroll University

Regnier, Nancy (1995)
Associate Professor, School of Nursing
regnien@DaytonaState.edu
M.S.N. and B.S.N., California State University-Chico

Reilly, Karen (2001)
Professor, School of Nursing
reillyk@DaytonaState.edu
M.S.N. and B.S.N., University of Central Florida
B.S., Western Michigan University
A.S., Daytona State College

Repyneck, Ethan (2005)
Associate Professor, School of Mathematics
repynee@DaytonaState.edu
B.S. and M.A., University of Central Florida
A.A., Daytona State College

Riban, David (1993)
Professor, School of Biological and Physical Sciences
riband@DaytonaState.edu
Ph.D. and M.S., Purdue University
M.A., University of Michigan
B.S., Northern Illinois University

Richardson, Todd (2011)
Assistant Professor, School of Applied Business
richart@DaytonaState.edu
J.D. and B.A., Stetson University

Ridilla, Pamela (1996)
Professor/Chair, School of Dental Sciences
ridillp@DaytonaState.edu
M.S. and B.A., University of Central Florida
A.S., Pensacola Junior College

Rimstidt, Geraldine (2006)
Associate Professor/Chair, School of Health Careers and Human Services
rimstig@DaytonaState.edu
M.S., University of Florida
B.S., Hartwick College

Ringue, Amy (2011)
Instructor, School of Education
ringuea@DaytonaState.edu
Ph.D., Georgia State University
M.A.T. and B.A., Emory University

Rivera, Miguel (2006)
Director, Student Disability Services
riveram@DaytonaState.edu
M.S., Nova Southeastern University
B.A., Temple University

Rivers, Evan (2006)
Professor/Chair, School of Humanities and Communication
riverse@DaytonaState.edu
D.A., M.A. and B.A., University at Albany, SUNY

Rock, Timothy (2001)
Associate Professor, School of Computer Science
rockt@DaytonaState.edu
M.S., Nova Southeastern University

Page 41 of 54

B.S., Stetson University

Roddy, George (1980)
Professor, School of Technological and Occupational Programs
Air Conditioning, Refrigeration and Heating Technology
roddyg@DaytonaState.edu
A.S., Daytona State College

Roos, Mark (2011)
Assistant Professor, School of Biological and Physical Sciences
roosm@DaytonaState.edu
Ph.D., University of Alabama
B.S., University of Central Florida
A.A., Indian River Community College

Rosati, Lillian (2009)
Associate Professor/Assistant Chair, School of Nursing
rosatil@DaytonaState.edu
Ed.D., M.A. and M.S.N, University of Phoenix
B.S., Our Lady of Angels College

Rothstein, Jared (2012)
Associate Professor, School of Behavioral and Social Sciences
rothstj@DaytonaState.edu
Ph.D., Emory University
B.A., Oklahoma University

Rowan, Roger (1996)
Chair, Workforce Careers/Occupational Apprenticeships
Associate Professor, Manufacturing Technology
rowanr@DaytonaState.edu
A.S. and A.A., Daytona State College

Roy, Patrick (2008)
Assistant Professor, School of Humanities and Communication
royp@DaytonaState.edu
M.A., Emerson College
B.S., Northeastern University
A.A., Post Junior College

Ryan, Kent (2007)
Dean of Campus Services, Flagler/Palm Coast Campus
ryank@DaytonaState.edu
M.B.A., Webster University
B.B.A., Florida Atlantic University
A.A., Robert Morris

Samitamana, Ravi (2009)
Associate Professor, School of Applied Business
samitar@DaytonaState.edu
Ph.D, M.B.A. and M.A., University of Illinois
B.A., Chulalongkorn University

Sanders, Karen (2000)
Director, Admissions/Recruitment
sanderk@DaytonaState.edu
Ed.D., and M.B.A., University of Central Florida
B.S., Embry-Riddle Aeronautical University

Saum, Robert (2002)
Executive Director of Instructional Resources, Information Technology
saumr@DaytonaState.edu
D.Div. and M.A., South Florida Bible College and Theological Seminary
B.S. Florida State University

Saunders, Jeanne F.
Professor, School of Nursing
saundej@DaytonaState.edu
Ed.D., Nova Southeastern University
M.S.N., University of Phoenix
B.S.N., Medical College of Virginia
A.A.S., JS Reynolds Community College

Savicki, Gail (1985)
Director, Facilities Services
savickg@DaytonaState.edu
B.A.., Warner Southern College
A.S., Daytona State College

Saviuk, Walter (1997)
Associate Professor, School of Biological and Physical Sciences
saviukw@DaytonaState.edu
D.C., New York Chiropractic College
B.S., York College

Saylor, Christel (1995)
Professor, School of Mathematics
saylorc@DaytonaState.edu
M.S., University of Central Florida
B.S., Florida Institute of Technology

Scott, Ursula (2001)

Professor, School of Humanities and Communication
scottu@DaytonaState.edu
Ph.D., Capella University
M.S., Nova Southeastern University
B.A., South Carolina State University

Seiler, Jayanti (2011)
Assistant Professor, School of Photography
seilerj@DaytonaState.edu
M.F.A., University of Florida
B.F.A., Rhode Island School of Design

Shoff, Harry (1998)
Associate Professor, School of Humanities and Communication
shoffh@DaytonaState.edu
Ph.D., Indiana University
M.S., Clarion University of Pennsylvania
B.A., Colgate University

Sinnott, John (1998)
Assistant Professor, School of Mathematics
sinnotj@DaytonaState.edu
M.Ed., University of Central Florida
B.S., Northwestern University College

Sledge, Janet (1992)
Director, Assessment Services
sledgej@DaytonaState.edu
M.S., Kansas State University
B.A., California State University, Sacramento
A.A., American River College

Smith, Brian (2002)
Professor, School of Mathematics
smithbr@DaytonaState.edu
M.A.T. and B.S., University of Florida
A.A., Broward Community College

Smith, Richard (2008)
Instructor, School of Health Careers and Human Services
smithr@DaytonaState.edu
B.S., Florida State University

Smith, Steven (1983)
Senior Professor, School of Applied Business
smithst@DaytonaState.edu

M.A. and B.S., Eastern Kentucky University

Smith, William (2007)
Associate Professor, College of Workforce and Continuing Education
smithwi@DaytonaState.edu

Smith, Willis (1995)
School of Emergency Services
Assistant Chair/Assistant Professor, Criminal Justice Training
smithbi@DaytonaState.edu
M.S. and B.S., Rollins College
A.S., Daytona State College

Sofianos, Theodore (2005)
Director, Resource Development
sofiant@DaytonaState.edu
Ph.D., University of Florida
M.A., Fairfield University
B.A., SUNY Plattsburgh

Stern, Samantha (2012)
Assistant Professor, Mike Curb College of Music, Entertainment and Art
sterns@DaytonaState.edu
M.F.A., University of Central Florida
B.S., Cornell University

Stewart, Suzanne (1987)
Senior Professor, School of Modern Languages
stewars@DaytonaState.edu
M.A. and B.A., University of South Florida

Stryker, Judson (2011)
Assistant Professor, School of Mathematics
strykej@DaytonaState.edu
Ph.D. and M.S., Florida State University
M.S., Georgia Institute of Technology
B.S., Stetson University

Stupack, Sherry (2008)
Associate Professor, School of Nursing
stupacs@DaytonaState.edu
M.S.N., Walden University
B.S.N., Jacksonville University
B.S., University of Central Florida
A.A. and A.S., Daytona State College

Full-time Faculty and Administration

Sui, Luke (2002)
Professor, School of Computer Science
suil@DaytonaState.edu
M.S., University of Bridgeport
B.S., South China Science and Technology University

Swain, Tom (2010)
Associate Professor, School of Biological and Physical Sciences
swaint@DaytonaState.edu
Ph.D. and M.A., University of Colorado
B.A., Metropolitan State College

Sweet, Erik (2007)
Associate Professor, School of Mathematics
sweete@DaytonaState.edu
Ph.D., University of Central Florida
M.A. and B.S., Minnesota State University

Swihart, Aaron (2011)
Instructor, Mike Curb College of Music, Entertainment and Art
swihara@DaytonaState.edu
B.S., Taylor University

Tamburro, Richard (1998)
Professor, School of Mathematics
tamburr@DaytonaState.edu
Ed.D., University of Central Florida
M.S., Mansfield University
B.S., University of Central Florida
A.A., Seminole Community College

Tata, Diana (2009)
Assistant Professor, School of Biological and Physical Sciences
tatad@DaytonaState.edu
Ph.D., Florida Institute of Technology
B.S., Coastal Carolina University

Tattner, Nancy (2010)
Associate Professor/Assistant Chair, School of Education
tattnen@DaytonaState.edu
Ed.D., University of Central Florida
M.S., Nova Southeastern University
B.A., Loyola College
Diploma in Education, McGill University

Taylor, Rodney (2008)

Associate Professor, School of Mathematics
taylorro@DaytonaState.edu
Ph.D., M.A. and B.A., University of South Florida

Tesauro, John J. (2005)
Associate Professor, College of Workforce and Continuing Education
Assistant Chair, Automotive Services Management Technology
tesaurj@DaytonaState.edu
B.S., University of Central Florida
A.A., Daytona State College

Thomas, Harun (2008)
Assistant Professor, School of Humanities and Communication
thomash@DaytonaState.edu
Ph.D., M.A., B.A. and B.S., University of Florida
A.A., Indian River Community College

Thomas, Nancy (1981)
Senior Professor, School of Health Careers and Human Services
Assistant Chair, Health Information Management and Medical Information Coder/Biller
thomasn@DaytonaState.edu
Ed.D., Nova University
M.Ed. University of Central Florida
B.S., Illinois State University
B.A., Luther College

Thompson, Lonnie (2012)
Director, Equity and Inclusion
thompsl@DaytonaState.edu
M.P.A., Indiana University
B.A., Fort Valley State University

Thomason, Pamela (2006)
Assistant Professor, School of Adult Education
thomasp@DaytonaState.edu
M.A. and B.A., Seton Hill University

Thornton, Tracey (2008)
Assistant Professor, School of Humanities and Communication
thorntt@DaytonaState.edu
M.A. and B.A., Old Dominion University

Threatt-Milton, G. Iris (2012)
Assistant Professor, School of Student Life Skills
threatg@DaytonaState.edu
Ph.D., University of Florida

M.M.E., Florida State University
B.A., Bethune-Cookman College

Tighe, Sharon (1995)
Senior Professor, School of Nursing
tighes@DaytonaState.edu
Ed.D. and M.N., University of Florida
B.S.N., University of Central Florida
A.A. and A.S., Daytona State College

Tillard, William (1998)
Director, Campus Safety
tillarw@DaytonaState.edu
B.S., Bethune-Cookman College
A.S., Daytona State College

Tillman, Ericka (2012)
Associate Professor, School of Management
tillmae@DaytonaState.edu
D.B.A., Argosy University
M.B.A., Webster University
B.S., Bethune-Cookman College

Titus, Kim (1990)
Senior Professor, School of Applied Business
Assistant Chair, Accounting and Economics
titusk@DaytonaState.edu
M.B.A. and B.S., University of Central Florida
A.A., Daytona State College

Touma, Tim (2001)
Coach, Men's Baseball
toumat@DaytonaState.edu
B.S., University of Florida
A.A., Palm Beach Community College

Towell, Lavaughn (2011)
Assistant Professor, School of Humanities and Communications
towelll@DaytonaState.edu
Ph.D. and M.A., University of Tulsa
B.A., Northeastern State University
A.A., Tulsa Community College

Tripp, Ginger (2003)
Associate Professor, School of Health Careers and Human Services
Clinical Coordinator, Physical Therapist Assistant

Page 48 of 54

trippg@DaytonaState.edu
M.S., University of Akron
B.S., Ohio State University

Troian, Timothy (2008)
School of Emergency Services
Assistant Professor, Emergency Medical Services
Assistant Chair, First Responder
troiant@DaytonaState.edu
B.A. University of Central Florida
A.A. Daytona State College

Tucker, Winnnie (1994)
Professor, School of Nursing
tuckerwi@DaytonaState.edu
M.S.N., University of Florida
B.S.N., Molloy College
A.A., Nassau Community College

Tulsian, Gajendra (2002)
Associate Professor, School of Biological and Physical Sciences
tulsiag@DaytonaState.edu
Ph.D. and M.B.A., University of Florida
M.S. and B.S., University of Mysore

Twyman, Catherine (2003)
Associate Professor, School of Health Careers and Human Services
Assistant Char, Early Childhood Education
trippg@DaytonaState.edu
M.S., University of Akron
B.S., Ohio State University

Urff, Eric (1993)
Associate Vice President, Information Services
urff@DaytonaState.edu
M.S., Dakota State University
B.S., University of Florida

Valloze, Judith (1998)
Senior Professor, School of Nursing
vallozj@DaytonaState.edu
M.S.N. and B.S., Russell Sage College
A.S., Daytona State College

Van Dusen, Laurie (1986)
Director, Benefits

vandusl@DaytonaState.edu
Ed.D., M.P.A. and B.A., University of Central Florida
A.A., Daytona State College

Veiga, Kevin (1998)
Senior Professor, Mike Curb College of Music, Entertainment and Art
veigak@DaytonaState.edu
M.F.A., Florida State University
B.F.A., City College of New York
B.S., University of Massachusetts

Velazco, Scott (2012)
Instructor, Mike Curb College of Music, Entertainment and Art
velazcs@daytonastate.edu
B.M., Belmont University

Vergani, Myra (2007)
Associate Professor, School of Health and Wellness
verganm@DaytonaState.edu
M.S. and B.S., Winthrop University

Vitale, Michael (1990)
Senior Vice President, Academic Affairs
vitalem@DaytonaState.edu
Ph.D. and M.A., University of South Florida
B.A., University of Northern Colorado

Vollaro, Richard (2007)
Assistant Professor, School of Humanities and Communication
vollarr@DaytonaState.edu
M.A. and B.S., University of Central Florida

Wagner, Robert (2007)
Associate Professor, School of Health Careers and Human Services
Assistant Chair, Physical Therapist Assistant
wagnerr@DaytonaState.edu
D.P.T., Temple University
M.P.T., Hahnemann University
B.A., LaSalle University

Waidelich, Peter (2005)
Associate Professor, Mike Curb College of Music, Entertainment and Art
Assistant Chair, Music
waidelp@DaytonaState.edu
M.M., Florida State University
B.A., Stetson University

Walsh, Jennifer (1992)
Senior Professor, School of Mathematics
walshj@DaytonaState.edu
Ed.S. and M.B.A., Stetson University
B.A., The College of New Jersey

Warren, M. Kathleen (1995)
Associate Professor, School of Biological and Physical Sciences
warrenk@DaytonaState.edu
D.H.S.C., Nova Southeastern University
M.S., Texas A&M University
B.S., University of Florida
A.A., Okaloosa-Walton Community College

Warren, Winston (2008)
School of Emergency Services
Associate Professor, Emergency Medical Services
warrenw@DaytonaState.edu
D.H.S., Nova Southeastern University
M.A. Buffalo State College
B.A. D'Youdille College

Waymire, Linda (2001)
Associate Professor, School of Mathematics
waymirel@DaytonaState.edu
M.Ed., Georgia Southern University
B.A., University of Central Florida
A.A., Daytona State College

Weaver, Natalie (2001)
Associate Professor, School of Mathematics
weavern@DaytonaState.edu
M.S., Nova Southeastern University
B.S., Florida State University

Weeks, Dustin (1989)
Senior Professor/Librarian, Library Services
Coordinator, Faculty Development
weeksd@DaytonaState.edu
M.S. and B.A., Florida State University
A.A., Daytona State College

Weir, David (2008)
Associate Professor, Mori Hosseini College of Hospitality Management
weird@DaytonaState.edu

M.B.A., Belhaven College
B.S., University of Florida
A.S.T., Restaurant School

Weiss, John (2008)
Assistant Professor, School of Applied Business
Assistant Chair, Business Administration
weissj@DaytonaState.edu
M.B.A., Florida Institute of Technology
B.S.B.A., University of Central Florida
A.A., Valencia Community College

Wesley, Laurance (1984)
Associate Professor, School of Student Life Skills
wesleyl@DaytonaState.edu
M.A., Atlanta University
B.A., Bethune-Cookman College

Wetherell, William (2007)
Dean of Campus Services, DeLand Campus
Chair, School of Applied Business
wetherb@DaytonaState.edu
M.Ed., Nova University
B.S., Florida State University

Whitaker, Christopher (2008)
Associate Professor, School of Behavioral and Social Sciences
whitakc@DaytonaState.edu
M.A., B.A., Florida State University
A.A., Tallahassee Community College

White, Laurie (2012)
Director/Public Information Officer, Marketing
whitel@DaytonaState.edu
M.S., B.S., Rochester Institute of Technology
A.S., Monroe Community College

Whitwam, Eileen (1992)
Professor, School of Nursing
whitwae@DaytonaState.edu
M.S.N., University of Florida
B.S.N., University of Central Florida
A.A., Daytona State College
A.S.N., Broward Community College

Wight, Julie (1990)

Professor, School of Adult Education
wightj@DaytonaState.edu
M.S., Kansas State University
B.S., University of North Carolina-Wilmington

Wilke, Deborah (2000)
Professor, School of Humanities and Communication
wilked@DaytonaState.edu
M.S., Nova University
B.A., Carson-Newman College

Williams, Reginald (2000)
Associate Professor, School of Humanities and Communication
williar@DaytonaState.edu
M.F.A., Bowling Green State University
B.G., Ohio University

Wolfe, Lori (2000)
Director, Academic Assessment
wolfel@DaytonaState.edu
M.S.M., Capella University
B.S., University of Central Florida
A.A., Daytona State College

Woodall, Debra (2008)
Associate Professor, School of Biological and Physical Sciences
Assistant Chair, Institute of Marine and Environmental Studies
woodald@DaytonaState.edu
Ph.D., Florida Institute of Technology
M.S., Louisiana State University
B.S. Louisiana Tech University

Wygant, Ted (1996)
Professor, Mike Curb College of Music, Entertainment and Art
wygantt@DaytonaState.edu
M.A., University of Missouri-Columbia
B.A., Ohio State University

Yousef, Nabeel (2010)
Associate Professor, School of Engineering Technology
yousefn@DaytonaState.edu
Ph.D. and M.S., University of Central Florida
B.S., Yrmounk University, Jordan

Zahnen, Jeffrey (2007)
Associate Professor, School of Mathematics

zahnenj@DaytonaState.edu
Ph.D., M.S. and B.S., University of Florida

Zuba, Michael (2006)
Assistant Professor, School of Technological and Occupational Programs
zubam@DaytonaState.edu
A.S., Luzerne County Community College
Vocational Certificate, Daytona State College