DaytonaState

DAYTONA STATE COLLEGE
SCIENTIA POTENTIA EST
FOUNDED 1957

2016
Catalog

2015 – 2016 Daytona State College Catalog Index

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President's Message

Welcome to Daytona State College – where learning for life is our way of life.

Whether you're a student, a parent, a supporter or someone interested in exploring our institution, you'll find remarkable opportunities to enrich your life and reach your goals. We offer pathways to exciting careers, further education, in-demand skills training and personal enrichment.

Daytona State has distinguished itself with high-quality academic programs, outstanding faculty dedicated to teaching and small class sizes that ensure our students get the attention and support to help them succeed.

In fact, our latest high marks come from *U. S. News & World Report,* which has ranked Daytona State for three years running among the nation's Top 10 Best Online Bachelor's Programs, coming in this year at No. 2. I'm proud to say that Daytona State earned these high rankings due to top-notch faculty, smart technology and focused student engagement.

Our students – who number about 28,000 a year – can take advantage of a range of student services and activities Daytona State offers, including national championship athletic teams, an award-winning student newspaper, an active Student Government Association and more than 25 clubs and organizations to enhance the college experience. On our campuses you also will find the internationally recognized Southeast Museum of Photography, a state-of-the-art fitness and aquatic facility and two theaters that host theatrical, musical and dance productions throughout the year.

Let us know if we can help you join in the Daytona State College experience. I applaud each and every one of our students, from whatever point they are in life, for making the smart choice and taking the next step toward their goals.

Sincerely,

Dr. Tom LoBasso
President
Email: LobassT@DaytonaState.edu

Board of Trustees

Accreditation

Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

The college is a member of the American Association of Community Colleges and the Association of Florida Colleges, and is an approved institution of higher education for veterans and war orphans.

Statement of Non-Discrimination

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 Dr. Job B. Clement, Chair of the Equity committee, at (386) 506-3403, or write to him at: Daytona State College, Room 205, Wetherell Center, 1200 W. International Speedway Blvd. Daytona Beach, Fl. 32114.

Dr. Job Clement, Chair
College Equity Committee
Wetherell Center, Room 205
(386) 506-3153

Mrs. Robin Barr, Associate Vice President
Human Resources/Employment Equity
Wetherell Center, Room 303F
(386) 506-4473

Ms. Alison Mohr
Athletic Coordinator
Lemerand Center Room 235
(386) 506-3400

Mr. Keith Kennedy, Coordinator
Wetherell Center, Room 210B
(386) 506-3562

Sexual Assault and Misconduct

Instances of sexual misconduct occurring on college property or at college related functions which involve 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 Student Rights & Responsibilities 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 or sexual misconduct reported by students should be promptly 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, her designee, or by official disciplinary procedures. The following person has been designated to handle concerns regarding Sexual Harassment or Sexual Misconduct claims: Mr. K.R. Kennedy, Dean, Student Development, Title IX Coordinator, Wetherell Center , Room 210, 1200 W. International Speedway Blvd., Daytona Beach, FL 32120-2811. Office Phone: (386) 506-3562; (Fax: (386) 506-4458; Email: kennedk@DaytonaState.edu

This catalog is prepared and presented as an informational guide only. Course offerings, fee schedules and other representations provided are not controlling and are subject to change, amendment or deletion by the college as deemed appropriate. The information is taken from Board rules and administrative procedures. These sources may be consulted for additional information.

Notice

Please be advised that your photo may be taken and used in materials (including Daytona State's website) promoting the college. If you do not want your photograph used, please contact the Marketing Department at (386) 506-4499.

About Daytona State

Daytona State College at a Glance

Offering more than 100 certificate, associate and bachelor's degree programs, Daytona State College has responded to the education and workforce training needs of Volusia and Flagler counties and beyond for more than 50 years. The college enrolls about 28,000 students a year at its seven instructional sites, with graduates serving in critical fields, including health care, emergency services, business, education, hospitality, engineering technology computer science and more.

Among the Best in Online Programs

Daytona State has been recognized as a leader in higher education numerous times, most recently by U.S. News & World Report, which ranked the college among the Top 10 Best Online Bachelor's Programs in the nation in 2015, for the third year running.

Bachelor's Degrees

Daytona State offers 11 bachelor's degrees in Supervision and Management, Education, Engineering Technology, Information Technology and Nursing. These offerings include opportunity for qualified first-time-in-college students to earn a degree in one of seven Bachelor of Science in Education tracks for $10,000. (Speak with an academic advisor for details.)

Choose Daytona State and Save

U.S. Department of Education's College Affordability and Transparency Center ranks DSC among the most affordable public four-year institutions in the country, with less than half the tuition of the national average. Community College Week, a leading publication in higher education, featured the college in its list of Top 100 Associate Degree Producers.

Academic Support When You Need It

Daytona State's Academic Support Centers, located at all campuses, are recognized statewide and nationally as models for best learning center practice. In 2010, the ASC earned the Association of Florida College's Exemplary Practice Award for Learning Support Services. In 2007, the ASC was awarded the prestigious National College Learning Center Association Frank Crist Outstanding Learning Center Award. During the 2013-2014 academic year, nearly 20,000 students received assistance with their coursework in the ASC, tallying a total 234,448 visits.

The Association of Florida Colleges has awarded Daytona State's ASC its Learning Resources Exemplary Practice Award for the Math Up: Gateway to Success program Math Up is a free, four-day workshop offered a week prior to the start of spring and fall semester classes that helps students get a leg up on the challenges posed for some by Intermediate Algebra (MAT 1033).

Top Fifteen Programs (Enrollment)

- Associate of Arts
- BAS Supervision and Management
- Nursing
- Computer Science
- BS Engineering Technology
- Culinary Management
- Business Administration

- Cosmetology
- BS Education
- Music Technology/Audio Recording
- Law Enforcement Recruit Training
- Photographic Technology
- Office Administration/Management
- Paralegal
- Accounting Technology

Top Fifteen Programs (Graduates)

- Associate of Arts
- Computer Science
- BAS Supervision and Management
- Nursing
- EMT/Paramedic
- Law Enforcement Recruit Training
- Office Administration /Management
- Cosmetology
- BS Education
- Accounting Technology
- Culinary Management
- A/C, Refrigeration and Heating Technology
- Fire Fighter
- BS Engineering Technology
- Photographic Technology

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 and smart classrooms designed for each specific program. The building also includes wireless access throughout, 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 looking to obtain certificates, associate of science and bachelor's degrees.

Programs Offered at the ATC:

Engineering Technology Programs
Engineering Technology (BSET)
Engineering Technology - Electrical Engineering Technology Concentration (BSET-EET)
Information Technology (BSIT)

Computer Science Programs
Advanced Network Infrastructure
Advanced Technical Certificate in Cyberforensics and Cybersecurity
Cable Installation
Computer Engineering Technology
Computer Information Technology
Computer Programming and Analysis (Software Engineering Technology)
Computer Programming
Electronics Engineering Technology
Information Technology Administration
Information Technology Analysis
Information Technology Support Specialist
Internet Services Technology
Microcomputer Repairer/Installer
Network Communications (LAN)
Network Communications (WAN)
Network Infrastructure
Network Server Administration
Network Support Technician
Network Systems Technology
Simulation and Robotics Technology
Web Development Specialist
Wireless Communications

Automotive Programs
Automotive Collision Repair and 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 Technology
AutoCAD Foundations (Architectural)
AutoCAD Foundations (Engineering)
Drafting and Design Technology (CAD)
Drafting and Design Technology
Interior Design Technology
Interior Design Technology - Kitchen and Bath Specialization
Machining

Emergency Services Programs
Correctional Officer Recruit Training
Criminal Justice Technology Bridge
Emergency Medical Services
Emergency Medical Technician
Fire Science Technology
Fire Fighter
Florida Law Enforcement Academy
Paramedic

Continuing Education Programs
Advanced and Specialized Criminal Justice Training

Apprenticeship Programs
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

The Daytona State College Foundation supports and houses the DSC Alumni Association to keep our alumni and our students connected to Daytona State College and to support and promote the mission of the College and Foundation.

The Alumni Association strives to develop and strengthen relationships with DSC alumni and DSC students. Our goal is to provide you with opportunities to re-connect with your former classmates, teachers, mentors and professors so you can stay in touch, share ideas, take advantage of opportunities to network and volunteer. Through our shared experience, the Daytona State College story can be told, benefitting future alumni and friends of Daytona State and the community at large.

The DSC Alumni Association is open to graduates and former students. Whether you have received your degree or certificate, completed training or taken courses and simply want to support the College's mission, we welcome your participation. Being a member of the Alumni Association demonstrates to our current students what it means to be a successful College graduate.

Membership is free. Become a member today by completing the Membership & Contact Form.

We are developing our online community and look forward to seeing you in our virtual world. Please continue to check our website for any new information and events throughout the year. For more information, you can also contact our office at (386) 506-4506 or email 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: 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 website 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.

Today, Daytona State offers more than 100 certificate, associate and baccalaureate degree programs, with graduates serving in critical fields that include health care, emergency services, business, education, hospitality, engineering, technology and more. The college also offers the Associate of Arts University Transfer degree, which provides students the first two years of a four-year bachelor's degree, saving our students and their families thousands in the process. As a Level II state college, the institution also offers the Bachelor of Applied Science in Supervision and Management, as well as seven bachelor's degrees in education, including: Mathematics (grades 6-12), Biology (grades 6-12), Earth/Space Science (grades 6-12), Exceptional Student Education (grades K-12), Chemistry (grades 6-12), Physics (grades 6-12) and Elementary Education (grades K-6). The college also offers the Bachelor of Science in Engineering Technology, a Bachelor of Science in Information Technology and a Bachelor of Science in Nursing degree.

Daytona State prides itself on its ability to provide students with affordable tuition, convenient and flexible course scheduling, and an expanded array of online programs. For two years running, the college's online bachelor's programs have been rated among America's best by U.S. News and World Report. In addition, the U.S. Department of Education placed Daytona State's annual tuition for full-time students among the top 50 most affordable in the nation. Community College Week, one of the nation's leading publications focusing on higher education institutions that offer two-year associate degrees, also named Daytona State among its list of Top 100 Associate Degree Producers.

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 nearly 28,000 students annually.

Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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

Daytona State College Mission Statement

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.

Soaring to Success: Strategic Priorities and Initiatives

To fulfill its vision, carry out its mission, and live its values, Daytona State College has established the following strategic priorities and initiatives as the foundation for its future:

ENSURE ACADEMIC EXCELLENCE

Offer quality educational programs that meet the academic and non-academic workforce needs of Volusia and Flagler counties and beyond.

Ensure that academic programs align with local/regional workforce needs.Enhance teaching and learning with instructional technology.Strategically expand course and program offerings at regional campuses.

ENHANCE STUDENT SUCCESS

Increase student development and academic support to enhance student performance, engagement, and retention.

Increase academic success rates.Improve academic support services and programs to promote retention.Focus on essential learning outcomes: critical/creative thinking, communication, cultural literacy, and information/technical literacy.

BUILD COMMUNITY PARTNERSHIPS

Expand and create partnerships with business, community, and educational organizations that enhance the college mission and vision.

Expand regional partnerships with business and industry.Increase collaboration with secondary schools to recruit and help prepare students for college.Monitor and, when possible, help shape political and legislative actions that impact the college.

EMPHASIZE INSTITUTIONAL EFFECTIVENESS

Ensure efficient and effective use of college resources (fiscal, physical, human, and technological).

Increase communication, interaction, and exchange of ideas throughout the college.Expand investment in technology infrastructure to support college operations.Promote a work environment where employees are empowered through shared governance.

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.

Direct Connect to UCF

Daytona State associate of arts degree students have a clear path to transfer to UCF through the university's nationally recognized Direct Connect program. Direct Connect guarantees admission to UCF for AA graduates and adds touch points that track students from their freshman year at DSC through their senior year at the university to ensure they stay on a path toward success.

In addition to increased academic advising, touch points include having students complete a career-assessment plan, confirm early major declaration, and complete skills workshops related to academic planning, financial literacy and other topics.

To get started on your path to UCF through Direct Connect, speak with your DSC academic advisor early in your freshman year.

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

- Anthropology
- Applied Science
- Criminal Justice
- Health Services Administration
- History, BA.
- Interdisciplinary Studies
- Latin American Studies
- Nursing (B.S.N.) - Daytona
- Nursing (R.N. to B.S.N.) - Daytona
- Photography
- Political Science
- Psychology
- Religion & Cultural Studies
- Social Sciences
- Technical Education and Industry Training

Graduate

- Criminal Justice

Spring 2015

Spring Semesters 2015	Spring - PF (16 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 2015 (currently enrolled students based on priority)	Nov. 3	Nov. 3	Nov. 3	Nov. 3	
Open Registration for Spring 2015	Nov. 6	Nov. 6	Nov. 6	Nov. 6	
College Open	Jan. 5	Jan. 5	Jan. 5	Jan. 5	Jan. 5
Spring Planning	Jan. 5-9	Jan. 7-16	Jan. 7-16	Jan. 7-16	Jan. 7-16
Spring Classes Begin	Jan. 12	Jan. 20	Jan. 20	March 23	Jan. 12
Martin Luther King Holiday	Jan. 19	Jan. 19	Jan. 19	Jan. 19	Jan. 19
Last day to submit proof of FL residency	Jan. 12	Jan. 20	Jan. 20	March 23	Jan. 20
State Employee Registration	Jan. 12-14	Jan. 20-22	Jan. 20-21	March 23-24	N/A
Last Day to Add/Drop/Audit/Adjust Schedule	Jan. 14	Jan. 22	Jan. 21	March 24	N/A
Last Day to Change "I" Grade awarded in Fall Semester	March 27	March 27	March 27	March 27	N/A
Spring Break	March 16-20	March 16-20	March 16-20	March 16-20	March 16-20
Advising Week	March 23-27	March 23-27	March 23-27	March 23-27	March 23-27
Priority deadline for Graduation	March 27	March 27	March 27	March 27	N/A
Last Day to Withdraw from Classes	March 31	March 31	Feb. 20	April 20	N/A
Advance Registration for Summer 2015/Fall 2015 (currently enrolled students based on priority)	March 30	March 30	March 30	March 30	N/A
Registration for Summer 2015 and Fall 2015	April 2	April 2	April 2	April 2	N/A

Awards Convocation	April 8	April 8	April 8	April 8	N/A
Spring Classes End	May 13	May 13	March 13	May 13	May 13
Last Faculty Duty Day	May 13	May 13	March 13	May 13	May 13
Grades Due*	May 14	May 14	March 14	May 14	May 14
Commencement	May 18	May 18	May 18	May 18	May 18
Diplomas Mailed to Graduates	May 29	May 29	May 29	May 29	N/A

** Grades due by noon 48 hours after final exam (24 hrs for A/B terms)

Summer 2015

Summer Semesters 2015	6 Week (A)	10 Week	6 Week (B)	Adult Education Classes
Advance Registration for Summer 2015/Fall 2015 (currently enrolled students based on priority)	March 30	March 30	March 30	N/A
Open Registration for Summer 2015/Fall 2015	April 2	April 2	April 2	
First Faculty Duty Day	May 18	May 18	July 1	May 18
Classes Begin	May 18	May 18	July 1	May 18
Last day to submit proof of FL residency	May 18	May 18	July 1	May 18
Last Day to Add/Drop/Audit/Adjust schedule	May 19	May 19	July 2	N/A
State Employee Registration	May 18-19	May 18-19	July 1-2	N/A
Memorial Day	May 25	May 25	May 25	May 25
Last Day to Withdraw from Classes	June 15	July 1	July 28	N/A
Priority deadline for Graduation	July 17	July 17	July 17	N/A
Independence Day	July 3	July 3	July 3	July 3
Classes End	June 30	July 28	Aug. 13	Aug. 13
Last Faculty Duty Day	June 30	July 28	Aug. 13	Aug. 13
Grades Due*	July 1	July 29	Aug. 14	Aug. 14
Diplomas Mailed to Graduates	Aug. 28	Aug. 28	Aug. 28	Aug. 28

* Grades due by noon 48 hours after final exam (24 hrs for 6 week terms)

Summer A 31 days
Summer 10-week 50 days
Summer B 30 days

Fall 2015

Fall Semester 2015	Fall FS (15 week) Term	Fall A - FA (7 week) Term	Fall B - FB (7 week) Term	Adult Education Classes
Advance Registration for Summer 2015/Fall 2015 (for currently enrolled students based on priority)	March 30	March 30	March 30	N/A
Open Registration for Summer/Fall 2015	Apr. 2	Apr. 2	Apr. 2	Apr. 2
Fall Planning (Faculty Professional Development)	Aug. 17-21	Aug. 17-21	Aug. 17-21	Aug. 17-21
Last day to submit proof of Florida Residency	Aug. 24	Aug. 24	Oct. 26	Aug. 24
Fall Classes Begin	Aug. 24	Aug. 24	Oct. 26	Aug. 24
State Employee Registration	Aug. 24-26	Aug. 24-25	Oct. 26-27	N/A
Last Day to Add/Drop/audit a class/adjust schedule/refund period ends	Aug. 26	Aug. 25	Oct. 27	N/A
Labor Day Holiday	Sept. 7	Sept. 7	N/A	Sept. 7
Last Day to Change "I" Grade awarded in Preceding Spring, Summer A, Summer B.	Oct. 16	Oct. 16	Oct. 16	N/A
Advising Week	Oct. 26-30	Oct. 26-30	Oct. 26-30	Oct. 26-30
Priority Deadline for Graduation	Nov. 20	Nov. 20	Nov. 20	N/A
Advance Registration for Spring 2016 (currently enrolled students based on priority)	Nov. 2	Nov. 2	Nov. 2	N/A
Last Day to Withdraw from classes	Nov. 6	Oct. 2	Dec. 1	N/A
Open Registration for Spring 2016	Nov. 5	Nov. 5	Nov. 5	N/A
Thanksgiving Holiday	Nov. 26-27	Nov. 26-27	Nov. 26-27	Nov. 26-27
Fall Classes End	Dec. 18	Oct. 16	Dec. 18	Dec. 18

Grades Due*	Dec. 19	Oct. 17	Dec. 19	Dec. 19
Holidays	Dec. 21-Jan. 3	Dec. 21-Jan. 3	Dec. 21-Jan. 3	Dec. 21-Jan. 3
Diplomas Mailed to Graduates	Jan. 15	Jan. 15	Jan. 15	Jan. 15

*Grades due by noon 48 hours after final exam (24 hrs for A/B terms)

Spring 2016

Spring Semesters 2016	Spring - PS (15 week) Term	Spring A - PA (7 week) Term	Spring B - PB (7 week) Term	Adult Education Classes
Advance Registration for Spring 2016 (currently enrolled students based on priority)	Nov. 2	Nov. 2	Nov. 2	N/A
Open Registration for Spring 2016	Nov. 6	Nov. 6	Nov. 6	N/A
College Open	Jan. 4	Jan. 4	Jan. 4	Jan. 4
Spring Planning	Jan. 11-15	Jan. 11-15	Jan. 11-15	Jan. 11-15
Spring Classes Begin	Jan. 19	Jan. 19	March 21	Jan. 11
Martin Luther King Holiday	Jan. 18	Jan. 18	Jan. 18	Jan. 18
Last day to submit proof of FL residency	Jan. 19	Jan. 19	March 21	Jan. 11
State Employee Registration	Jan. 20-21	Jan. 19-20	March 21-22	N/A
Last Day to Add/Drop	Jan. 21	Jan. 20	March 22	N/A
Last Day to Change "I" Grade awarded in Fall Semester	March 18	March 18	March 18	N/A
Spring Break	March 14-18	March 14-18	March 14-18	March 14-18
Advising Week	March 21-25	March 21-25	March 21-25	March 21-25
Priority deadline for Graduation	March 22	March 22	March 22	N/A
Last Day to Withdraw from Classes	April 8	Feb. 23	April 26	N/A
Advance Registration for Summer 2016/Fall 2016 (currently enrolled students based on priority)	March 28	March 28	March 28	March 28
Registration for Summer 2016 and Fall 2016	March 31	March 31	March 31	March 31
Awards Convocation	April 13	April 13	April 13	N/A

Spring Classes End	May 13	March 11	May 13	May 13
Grades Due*	May 14	March 12	May 14	May 14
Commencement	May 16	May 16	May 16	May 16
Diplomas Mailed to Graduates	May 31	May 31	May 31	N/A

** Grades due by noon 48 hours after final exam (24 hrs for A/B terms)

Summer 2016

Summer Semesters 2016	6 Week (A)	10 Week	6 Week (B)	Adult Education Classes
Advance Registration for Summer 2016/Fall 2016 (currently enrolled students based on priority)	March 28	March 28	March 28	N/A
Open Registration for Summer 2016/Fall 2016	March 31	March 31	March 31	March 31
Classes Begin	May 18	May 18	July 5	May 18
Last Day to Add/Drop	May 19	May 20	July 2	N/A
State Employee Registration	May 18-19	May 18-19	July 5-6	N/A
Memorial Day	May 30	May 30	May 30	May 30
Last Day to Withdraw from Classes	June 15	July 1	Aug. 1	N/A
Priority deadline for Graduation	July 15	July 15	July 15	N/A
Independence Day	July 4	July 4	July 4	July 4
Classes End	June 29	July 27	Aug. 15	Aug. 12
Grades Due*	June 30	July 28	Aug. 16	Aug. 13
Diplomas Mailed to Graduates	Aug. 31	Aug. 31	Aug. 31	Aug. 31

* Grades due by noon 48 hours after final exam (24 hrs for 6 week terms)

Summer A 31 days
Summer 10-week 50 days
Summer B 30 days

Adult Education

Through the School of Adult Education, Daytona State College provides several options for students who need to earn a high school diploma, improve basic skills or prepare for college. Students must be 16 years or older and not currently enrolled in a public school system. The courses are offered during the day 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.

In compliance with state law, students must pay tuition of $30 per semester for Florida residents and non-Florida residents. This will cover all classes during a semester.

1. Adult Basic Education (ABE) classes prepare students for the academic requirements of the Adult High School, GED® test preparation classes and select vocational certificate programs. More information can be located at http://www.daytonastate.edu/adulted/abe_index.html.

2. English for Speakers of Other Languages (ESOL) classes teach non-native English speakers English skills necessary to gain employment, increase work-related skills to obtain a better job, and prepare 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. For more information, see English for Speakers of Other Languages.

3. General Educational Development (GED®) test prep classes are offered for students preparing to take the GED® test examination.. For course information, go to http://www.daytonastate.edu/adulted/ged.html. For specific test information, see Assessment Services.

4. The Daytona State College Adult High School provides students the opportunity to earn a standard high school diploma through smaller, competency-based classes. Students must earn the required 24 credits, successfully complete all state-required exit assessments and have a grade point average (GPA) in accordance with state of Florida guidelines. Students are responsible for the purchase of textbooks for this program. For the current booklist and other information, go to http://www.daytonastate.edu/adulted/ahs_index.html.

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 adult students individually and in small groups to improve literacy skills.

8. The Adults with Disabilities Program provides academic, employment and social skill development to adults with documented disabilities. Partnering locations include the ARC of Volusia, Conklin Center for the Blind and WORC, Inc.

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 that 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 and Plumbing Apprenticeship Committee Local 295, Plumbers and Pipefitters.

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 State of Florida Public College or University. 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. More than 70 percent of our AA degree graduates transfer to state four-year institutions

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. Graduates of these programs may be eligible to be enrolled in Daytona State College, Bachelor of Applied Science in Supervision and Management program.

Baccalaureate Studies

Daytona State College offers 11 baccalaureate degree programs: the Bachelor of Applied Science (BAS) in Supervision and Management program, the Bachelor of Science in Engineering Technology, the Bachelor of Science in Information Technology, the Bachelor of Science in Nursing and seven (7) 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 (BSED)

The Bachelor of Science in Education degree programs include Elementary Education, Exceptional Student Education (ESE), Secondary Math Education, Secondary Biology Education, Secondary Physics Education, Secondary Chemistry Education and Secondary Earth/Space Science Education. 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.

Bachelor of Science in Nursing (BSN)

The registered nursing to Bachelor of Science in nursing (RN-BSN) program was developed for the new or working nurse interested in career advancement. The program offers a flexible schedule for the working adult allowing students to take classes full or part time. It is designed for nurses whose highest academic credential is a diploma or associate degree in nursing and possess a registered nursing license in Florida. It provides a seamless transition from the associate degree to the baccalaureate degree and prepares graduates for a broader scope of nursing practice.

Bachelor of Applied Science in Supervision and Management Program (BAS)

The Bachelor of Applied Science in Supervision and Management degree program is designed to provide the associate degree students with the management tools and skills needed to move to the next level in their careers.

BAS courses are offered in many formats. 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.

Bachelor of Science in Engineering Technology (BSET)

The Bachelor of Science in Engineering Technology prepares individuals who have completed an AA or AS degree with some education in specific technical areas for supervisory and management roles and positions. The degree focuses primarily on analyzing, applying, implementing and improving existing technologies, and is aimed at preparing graduates for the practice of engineering in product improvement, manufacturing, construction and engineering operational functions.

Bachelor of Science Information Technology (BSIT)

The Bachelor of Science Information Technology prepares individuals who have completed an AA or AS degree with some education to function within the field of Information Technology. Students will receive coursework to develop proficiency in areas of information management, programming, networking, security and information assurance, system administration and maintenance, and web systems.

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.

Developmental Education

The Developmental Education 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. Developmental Education consists of non-college credit courses in reading, writing and mathematics and three college credit courses, Intermediate Algebra, Critical Reading Techniques and English Grammar, all of which can be used toward the A.A. degree.

A student who entered the 9th grade in a Florida public school prior to the 2003-2004 school year, or did not attend a Florida public high school, must take the Postsecondary Education Readiness Test (P.E.R.T.) or submit SAT, ACT, Accuplacer or FCAT scores (the scores cannot be more than 2 years old) that exempt them from the college developmental education program, or they must submit college transcripts that show the completion of Freshman English I or Intermediate Algebra.

A student who entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the U.S. Armed Services is not required to take the common placement test and is not required to enroll in developmental 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.

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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:

1. 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.
2. 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.
3. 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.
4. 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.

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.

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.

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 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.

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. 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 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:

1. 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.
2. 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).
3. 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.
4. 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.
5. Students must meet all other Daytona State graduation policies and deadlines.

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?
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.

Is there a Foreign Language requirement to complete the Bachelor Of Applied Science Degree in Supervision and Management?
Yes. If students completed two years of the same foreign language in high school the BAS Foreign Language requirement is satisfied. If students did not take two years of the same foreign language in high school they will need to complete two semesters (8 credits) of the same foreign language at the college level to meet the State Foreign Language Requirement for graduation.

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.
MAN4504	Operational Decision Making		3 Sem. Hrs.
GEB4930	Selected Topics in Management		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	
	Semester Credit Hours	13	

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
MAN4504	Operational Decision Making	3	Senior status or permission of the chair
XXXXXX	General Education Core	3	
	Semester Credit Hours	13	

Fifth Semester

GEB4930	Selected Topics in Management	3	Senior status or permission of the chair
MAN4900	Capstone Project in Supervision & Mgmt	4	Senior status or permission of the chair
	Semester Credit Hours	7	
	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.

BSED Admission Requirements

Bachelor of Science in Education Admission Requirements

- 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 Test (GKT) 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:
    1. Go to the Volusia County Schools website
    2. Click on "Volunteer and Partnership Programs" in the School Board box at the top of the page
    3. In the left navigation bar, click on "Volunteers (VIPS)"
    4. Under the Volunteers (VIPS) heading, click on the "Application to Volunteer"
    5. 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
    6. 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.	

Secondary Chemistry Education

MAE2311 with Lab	4 sem. hrs	AND
CHM1045 and CHM1046 with Lab	8 sem. hrs	AND
PHY2048 and PHY2049 with Lab	8 sem. hrs	OR
PHY1053 and PHY1054 with Lab	8 sem. hrs	

Secondary Physics Education

MAC2311 with Lab	8 sem. hrs	AND
MAC2312 with Lab	8 sem. hrs	AND
MAC2313 with Lab	8 sem. hrs	AND
CHM1045 and CHM1046 with Lab	8 sem. hrs	AND
PHY2048 and PHY2049 with Lab		

Additional Information:

- Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355L) in their first semester of enrollment.
- Students who have not taken 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; Science - 6 hrs; Humanities (Cultural and Aesthetic Foundation) - 9 hrs; Social (Science) Foundation - 6 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);
  - PEd (Professional Education Test);
  - SAE (Subject Area Exam) aligned to the specific program.
- Demonstrate mastery of the FEAP/PEC (Florida Educators Accomplished Practices/Professional Education Competencies).
- Meet all other Daytona State College policies for graduation and deadlines.

Educator Preparation Institute

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

1. **Can I attend either as a part-time or full-time student?**
   Yes, you can attend the B.S. in Education program as a part-time or full-time student.
2. **Are online, half and half, or hybrid courses available?**
   The B.S. 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.
3. **Can I start working on my teaching degree before I finish my A.A. degree?**
   No, you must earn an A.A. degree and successfully complete the entrance requirements before you can be admitted into the B.S. program.
4. **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, and evening offerings are limited.
5. **Do I have to be proficient with technology in the B.S. program?**
   Many classes require Internet knowledge as well as Falcon Online (Daytona State's learning management system) and LiveText skills; however, we offer training and assistance with computers and software.
6. **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 enrolled in Secondary Mathematics and Secondary Science Education majors will graduate with the first two reading endorsement competencies (Reading 1 and Reading 2).
7. **Are Education students required to complete a Senior Internship?**
   Yes. The last semester of all Education programs requires students to complete a senior internship. This is a full-time, semester-long student teaching assignment. Student interns are assigned to a teacher and classroom for the full semester and assume the duties and responsibilities of a full-time teacher under the supervision of their assigned Volusia or Flagler County teacher.

BSED Program Overview

Degree Programs

Daytona State's Bachelor of Science degree programs in education will prepare you to design and develop the competencies needed to be successful in today's classrooms. While enrolled in our programs, you will spend many hours in college classrooms, implementing or working with technology, and in public K-12 schools in Volusia and Flagler counties.

Degree programs include:

B.S. in Elementary Education (K-6)/ESOL Endorsement/Reading Endorsement

Elementary teachers help mold young minds! They are responsible for developing lessons that provide instruction in all subject areas, including reading, writing, math, science and social studies. Every day these teachers experience the excitement of watching children learn.

As a B.S. in Elementary Education student, you will learn to design, develop and implement effective classroom management techniques and instructional strategies. While enrolled, you will spend many hours in area schools working with children in kindergarten through sixth grade and practicing the instructional strategies learned in class.

Catalog: Elementary Education Catalog

B.S. in Exceptional Student Education (K-12)/ESOL Endorsement/Reading Endorsement

Upon graduating with a B.S. in Exceptional Student Education (ESE), you will be certified to teach students from kindergarten through 12th grade whose exceptionalities range from severe disabilities to gifted. Daytona State College instructors provide the resources necessary for graduates to develop and teach lessons that accommodate the individual needs of ESE students.

ESE teachers enjoy the challenge of helping exceptional students reach their full potential. These teachers also work with the families of students as well as the community to provide exceptional students with rich opportunities for learning. Furthermore, these teachers are responsible for providing instruction in multiple subject areas in elementary or secondary schools.

Catalog:Exceptional Education Catalog

B.S. in Secondary Math Education (6-12)

The B.S in Secondary Mathematics Education will prepare you to teach mathematics in grades 6-12 (middle and high school). Graduates meet mandated state teaching requirements, including teacher certification exams.

This degree program includes courses in teaching students with exceptionalities, reading competency, classroom management, assessment and integrated approaches to teaching methodologies at the middle and high school levels.

Catalog: Secondary Mathematics Education

B.S. in Secondary Biology Education (6-12)

The B.S. in Secondary Biology Education prepares you to become a biology teacher at the middle and high school level (grades 6-12), and is for those who are seeking initial teacher licensure. Courses in the program will help you master the content knowledge you will need to be successful in the classroom.

You will study the structure and function of biological systems, including cells, tissues, genetics, immunity and more.

This program also includes courses in teaching students with exceptionalities, reading competency, classroom management, assessment and integrated approaches to teaching methodologies at the middle and high school levels.

Catalog: Secondary Biology Education

B.S. in Secondary Earth/Space Science Education (6-12)

As a graduate of the B.S. in Secondary Earth/Space Science Education, you will be poised to foster in middle and high school students a stewardship of the planet and a zest to explore the wonders of space. The program offers a comprehensive overview of interacting earth systems, including the hydrosphere and atmosphere, as well as an understanding of the evolution of the earth's physical and biological systems through time.

Courses include subject areas in astronomy, meteorology, oceanography, ecology, geology and botany. Graduates are eligible to earn a Florida professional teaching certificate at the middle and high school levels.

Catalog: Secondary Earth/Space Science Education

BS in Secondary Chemistry (6-12)

If you are a person who enjoys chemistry and likes to work with young people, you should consider a career as a chemistry teacher. The B.S. in Secondary Chemistry Education prepares you to be a highly-qualified, state-certified teacher ready to teach at the middle and high school levels.

Your coursework will include hours spent in Daytona State's chemistry laboratories working with an array of tools and modern instrumentation. Graduates of this program also learn to embrace diversity, promote ethics in education, focus on student excellence and enhance teaching and learning through innovative instructional practices.

Catalog: Secondary Chemistry Education

BS in Secondary Physics (6-12)

Physics is among the pillars of the STEM (science, technology, engineering, and mathematics) disciplines; however, there is a shortage of highly qualified physics teachers in every state. The B.S. in Secondary Physics Education provides you rigorous training in the discipline along with the necessary skill sets to effectively teach at the middle and high school levels as a highly qualified and certified teacher in the state of Florida.

You will learn educational theories and effective teaching practices, and participate in field experiences at area schools, which will require observation and participation.

Catalog: Secondary Physics Education

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 complete several field experiences in public school settings and complete one semester as full-time senior interns in a Flagler or Volusia County K-12 public school.

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).

Students will observe teachers in the field, teach lessons through the practicum courses, and complete a full-time teaching internship in their final semester. Courses are offered for full and part time students, with blended technology components where applicable.

BS in Engineering Technology

The Engineering Technology degree is a hands-on program with an optional concentration in Electrical Engineering Technology. Associate degree programs will prepare you to enter the job market at entry-level or mid-level positions. Upper-level coursework in the Engineering Technology program broadens your knowledge in technical concepts and practices, and prepares you for supervisory and management opportunities within your technical field while increasing your knowledge in engineering and technology.

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

Bachelor of Science in Information Technology

Advance your skills with an online bachelor's degree in Information Technology and prepare for unlimited possibilities in one of America's most high-growth, fast-paced industries.

Program features

- 2+2 Program – Earn your associate degree in two years, then complete the BSIT program in an additional two years.
- Learn how to develop, deliver, manage and secure information systems.
- Course work includes operating systems, networks, programming, digital security and forensics, databases and Web systems.
- Get the know-how to solve real-world IT challenges for business and industry.

Career opportunities

- Graduates may find employment as computer programmers, computer software engineers, systems analysts, network and computer systems administrators, database administrators and more.
- The U.S. Department of Labor estimates IT-related job growth to expand by more than 50 percent through 2018.
- Salaries for baccalaureate degree holders who have experience average about $70,000 annually and are expected to climb in many areas by as much as 6 percent a year.
- Labor predictions show there will be nearly 500 openings for BSIT graduates over the next five years in Volusia and Flagler counties.

Learn more at DaytonaState.edu/Admissions/BSIT.html.

Bachelor of Science in Nursing

The registered nurse to bachelor of science in nursing (RN-BSN) program was developed for the new or working nurse interested in career advancement. The program offers a flexible schedule for the working adult. It is designed for nurses whose highest academic credential is an associate degree in nursing or diploma in nursing, and who possess a registered nursing license in Florida. It provides a seamless transition from the associate degree to the baccalaureate degree and prepares graduates for a broader scope of nursing practice.

Save over 30 percent on the cost of tuition compared to the most price-competitive area BSN program.

For more information, please visit http://www.daytonastate.edu/nursing/bsn.html

Entrance Requirements

1. Download and complete an application.
2. Include the following documents with the College Application:
   - Unencumbered Florida Registered Nursing License
   - Two professional letters of recommendation (one from a current or prior employer)
3. Submit official copies of all high school, GED®, and higher education transcripts to: Daytona State College, Admissions Office, 1200 W. International Speedway Blvd., Daytona Beach, FL 32114
4. Apply for financial aid if desired
5. Requirements for admission to this program include:
   - An earned Associate of Science (AS) or Diploma in Nursing (Diploma must equate to the AS nursing degree)
   - A minimum 2.5 cumulative grade point average
   - Unencumbered Florida Registered Nursing License
   - Two professional letters of recommendation (one from a current or prior employer)
6. Upon receipt of the baccalaureate application and prior to completion of the application packet an acknowledgement letter will be sent
7. Once the application packet is complete students will receive an acceptance letter
8. Upon acceptance to the BSN program students will meet with academic advising to develop a curriculum plan (full or part time status)
9. If MAC1033 or ENC 1101 are not complete consult with an admissions advisor

Graduation Requirements

Requirements for graduation from the Bachelor of Science in nursing (BSN) program are:

1. Students must successfully complete 120 hours of college-level credit courses in the degree program, including the lower-division associate degree and the 48 hours of BSN program.
2. Students must successfully complete 36 hours of general education as established by Daytona State College for its Associate of Arts degree program.
3. Students must maintain a cumulative GPA of at least a 2.0 on a 4.0 scale for all BSN, plus complete each BSN course with a grade of "C" or higher.
4. 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.
5. Students must complete 25 percent of the overall degree requirements, 25 percent of program-specific classes and 25 percent of the upper-level program-specific credits at Daytona State College.
6. Students must meet all other Daytona State graduation policies and deadlines.

Contact

Linda Vought, Office Assistant, 386-506-3250, voughtl@DaytonaState.edu

Linda Miles, Chair, School of Nursing, 386-506-3720, milesl@DaytonaState.edu

Judith Valloze, Assistant Chair, 386-506-3723, vallozj@DaytonaState.edu

General Education Mission Statement

General Education

General education at Daytona State College constitutes the academic preparation for participation in a pluralistic society and global community and is the basis for lifelong learning. It is a framework for the acquisition and use of broad bodies of knowledge and a foundation of intellectual, social and ethical skills and behaviors. Through the general education curriculum, students will acquire the skills necessary for:

- 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.

Daytona State College considers the knowledge, skills and attitudes cultivated by the general education curriculum vital for educated men and women in our society.

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-14.0303 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 completion of or demonstration of proficiency in a foreign language or American Sign Language at the elementary 2 level or above (e.g. French, German, Italian, Spanish 1121 or higher or ASL2150 or higher.) Foreign and sign language courses satisfy elective credits toward the AA degree.

Gordon Rule
In accordance with Florida Department of Education Administrative Rule, 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 satisfy 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 advised to complete college preparatory course work.

General Education Core

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

I. Communication - 9 Credits

ENC 1101^ Introduction to Composition

ENC 1102^ Writing with Research

SPC 2608   Oral Communications/Research/Presentation Skills

II. Mathematics - 6 Credits
Note: Higher-level mathematics courses also will satisfy the core requirement.
Completion of 6 credits of college-level courses in this area satisfies the Gordon Rule requirement in mathmatics.

MAC 1105 College Algebra

MAC 2311 Calculus I

MGF 2106 Survey in Mathematics

MGF 2107 Mathematics for Liberal Arts

STA 2023   Elementary Statistics

<div align="center">

**In areas of NATURAL SCIENCES, HUMANITIES, AND SOCIAL SCIENCES,
one choice MUST come from Column I.**

</div>

III. Natural Sciences - 6 Credits (Choose two)
Note: Higher-level natural science courses also will satisfy the core requirement.

Column I	Column II
AST 1002 - Astronomy	BOT 1010 - General Biology
BSC 1005 - Survey of Biological Science (For Non-Science Majors)	BSC 1020 - Human Biology
BSC 1010 - General Biology (For Science Majors)	CHM 1025 - Introduction to Chemistry
BSC 1085 - Human Anatomy and Physiology I	GLY 2010 - Physical Geology
CHM 1020 - Chemistry in Society	HUN 1201 - Human Nutrition
CHM 1045 - General College Chemistry I	MET 2010 - Meteorology
EVR 2001 - Introduction to Environmental Science	OCB 2000 - Introduction to Marine Biology
PHY 1020 - Energy and Its Environmental Effects	OCE 1001 - Introduction to Oceanography
PHY 1053 - General Physics I	PSC 1121 - Physical Science
PHY 2048 - Physics with Calculus I	

IV. Humanities - 6 Credits (Choose two: one must be a literature course: (AML, LIT) and one must be a humanities or art course: (ARH, DAN, HUM, MUH, MUL, PHI, REL, THE).

Note: All courses in this area satisfy the Gordon Rule writing requirement.

Column I	Column II
ARH 1000 - Art Appreciation	AML 2050 - Modern American Literature
HUM 2020* - Introduction to Humanities	AML 2026 - Contemporary American Literature
LIT 2000 - Literature and Culture	AML 2600 - Introduction to African American Literature
MUL 1010 - Music Appreciation	ARH 2050 - Survey of Art History I
PHI 2010 - Introduction to Philosophy	ARH 2051 - Survey of Art History II
THE 1000 - Theatre Appreciation	DAN 1100 - Dance Appreciation
	HUM 2210* - Prehistory to Medieval Humanities
	HUM 2230* - Renaissance to Postmodern Humanities
	LIT 2030 - Understanding Poetry
	LIT 2040 - Dramatic Literature
	LIT 2110* - Masterpieces in World Literature I
	LIT 2120* - Masterpieces in World Literature II
	LIT 2380 - Literature by Women
	MUH 2110 - Introduction to Music History and Literature
	MUL 2380 - Popular Music in America
	REL 2300* - World Religion
	Satisfies the Cultural/Global Focus Area

V. Social Sciences - 6 Credits (Choose two)

Note: Those courses that contribute to the Gordon Rule writing requirement are identified with a ^

Column I	Column II
AMH 2020^ - United States History 1865 to Present	AMH 2010^ - United States History to 1877
ANT 2000 - Introduction to Anthropology	DEP 2004 - Developmental Psychology
ECO 2013^ - Principles of Macro Economics	ECO 2023^ - Principles of Micro Economics
POS 2041 - American Federal Government	GEB 2430^ - Ethics and Social Responsibility
PSY 1012 - General Psychology	GEO 2000* - World Geography
SYG 2000^ - Introduction to Sociology	INR 2002* - International Relations
	Satisfies the Cultural/Global Focus Area

VI. Cultural/Global Focus - 3 Credits (Required Focus Area)

Note: If the Cultural/Global Focus Area is already satisfied using a course marked with an asterisk (*), then choose one more core course from any of the columns.

CPO 2001 - Comparative Government
EDF 2085 - Introduction to Diversity for Educators
EUH 2000 - History of Western Civilization to 1648
GEB 2351 - International Business
GEO 2420 - Cultural Geography
SLS 2281 - Diversity, Culture and Communication
SYG 2010 - Social Problems and Deviance

TOTAL GENERAL EDUCATION	**36 credits**
ASSOCIATE OF ARTS (AA) ELECTIVES	**24 credits***
TOTAL CREDIT HOURS FOR THE AA DEGREE	**60 credits**

*Three (3) of the 24 credits must be SLS 1122 (Managing Your Success). This course is a graduation requirement for students in the Associate of Arts (A.A.) degree.

Associate of Arts (AA) Elective Courses

Students are required to have 24 credit hours of elective credits to complete the Associate of Arts (AA) degree. Any college credit course that is not already counting toward a General Education requirement may be used to meet this requirement, except courses that have a course number that begins with a 0, for example MAT 0018, ARR 0121, CJK 0011. Courses in limited access programs are available only for students admitted to that program. (See Course Descriptions)

Florida regulations require you to take any prerequisites needed for your intended transfer school/major as part of your AA degree. Students are required to meet with an academic advisor to discuss their intended transfer school and major and be informed of the prerequisites for their intended program before they have earned 30 credit hours.

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.*

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. 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.

SLS1122 Managing Your Success

SLS1122 Managing Your Success acquaints students with college culture and academic expectations. In addition to learning techniques that can be applied to all facets of life, other important components engage students with academic resources (Library, Academic Support Center, Writing Center), familiarize students with technology common to course usage, and help them become knowledgeable about non-academic resources available at DSC.

This course is required for all students enrolled in the Associate of Arts (AA) program.

Exceptions:

- Transfer or readmitted students with 30+ credits and minimum 3.0 GPA
- Switching from an A.S. to A.A. program with 30+ credits and minimum 3.0 GPA

For additional information, please contact an Academic Advisor, or call Charlene Latimer: (386) 506-3142.

State of Florida Articulation Agreement

According to the articulation agreement among all Florida public institutions of higher learning, students who receive the Associate of Arts degree from Daytona State are guaranteed entry into one of Florida's four-year upper division public institution as juniors. Daytona State also maintains a similar agreement with most of the state's private institutions.

Although an AA degree guarantees admission to an upper division institution, it does not guarantee acceptance to a particular university's selected, special or limited access programs. Associate of arts degree recipients compete for admission to these programs on the same basis as students already enrolled at these institutions.

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, hybrid courses, and online 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. To search for Seven-Week courses, select Subsession A or B.

Hybrid Courses
Hybrid courses are part lecture and part online delivery. Lecture time may vary from 25% to 75% 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 through Falcon Online. Depending on the percentage of online activity, students are charged an additional fee per course. For course access and computer requirements, go to http://online.daytonastate.edu. To search for Hybrid courses, select 'Online and Hybrid' for Instructional Method, and read 'Section Info'.

Online Courses
Online courses are delivered 80 to100% online. Students access the course through the Internet via Daytona State's learning management system through Falcon Online. Students are charged an additional fee per credit hour. Students may obtain degrees/certificates with limited or no visitation to campus. Currently, students may obtain an AA degree and some BS degrees 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 courses, select 'Online and Hybrid' for Instructional Method, and please read 'Section Info'.

Cooperative Education/Internships

Cooperative Education empowers you to get a head start in meaningful professional employment, learning through hands-on experience in your 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.

Students are required to complete 80-320 program contact hours at an employer work site, depending on their program of study, for an average of 12-15 hours a week within a semester. (1 credit hr. = 80 contact hrs.; 2 credit hrs. = 160 contact hrs.; 3 credit hrs. = 240 contact hrs.; 4 credit hrs. = 320 contact hrs.)

To be eligible, you must be admitted to an AS or certificate program. Your department chairperson 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 in the online job listings through Career Services Online: https://myinterfase.com/daytonastate/student.

For additional information, or to register for a co-op experience, contact the chairperson of your academic 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 (ATCs). 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 also may contact Kim Csabi, ATC, Director of Sports Medicine, at 386-506-3989.

Center for Interactive Media/WDSC-TV 15

The Center for Interactive Media at Daytona State College combines the Faculty Innovation Center, Instructional Resources and WDSC-TV with the college's new Associate of Science in Interactive Media Production program.

Within this unique, collaborative and high-tech learning environment, students enrolled in the associate degree program prepare for entry-level positions that focus on multiple career paths, including broadcasting, print and Web-based media. A cross-disciplinary approach to skill development in critical thinking, writing, photography, video, audio, social media, Web design and more provides students with a depth of knowledge necessary to adapt and thrive in the constantly evolving interactive media industry. Students also receive hands-on training as part of their studies, performing "live" broadcasts at the college's public television station, WDSC-TV.

Falcon Online is Daytona State's online learning management system, which hosts fully online and hybrid courses. These courses are developed through the Instructional Resources Department and the Faculty Innovation Center, which helps faculty leverage technology when developing video and other components of their online curricula.

As an independent public broadcasting station in Central Florida, WDSC-TV offers its viewing audience an alternative in educational and entertaining programs, from local productions, government information and emergency awareness to international programs, how-to's and much more.

Florida TRADE Program

The Florida TRADE Program at Daytona State College is a Manufacturing Fast-Track Program that helps students start building a technical career that offers good pay and growth opportunity. A certificate of completion is issue at the completion of the chosen course of study within the Florida TRADE program.

This course will develop an initial set of technical skills and provide the necessary training to prepare for industry recognized certifications in the following areas:

- Certified Production Technician (CPT)
- National Institute of Metalworking Skills (NIMS) Milling Certification
- Computer Aided Drafting AutoCAD Certifications (Autodesk)
- SolidWorks Certifications (SolidWorks)

Manufacturing Skill Standards Council Certified Production Technician (CPT) Course (80 total contact hours)

MSSC Course Number: 30 E2PRO

Course Title: Certified Production Technician (CPT)

Course Description:

The Production Technician course provides the student the foundational, portable production knowledge-set applicable to entry-level production technician jobs in the manufacturing industry and prepares the student to sit for the four Manufacturing Skills Standards Council [MSSC] Production Technician certification assessments; Safety Awareness, Production & Processes, Maintenance Awareness, and Quality Assurance. Additionally, this course covers Employability Skills as a non-assessed portion of the training.

AND/OR

Computer Numerical Control (CNC) Preparation for National Institute of Metalworking Skills (NIMS) Certification (150 total contact hours)

Course Title: CNC Operations I

PMT0251 CNC Operations I

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.

Conc-Reqs: CNC Operations I Lab

Course Title: CNC Operations I Lab

PMT0251L CNC Operations I Lab

Course Description:
Lab component for; Basic machining, use of measuring tools, shop math and print reading. Manual machining operations are covered in milling and turning.

Conc-Reqs: CNC Operations I

OR

AutoCAD

Course Title: Computer Aided Drafting I (AutoCAD) (2 Semester Hours)

ETD2320 Computer Aided Drafting I (AutoCAD)

Course Description:
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

Course Title: Computer Aided Drafting I (AutoCAD) Lab (1 Semester Hour)

ETD2320L Computer Aided Drafting I (AutoCAD) Lab

Course Description:
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

Course Title: Computer Aided Drafting II (AutoCAD) (2 semester hours)

ETD 2340 Computer Aided Drafting II (AutoCAD)

Course Description:
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

Course Title: Computer Aided Drafting II (AutoCAD) Lab (1 Semester hour)

ETD2340L Computer Aided Drafting II (AutoCAD) Lab

Course Description:
An intermediate course in computer aided drafting covering hatching, external references, blocks, attributes and 3-D modeling. FA, SP, SU

Conc-Reqs: ETD2340

OR

SolidWorks

Course Title: SolidWorks Solid Modeling (2 Semester Hours)

ETD2364 SolidWorks Solid Modeling

Course Description:
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

Course Title: SolidWorks Solid Modeling Lab (1 Semester Hour)

ETD2364L SolidWorks Solid Modeling Lab

Course Description:
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

Course Title: SolidWorks II (2 Semester Hours)

ETD2368 SolidWorks II

Course Description:
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

Course Title: SolidWorks II Lab (1Semster hour)

ETD2368L SolidWorks II Lab

Course Description:
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

Entrance Requirements

Achieve a 9th grade equivalency in Reading and Total Mathematics on the Test of Adult Basic Education test (TABE)

OR

Score at the Silver Level on the Florida Ready to Work Credential Examination in the following areas:

- Applied Mathematics
- Reading for Information
- Locating Information

OSHA 30 General Industry Certification Course

The OSHA Outreach Training Program for General Industry provides training for workers and employers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces in general industry. The program also provides information regarding workers' rights, employer responsibilities, and how to file a complaint.

Through this training, OSHA helps to ensure that workers are more knowledgeable about workplace hazards and their rights, and contribute to our nation's productivity.

Format: Online self-paced

Pre-Reqs: None

Quanta-Honors College

Quanta-Honors College

Daytona State's Quanta-Honors College is a learning community that offers an alternative to regular college classes for highly motivated students who value academic achievement and want the competitive advantage that an Honors degree gives.

Honors College students take all their general education courses in learning community clusters. (Major-specific courses may still be taken outside the Quanta Honors College program.) Each cluster is made up of three courses that are integrated around a theme. For example, fall semester 2015 will focus on issues of race and ethnicity in the United States, and spring semester will deal with the interaction of religion and politics in India, China and the Middle East.

The classes are challenging, but extensive support is available to ensure that students do well. Students work in small groups and will have plenty of time to discuss, explore new ideas and apply these ideas to real-world problems.

Why do students choose Quanta-Honors College for their associate degree?

Students tell us that they like the classes because they are participatory – we discuss rather than lecture. They like that we value thinking outside the box and challenging the conventional wisdom. And there are some awesome perks:

- In 2015, everyone will be using I-Pads in the classroom, so your books will cost less and we'll use real-time interactive activities in class.\
- You'll make a lot of new friends because you'll work mainly in small groups.
- Students who maintain a 3.25 grade point average will receive a 10-percent tuition refund each semester.
- Quanta-Honors students are provided a dedicated classroom with a student lounge and computers for their exclusive use.
- We help you figure out where to transfer for your bachelor's degree and help you decide on a major.

Entrance Requirements

Students are eligible to join the Quanta-Honors College if they:

- Have a high school grade point average of 3.25 or better OR
- Have PERT scores of 106 in reading and 103 in writing OR
- Have SAT scores of 500 in critical reading or math OR
- Have ACT scores of 20 in reading, English and math.

Graduating with a Quanta-Honors College degree

In addition to class work in the Quanta-Honors College program, students must complete the following requirements in order to graduate with an Honors degree:

- Do 60 hours of service learning in the community prior to earning the A.A. degree.
- Complete a final research project.
- Graduate with a cumulative grade point average of 3.25.

For more information about the Quanta-Honors College visit http://www.daytonastate.edu/honors, or contact:

Maggie Karda
Chair, Quanta-Honors College
Daytona State College
1200 West International Speedway Boulevard
Daytona Beach, Florida 32114

(386) 506-4219
KardaM@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. (All coursework used for GPA calculation is used, excluding Developmental courses)

- **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.

- **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.

- **Alpha Delta Nu** – National honors society for associate degree nursing students.

- **Sigma Kappa Delta** – National English honors society.

Small Business Development Center

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 consulting, training workshops, a business resource center, specialized assistance as well as online classes.

Consultant expertise focuses on areas vital to acclerating business growth:

- Feasibility Analysis and Start-up Assistance
- Strategic Market Research
- Business and Strategic Plan Development
- Market and Revenue Growth Strategy Development and Implementation
- Capital Access and Loan Packaging
- Financial Analysis and Assessment
- Accounting Systems and Financial Literacy

For more information please call (386) 506-4723 or visit our website at www.sbdcdaytona.com.

Study Abroad

Daytona State offers a variety of study abroad programs each academic year in which students can earn college credit. All study abroad programs are led by Daytona State faculty. Programs vary in length; although, most are less than two weeks in duration and are offered during the spring and summer semesters.

Details on upcoming study abroad programs can be found at http://www.daytonastate.edu/studyabroad or by contacting John Brady at (386) 506-3837.

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:

- Introduction to Composition (ENC1101)
- Oral Communications/Research/Presentation Skills (SPC2608)
- College Algebra (MAC1105) or Survey in 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
- Microcomputer Applications (CGS2100)*

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 LabI (ATE1650L)
- Veterinary Clinical Practice Lab II (ATE1654L)
- Laboratory Animal Medicine (ATE1671L)
- Veterinary Medical Terminology (ATE1741)
- Veterinary WorkPracticum I (ATE1943)
- Veterinary Work Practicum II (ATE1944)
- Small Animal Breeds and Behavior (ATE2050C)
- Professional Development Seminar (ATE2501C)
- Animal Anesthesia (ATE2611)
- Animal Medicine (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 Skills Lab (ATE2656L)
- Large Animal Diseases (ATE2661)
- Animal Emergency Medicine (ATE2710)
- Avian and Exotic Pet Medicine (ATE2722)
- Veterinary Work Practicum III (ATE2945)
- Veterinary Work Practicum IV (ATE2946)

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

*Recommended course

*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 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

- Barbering

- Cosmetology

- Culinary Operations – Baking and Pastry Specialization

- Customer Service Representative

- Machining

- Nursing Assistant (Long Term Care)

- 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.

1. 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.
2. 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.

3. 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:

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: http://www.fl.nesinc.com
4. 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.
5. Bachelor of Science in Education Program application
6. 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.
- Secondary Chemistry Education: Grade of "C" or higher in the following pre-requisite classes: MAC2311/L (4 credits), CHM1045/L (4 credits), CHM1046/L (4 credits), and one of the following: BSC1010/L, PHY2048/L, PHY1053/L, PHY1054/L.
- Secondary Physics Education: MAC2311/L (4 credits) and one of the following combinations: (PHY2048/L and PHY2049/L) or (PHY1053/L and PHY1054/L) AND(BSC1010/L or CHM1045/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 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.
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.

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 the Bachelor of Science in Information Technology

Applicants for the BSIT 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 BSIT 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 BSIT program if they have earned at least 60 BSIT 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 Information Technology program.

Admission Requirements for the Bachelor of Science in Nursing (BSN)

Applicants for the BSN must have earned an earned Associate of Science (AS) or Diploma in Nursing (Diploma must equate to the AS nursing degree). A minimum 2.5 cumulative grade point average also is required, as well as an Unencumbered Florida Registered Nursing License. Applicants must submit two professional letters of recommendation (one from a current or prior employer).

Upon receipt of the baccalaureate application and prior to completion of the application packet an acknowledgement letter will be sent. Once the application packet is complete, students will receive an acceptance letter. Upon acceptance to the BSN program, students will meet with academic advising to develop a curriculum plan (full- or part-time status). If MAC1033 or ENC 1101 are not complete, consult with an admissions advisor.

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 are home

schooled outside of Florida must submit proof they met the graduation requirements of their State. Students who completed high school in another country or who attended a college or university outside the U.S. 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. Please note that financial aid cannot be disbursed until all 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/April 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:

1. Submit an Admission Application - You can apply online or by downloading our application from 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 verification. Students who are home schooled outside of Florida must submit proof they met the graduation requirements of their State. Submit final, official transcripts from all colleges or universities you have attended. An official transcript is one that arrives in a **sealed envelope**. Electronic transcripts may be accepted if they are sent directly from the issuing institution. 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 international documents to the college.
2. 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 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.
3. Complete Placement Requirements – Students who are not exempt should fulfill their placement requirements by taking the P.E.R.T. 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.
4. Meet with an Academic Advisor - Talk with an academic advisor to interpret your placement test scores and discuss program requirements. Students must meet with an advisor prior to registering for the first time. Students are also encouraged to register with Career Services at this time.
5. Complete Online Orientation - Complete the Orientation requirement online from the MyDaytonaState portal - click LOGIN (retrieve Username and enter Default Password shown), select FalconNet from the menu bar to access FalconNet Online Services, and click on Orientation from left-hand menu.
6. Register for Classes - Search for your classes by using the Search Courses link. You have the option of registering online - under FalconNet Online Services (requires College UserName and College Password) - or registering on campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering.
7. 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 User Name and College Password).
8. 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 efollett.com.

Bachelor of Applied Science Enrollment Checklist:

1. Submit an Admission Application. You can apply online or by downloading our application from 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 verification. Students who are home schooled outside of Florida must submit proof they met the graduation requirements of their State. Submit final, official transcripts from all colleges or universities you have   attended. An official transcript is one that arrives in a sealed envelope. Electronic transcripts may be accepted if they are sent directly from the issuing institution. 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 international documents to the college.
2. 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 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.

3. 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.
4. Complete Online Orientation - If you are a new or readmitting Daytona State student, complete the Orientation requirement online at daytonastate.edu- under MyDaytonaState, FalconNet Online Services (requires College User Name and College Password).
5. Register for Classes - Search for your classes by using the Search Courses link. You have the option of registering online - under FalconNet Online Services (requires College User Name and College Password) - or registering on campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering.
6. 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 User Name and College Password).
7. 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 efollett.com.

Bachelor of Science in Education Enrollment Checklist

1. Submit an Admission Application. You can apply online or by downloading our application from 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 verification. Students who are home schooled outside of Florida must submit proof they met the graduation requirements of their State. Submit final, official transcripts from all colleges or universities you have attended. An official transcript is one that arrives in a sealed envelope. Electronic transcripts may be accepted if they are sent directly from the issuing institution. 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 international documents to the college. Submit General Knowledge Test scores and evidence of Volusia County volunteer clearance to the Admissions office.
2. 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 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.
3. 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.
4. Complete Online Orientation - If you are a new or readmitting Daytona State student, complete the Orientation requirement online at daytonastate.edu- under MyDaytonaState, FalconNet Online Services (requires College User Name and College Password).
5. Register for Classes - Search for your classes by using the Search Courses link. You have the option of registering online - under FalconNet Online Services (requires College User Name and College Password) - 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.
6. 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 User Name and College Password).
7. 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 efollett.com.

Bachelor of Science in Engineering Technology Enrollment Checklist

1. Submit an Admission Application. You can apply online or by downloading our application from 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 verification. Students who are home schooled outside of Florida must submit proof they met the graduation requirements of their State. Submit final, official transcripts from all colleges or universities you have attended. An official transcript is one that arrives in a **sealed envelope**. Electronic transcripts may be accepted if they are sent directly from the issuing institution. 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 international documents to the college.
2. 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 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.
3. 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.
4. Complete Online Orientation - If you are a new or readmitting Daytona State student, complete the Orientation requirement online at daytonastate.edu- under MyDaytonaState, FalconNet Online Services (requires College User Name and College Password).
5. Register for Classes - Search for your classes by using the Search Courses link. You have the option of registering online - under FalconNet Online Services (requires College User Name and College Password) - or registering on campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering.
6. 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 User Nameand College Password).
7. 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 efollett.com.

Bachelor of Science in Information Technology Enrollment Checklist

1. Submit an Admission Application. You can apply online or by downloading our application from 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 BSIT 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 verification. Students who are home schooled outside of Florida must submit proof they met the graduation requirements of their State. Submit final, official transcripts from all colleges or universities you have attended. An official transcript is one that arrives in a **sealed envelope**. Electronic transcripts may be accepted if they are sent directly from the issuing institution. 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 international documents to the college.
2. 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 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.
3. 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.
4. Complete Online Orientation - If you are a new or readmitting Daytona State student, complete the Orientation requirement online at daytonastate.edu- under MyDaytonaState, FalconNet Online Services (requires College User Name and College Password).
5. Register for Classes - Search for your classes by using the Search Courses link. You have the option of registering online - under FalconNet Online Services (requires College User Name and College Password) - or registering on

campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering.

6. 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 User Nameand College Password).

7. 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 efollett.com.

Bachelor of Science in Nursing Enrollment Checklist

1. Submit an Admission Application. You can apply online or by downloading our application from 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 BSN 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 verification. Students who are home schooled outside of Florida must submit proof they met the graduation requirements of their State. Submit final, official transcripts from all colleges or universities you have   attended. An official transcript is one that arrives in a **sealed envelope**. Electronic transcripts may be accepted if they are sent directly from the issuing institution. 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 international documents to the college. Submit proof of an active unencumbered Florida Registered Nursing license and two professional letters of recommendation to the Admissions office.

2. 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 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.

3. 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.

4. Complete Online Orientation - If you are a new or readmitting Daytona State student, complete the Orientation requirement online at daytonastate.edu- under MyDaytonaState, FalconNet Online Services (requires College User Name and College Password).

5. Register for Classes - Search for your classes by using the Search Courses link. You have the option of registering online - under FalconNet Online Services (requires College User Name and College Password) - or registering on campus at the Falcon Center. Remember to print your Schedule and Fee Statement to review your bill due date after registering.

6. 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 User Nameand College Password).

7. 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 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 three 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 the State public school system and institutions of higher education and their dependents
- Qualified beneficiaries under the Stanley G. Tate Florida Pre-Paid College Program
- Eligible non-immigrant categories: A, E, G, H-1B, I, K, L, N, O-1, 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/guardian's documentation for residency; whereas, independent students use their own documentation. For dependent students, the "claimant" is the parent/guardian; for independent students, the student is the "claimant." For more information regarding dependency, please see an Admissions Advisor.

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 prior to the first day of classes. The claimant must submit at least **two** of the following items with dates that evidence the 12 month qualifying period. At least one of the documents **must** be from the tier one list. No single document is considered conclusive and there must be no conflicting evidence present. Note that while the Admissions office makes every attempt to validate residency documentation as entered on the admission application the ultimate responsibility to ensure residency requirements have been satisfied belongs to the student.

First Tier (at least one of the two documents submitted must be from this list)

- A Florida voter's registration card.
- A Florida driver's license.
- A State of Florida identification card.
- A Florida vehicle registration.
- Proof of a permanent home in Florida which is occupied as a primary residence by the individual or by the individual's parent if the individual is a dependent child.
- Proof of a homestead exemption in Florida.
- Transcripts from a Florida high school for multiple years (2 or more years) if the Florida high school diploma or GED® was earned within the last 12 months.
- Proof of permanent full-time employment in Florida for at least 30 hours per week for a consecutive 12-month period.

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

- A declaration of domicile in Florida.
- A Florida professional or occupational license.
- Florida incorporation.
- A document 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, including, but not limited to, utility bills and proof of 12 consecutive months of payments; a lease agreement and proof of 12 consecutive months of payments.

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 Assistant Director of Admissions. The appeal will be reviewed and a response provided to the student's FalconMail email account.

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. (Online classes cannot be taken by International students).

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. International students are a vital part of our educational program. International students are required to meet with the International Student Advisor each semester of their enrollment. The college will do all everything it 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.

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:

1. 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.
2. Transcripts - College transcript requirements can be viewed at Daytonastate.edu/catalog/adm/transcripts.html. International students must submit all required transcripts prior to acceptance.
3. Verify Finances - Complete the Verification of Finances Form, which is available from the Admissions Office online at Daytonastate.edu/admissions.html. Complete both pages. 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.
4. 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.
- IELTS Bandwidth of 5.5 or higher is also accepted in place of TOEFL.
- Proof of completion of the equivalent of ENC1101, Introduction to 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.

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 programs 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
- Florida Law Enforcement Academy
- Health Information Technology
- Industrial Management Technology
- Massage Therapy
- Medical Assisting
- Medical Information Coder / Biller
- Nursing (Associate Degree)
- Nursing (Transition Into Profession)
- Occupational Therapy Assistant
- Paramedic
- Physical Therapist Assistant
- Practical Nursing
- Radiography
- Respiratory Care
- Surgical Technology
- Transit Technician I
- Transit Technician II
- Transit Technician III

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

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;
- inform you about campus services such as Student Disability Services, the Academic Support Center and the Writing Center;
- help you find information on transfer programs and how to best prepare to meet transfer requirements.

Academic Advisors also reach out to you when your instructor reports that you are having difficulties in class, notify you about courses you should be taking to meet the graduation requirements for your major, talk to you about your intended transfer college and major, and contact you periodically to make sure you have the help you need to be successful in school.

First-Semester Advising

All new students are required to meet with an Academic Advisor before they can register for their first semester of course work. 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. Advisors will also review important information that you need to be successful in college. Once your advisor recommends classes, you are responsible for selecting your course meeting days and times and registering for your courses online or in the Falcon Center on the campus of your choice. More specific descriptions about services and department contacts are available under Academic Advising at http://www.daytonastate.edu.

Continuing Student Advising

Both professional and faculty academic advisors are available to assist 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 an A.A. degree program, your 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.

The Associate of Arts Degree (A.A.) is a degree that is intended for students who will be transferring into a bachelor's degree program. The state of Florida requires that advisors make students declare an intended transfer college/university and major before the student completes 30 credit hours of coursework. In addition, the advisor is required to inform you of the list of pre-requisite courses for your intended bachelor's degree program. If you have not already declared this information with your advisor, you will receive an advising hold when you have completed 15 college credits. You must meet with an academic advisor and declare this information before the hold is released.

Please note: There is only one A.A. degree at DSC. Advisors will assign you a secondary "Advising Major" in order for you to have a list of pre-requisite courses needed for your intended bachelor's degree major.

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 the Wetherell Building (100) on the Daytona Beach Campus or talk to a faculty member in your major. You can also email the advising office from your FalconMail account at advising@daytonastate.edu. The Advising email account is answered every business day.

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 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.

Dual enrollment students are eligible to use all services available to other students including the Academic Support Center, Writing Center, student activities, student clubs, Career Services, Student Disability Services and enrollment services such as Advising and Assessment.

Current information about the Dual Enrollment program, including entry qualifications and current Articulation Agreements are available at http://www.daytonastate.edu/advising/deaeandged.html

Orientation

FalconNet Online Services

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 UnionSpecial Credit, including 0001 Non-Degree, 0002 Employment, 0004 and 0007Transient 0003Dual Enrollment, including 0005 Daytona State HS, 0008 Dual Vol./Flagler, 0009 Private1056 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)

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 under Online Services at http://www.daytonastate.edu. 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) when you initially sign in, and you will be requested to change it to a PIN only you know. 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).

If you have any questions about Orientation, contact Academic Advising.

Assessment and Placement

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

A student who entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the U.S. Armed Services shall not be required to take the common placement test and is not required to enroll in developmental education.

Students who entered the 9th grade in a Florida public school prior to the 2003-2004 school year or did not attend a Florida public high school must take the Florida Post Secondary Education Test (P.E.R.T.) or submit SAT, ACT, Accuplacer, or FCAT scores that exempt them from the college developmental education 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.

Placement Test Scores - All placement test score results and test scores used for exemption to taking a placement test are valid for 2 years. There is an exception for Adult Education placement testing.

Developmental Education - Students will meet with Academic Advising for recommendations about Developmental Education courses.

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 College. 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 F.S. 1001.64, 1007.27; FAC 6A-10.024.

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 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
- Daytona State entrance exams - CJBAT, TEAS
- APLE (Assessment of Prior Learning Experience) exams
- CLEP (College Level Exam Program) exams
- FCAT (Florida Comprehensive Assessment Test) make-up exams
- Certification Exams - IT, SOCE, MSSC, FTCE, AHIMA, FLORIDA FIRE STANDARDS & PREVENTION
- 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.

New Student Assessment

Per Florida state rule 6A-10.0315, a degree-seeking student who entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the U.S. Armed Services shall not be required to take the common placement test and shall not be required to enroll in developmental education. Students who entered the 9th grade in a Florida public school prior to the 2003-2004 school year or did not attend a Florida public high school must take the Florida Post Secondary Education Test (P.E.R.T.) or submit SAT, ACT, Accuplacer, or FCAT 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 who are not eligible for the above rule may be required to take a placement test unless they 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 assessment instruments approved for general admission to the college. The Postsecondary Education Readiness Test (P.E.R.T.), and the Test of Adult Basic Education (TABE). Each measures 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 Career and Technical Education (CTE) 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 19 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 (Introduction to 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.
- FCAT scores of 262 or above on Reading 2.0 or 375 or above on Math (Level 5).

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 19 or above on the reading, or 17 or above on English or 19 or above on math
- PERT scores of 106 or above on the reading, or 103or above on the writing, or 114 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
- FCAT scores of 262 or above on Reading 2.0 or 375 or above on Math (Level 5)You already have an Associate in Applied Science degree or higher.

For **Career and Technical Education (CTE) certificate programs** and the EMT, Office Support and Paramedic certificate programs, the School of Adult Education offers CTE preparatory instruction for the TABE exam for those students who have not met the basic exit-level test requirements.

Developmental Education

Students will meet with Academic Advising for recommendations about Developmental Education courses.

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 A.A. 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).

SLS1122 – Managing your Success is required in the first semester for all Associate of Arts degree. Students must earn a "C" or better in the course to graduate with an AA degree.

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 highest earned grade 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.

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 A.A. 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 A.A. degree requirements, indicating that the prior education is not comparable. Students transferring with a prior degree, A.A. or higher, are not allowed enrollment in the A.A. program to rehabilitate their GPA or to meet university prerequisites. Students with a prior A.A. 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.

Foreign Language Requirements for A.A. and Bachelors

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 A.A. degree. All A.A. and bachelor's degree recipients must meet the foreign language requirement.

Catalog Year

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 appeal to their academic department 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.

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 are submitted online, following the graduation deadline dates located on the Academic Calendar or the Records and Registration webpage. 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 A.A. 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 Florida Law Enforcement Academy 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 four years. Contact Assessment Services on any campus for testing schedules and test fee information.

Placement Tests and Exemptions

Please note that assessment may be required for first-semester students. Per Florida state rule 6A-10.0315, a degree-seeking student who entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the U.S. Armed Services shall not be required to take the common placement test and is not required to enroll in developmental education. All students who entered 9th grade in a Florida public school prior to the 2003-2004 school year or did not attend a Florida public high school must take the Florida Post Secondary Education Test (P.E.R.T.) or submit SAT, ACT, Accuplacer, or FCAT scores that exempt them from the college developmental program or they must submit college transcripts that show the completion of Freshman English I or Intermediate Algebra. The above placement test rule applies to students enrolling in CTE, Career and Technical Education, programs. If the student earned a Florida standard high school diploma, they are exempt from taking the TABE and meeting basic skills requirements.

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 Career and Technical Education 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 19 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 (Introduction to Composition) or MAT 1033 (Intermediate Algebra) at another college
- FCAT scores of 262 or above on Reading 2.0 or 375 or above on Math (Level 5)

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 19 or above on the reading, or 17 or above on English or 19 or above on math
- P.E.R.T. scores of 106 or above on the reading, or 103 or above on the writing, or 114 or above on the math.
- Accuplacer(CPT) scores of 83 or above on the reading, or 83 or above on the sentence skills for math 85 or above on arithmetic and 72 or above on the elementary algebra
- You already have an Associate in Applied Science degree or higher.
- FCAT scores of 262 or above on Reading 2.0 or 375 or above on Math (Level 5)

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. 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 Daytonastate.edu/scholarships or at the Financial Aid Services Office located on the Daytona Beach Campus in the Wetherell Student Services Building (Building 100, Room. 104).

For additional scholarship information, please call (386) 506-3473.

Financial Aid Eligibility Requirements

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

1. Be a United States citizen or an eligible non-citizen.
2. 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 that has been approved by Daytona State College will be considered enrolled at Daytona State for the purpose of applying for federal aid.
3. Be accepted at Daytona State as a "regular" student, defined as one who is pursuing an AA, AS, BAS, or BS degree, or an approved vocational certificate.
4. 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, AS, BAS, or BS degree or an approved vocational certificate.
5. Be making progress toward completion of courses of study in compliance with Financial Aid Satisfactory Academic Progress Standards.
6. Not be in default on a loan or owe a repayment on any previous financial aid received.
7. Be registered with the Selective Service if required to do so.
8. Have a standard high school diploma or GED®. (The official high school transcript or official GED® transcript must be submitted to the Admissions Office. Please check with the Admissions Office regarding the requirements to submit the official high school or GED® transcript.)
9. Have a valid Social Security number.
10. Sign a statement of educational purpose and a certification statement on overpayment and default. (Both statements are included on the Free Application for Federal Student Aid [FASFA].)
11. Have financial need, except for some loan programs.

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 DSC OneCard. Each registered Daytona State student will receive a DSC 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 DSC 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 DSC OneCard, or a deposit to the student's bank of choice. For more information on the DSC OneCard go to DaytonaState.edu/studentaccounts/onecard.html.

Students activate the DSC OneCard and make the refund selection online at 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 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. [NOTE: Students in vocational credit (clock hour) programs are not eligible for the second disbursement of financial aid until the student has successfully completed the required weeks of attendance and clock hours.]

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 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 an IRS Tax Transcript). 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 June 30, 2015. 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 June 30, 2015.

Standards of Satisfactory Progress

Financial Aid Satisfactory Academic Progress Policy

The following will be in effect for all periods of enrollment following the Spring 2014 semester to meet U.S. Department of Education regulations.

Financial Aid Satisfactory Academic Progress will be reviewed each semester for all students. In order to determine if a student is meeting the financial aid satisfactory academic progress standards, all official transcripts from any previous post-secondary school attended are required. Students are usually notified by FalconMail email within a week after each semester has ended if they are not meeting the financial aid standards of satisfactory academic progress (or after the FAFSA is received, or after all official transcripts are received and evaluated). Students can view their financial aid satisfactory academic progress status (as well as the effective semester/year for that status) on FalconNet under Financial Aid Awards.

Good Standing

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

1. Successful Completion Ratio: Earn 67 percent 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);
2. 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);
3. Maximum Time Frame: Graduate within 150 percent 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 percent 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 percent timeframe, not when the 150 percent 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, FN, 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. (Please note: Academic amnesty does not apply to the financial aid standards of satisfactory academic progress.)

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. (Please note: Academic amnesty does not apply to the financial aid standards of satisfactory academic progress.)

Maximum Credit Review/Pace

Under this standard, students must complete their degree or certificate within 150 percent 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 are all ESL courses and non-credit courses. [For Associate degree programs, a maximum of 90 attempted credits; for Bachelor degree programs, a maximum of 180 attempted credits; for certificate programs, 150 percent of the published length of the certificate program.] (Please note: Academic amnesty does not apply to the financial aid standards of satisfactory academic progress.) Students will also be ineligible for financial aid as soon as it is determined to be mathematically not possible to graduate within the 150% timeframe, not when the 150 percent timeframe is reached. If you exceed the maximum number of credits (or if it is determined to be mathematically not possible to complete your degree/program within the 150 percent timeframe), 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 (Academic Plan) from an advisor indicating the courses and credits required to complete your degree or certificate program.

If approved for an appeal for exceeding 150 percent 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 and be ineligible for financial aid.** All attempted credits, including incomplete grades and repeats, are counted toward the 150 percent maximum time frame. Once the number of approved attempted credits is reached or 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 percent 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 (death of an immediate family member; serious illness/injury resulting in excessive class absences; non-voluntary military activation). 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, and the student will be ineligible to receive financial aid.

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 are approved for Probation 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.
• 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 the student may become eligible for aid 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, FN, or W. (Please note: For vocational courses, a student may not receive financial aid 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.

Completion Rate Chart for Successful Progression toward a Degree or Eligible Certificate by Term

The chart below demonstrates 67 percent completion rate for attempted hours in a semester. The left-hand column is the attempted hours, and the number of credits needed to be successfully completed with at least a 2.0 GPA (2.5 GPA for students in BS in Education) is in the right-hand column. For example, if you register for 11 credit hours, you must successfully complete 8 credit hours with a 2.0 GPA or higher to meet the satisfactory academic progress completion rate requirement for the semester. Both the 2.0 GPA (2.5 GPA for students in BS in Education) and completion rate of 67 percent applies to both the semester and cumulative credit hours on your transcript.

Credit Hours Attempted	Earned Hours Needed (Passed with GPA of 2.0 or greater)
19	13
18	13
17	12
16	11
15	11
14	10
13	9
12	8
11	8
10	7
9	7
8	6
7	5
6	5
5	4
4	3
3	3
2	2

1	1

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 the Wetherell Student Services Building (Building 100, Room 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). 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. Eligibility is not based on financial need. These jobs are located on campus, and funds are limited.

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 Services 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 Services 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 Services 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.

Federal Requirements Relating to Financial Aid

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), Iraq Afghanistan Service Grant, Federal Direct Loan (subsidized and unsubsidized), and Federal Direct Parent PLUS Loan. A student who withdrawals from or stops attending courses (considered an unofficial withdrawal) 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. If a student plans to attend both the A term and the B term, and withdraws from all classes in the A term or withdraws from all classes in the B term, he/she may be required to repay all or a percentage of the federal aid received. For example: A student who withdraws from all A term classes prior to completion of more than 60 percent of that term, and is registered for B term classes, must confirm in writing at the time of withdrawal from the A term that he/she does intend to enroll in the B term classes. If the student does not submit this written confirmation of the intent to enroll in the B term classes at the time of withdrawal from the A term, the student will be considered withdrawn for financial aid purposes, and the student may be required to repay all or a percentage of the federal aid received. (Also, if the student completes all classes from the A term, but withdraws (or drops) from all classes from the B term, the student will also be considered withdrawn for financial aid purposes, and the student may 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. These funds are returned in a specific order until each program is reimbursed up to 100 percent of the amount received by the student for that term. The distribution order for the return of funds is as follows:

- Federal Direct Unsubsidized Loan
- Federal Direct Subsidized Loan
- Federal Direct Parent PLUS Loan
- Federal Pell Grant
- Federal SEOG
- Federal TEACH Grant
- Iraq Afghanistan Service Grant

If determined by the calculation, the student must repay the portion of the original grant overpayment that is in excess of half of the total Title IV grant funds that he/she received or could have received. The student does not have to repay grant overpayments of $50 or less per program. Any repayment of Title IV loans is to be repaid under the conditions of the existing promissory note. A student who owes a grant repayment remains ineligible for further Title IV financial aid until the grant is repaid, unless the student and the U.S. Department of Education agree on a satisfactory repayment arrangement. The U.S. Department of Education allows a student to retain eligibility for 45 days from the date that the institution sends the repayment notification to the student. After 45 days, the student will either have to pay the overpayment in full or make satisfactory arrangements with the U.S. Department of Education to repay the overpayment to retain eligibility for Title IV financial aid.

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.

Please contact the Financial Aid Services Office at 386-506-3015 or email us at financialaid@DaytonaState.edu if you have any questions regarding financial aid.

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; 6-8 college credits per semester is considered half-time enrollment; and 1-5 college credits per semester is considered less than half-time enrollment. Pell Grants range from $300-$5,730 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]). The maximum timeframe that a student would be eligible to receive a Federal Pell Grant is 12 semesters of full-time enrollment (600 percent).

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. 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, 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.

Federal Teacher Education Assistance for College and Higher Education (TEACH) Grant - Funded by the Federal Government, this grant is for undergraduate students in the B.S. in Education degree in a high need field such as Bilingual Education and English Language Acquisition, Foreign Language, Mathematics, Reading Specialist, Science, Special Education, and other identified teacher shortage areas. Students must have at least a 3.25 cumulative grade point average. The maximum grant per semester is up to $2,000 for full-time attendance. In exchange for receiving a TEACH Grant, the student must agree to serve as a full-time teacher in a high -need field in a public or private elementary or secondary school that serves low-income students. The student must teach for at least four academic years within eight calendar years of completing the program of student for which he/she received a TEACH Grant. If the student fails to complete this service obligation, all amounts of TEACH Grants that were received will be converted to a Federal Direct Unsubsidized Loan. The student must then repay this loan to the U.S. Department of Education. The student will be charged interest from the date the grant was disbursed. For more information, please visit the website.

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 website at http://www.bie.edu/ParentsStudents/Grants/index.htm.

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, 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. Funds are limited.

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. Funds are limited.

D. Direct 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. [NOTE: Students in vocational credit (clock hour) programs are not eligible for the second disbursement until the student has successfully completed the required weeks of attendance and clock hours.] A loan disbursement will not be made after a student ceases to be enrolled in at least six credit hours. **A student must submit a Direct Loan Request Form to the Financial Aid Services Office to request a subsidized/unsubsidized loan.**

The loans available at Daytona State are listed below:

Federal Direct Subsidized Loan – Federal Direct Subsidized Loans are made by Department of Education eligibility is based on financial need. The loan's interest rate is 4.66% percent for loans first disbursed on or after July 1, 2014 and before June 30, 2015. Students must be enrolled in an eligible program at least half-time, and enrolled in courses required by that program. 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). There is a 1.073% origination fee which will be deducted from the gross amount of the loans disbursed on or after December 1, 2014. 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.

IMPORTANT INFORMATION FOR FIRST-TIME BORROWERS:

For the 2015-2016 academic year, the Moving Ahead for Progress in the 21st Century Act establishes a time limit on Direct Subsidized Loan eligibility for first-time borrowers. A first-time borrower is a student who has no outstanding balance of principal or interest on a Direct Loan or FFEL (Federal Family Education Loan) as of July 1, 2014, or the date the borrower obtains a Direct Loan after July 1, 2014.

First-time borrowers will no longer be eligible for a Direct Subsidized Loan once the student has received the Direct Subsidized Loan for a period that is 150 percent of the published length of the student's current educational program (as determined by years). Below are examples of the 150-percent maximum eligibility periods for Daytona State College degree and certificate programs:

Program Length		Maximum Eligibility Period
4-year bachelor degrees	X 1.5	6.0 years
2-year associate degrees	X 1.5	3.0 years
1-year certificate programs	X 1.5	1.5 years

A first-time borrower who loses eligibility for additional subsidized loans as a result of reaching the maximum eligibility period also loses the interest subsidy on subsidized loans received on or after July 1, 2014 for all periods if the student did not complete the program and continues enrollment in the same program or enrolls in another program of the same or shorter length. The loss of the interest subsidy would be effective on the date of the continued or new enrollment.

Please Note: The determination of the 150-percent limit on Direct Subsidized Loan eligibility is not the same as the financial aid standards of satisfactory academic progress maximum time frame of 150 percent for completion of a degree or certificate program. The financial aid standards of satisfactory academic progress maximum time frame is based on 150 percent of the program length as determined by total attempted credits.

Federal Direct Unsubsidized Loans – Federal Direct Unsubsidized Loans are available for students who do not qualify, in whole or in part, for Federal Direct Subsidized Loans. Students must be enrolled in an eligible program at least half-time, and enrolled in courses required by that program. The loan's interest rate is 4.66% for loans first disbursed on or after July 1, 2014 and before June 30, 2015. There is a 1.073% origination fee which will be deducted from the gross amount of the loans disbursed on or after December 1, 2015. 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 Direct Unsubsidized 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.

*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 Direct Parent PLUS Loans - Federal Parent Direct 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, and enrolled in courses required by that program. The interest rate is 7.21% for loans first disbursed on or after July 1, 2014 and before June 30, 2015. There is a 4.292% origination fee which will be deducted from the gross amount of the loans disbursed on or after December 1, 2013. 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 want to borrow on a Federal Direct 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 Direct Subsidized/Unsubsidized Loan, the student must first complete a FAFSA. After the student receives the financial aid award letter, the student can submit a Direct Loan Request Form to the Financial Aid Services Office to request a subsidized/unsubsidized loan. Allow approximately four to six weeks from the initial date of completion of the Direct Loan Request form for processing of the loan to be completed.

Before borrowing under one or more of the Direct 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.

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).

College Credit

Please note—Tuition for in-state Bachelor students: $2,901*; out-of state Bachelor: $15,219*

Direct Educational Costs (Estimated)		
	In-State	**Out-of-State**
Tuition (24 college credits) *	$2,508*	$9,763*
Indirect Educational Costs (Estimated)		
Books & Supplies	$1200	$1200
Room & Board	$2,128 (dependent)	$2,128 (dependent)
	$6,000 (independent)	$6,000 (independent)
Personal	$1,624 dependent	$1,624 dependent
	$1,600 independent	$1,600 independent
Transportation	$700 dependent	$700 dependent
	$1,500 independent	$1,500 independent
Total Budget	$8,160 (dependent)	$15,415 (dependent)

		$12,808 (independent)	$20,063 (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 2014-2015 rates.

Vocational Credit

Direct Educational Costs (Estimated)		
	In-State	**Out-of-State**
Tuition (24 college credits)*	* $2,014	* $8,056
Indirect Educational Costs (Estimated)		
Books & Supplies	$1,200	$1,200
Room & Board	$2,128 (dependent)	$2,128 (dependent)
	$6,000 (independent)	$6,000 (independent)
Personal	$1,624 dependent	$1,624 dependent
	$1,600 independent	$1,600 independent
Transportation	$700 dependent	$700 dependent
	$1,500 independent	$1,500 independent
Total Budget	$7,666 (dependent)	$13,708 (dependent)
	$12,314 (independent)	$18,356 (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 2014-2015 rates.

Veterans Affairs

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", "FN", 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 percent or more of the total hours in a given enrollment period (or cumulative absences exceeding 10 percent 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

If you are receiving veterans benefits, the Veterans Certifying officer is located in the Veterans Center (Daytona Campus, Building 130, Room 124). The Veterans Certifying officer, Wanda Bailey, can be reached at 386-506-3545 and the Veteran Center Coordinator, John Darnell, can be reached at 386-506-3065.

For additional information or questions, contact the Department of Veterans Affairs Regional Office at 1-888-442-4551 or e-mail 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, 1992;
• 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, 2014, 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, 2014, 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

Satisfactory Academic Progress

Proposed effective date: July 1, 2015

The college graduation requirement states a student must have earned 2.0 cumulative GPA **and** a 2.0 GPA for Daytona State College classes. Therefore, students have this minimum GPA requirement as a goal throughout their enrollment, and the plan outlined below outlines the process for informing, advising, and counseling students who fall below this minimum threshold.

For the Satisfactory Academic Progress policy described below, the term "cumulative GPA" is defined to mean either the cumulative GPA or the Daytona State College GPA, because both must be met to meet the graduation criteria.

Academic Alert
The first time a student's cumulative GPA falls below 2.0 (at least six (6) or more credits attempted) will be considered to be on Academic Alert. Each student will be contacted by email and/or phone by an academic advisor or faculty mentor to discuss issues with course work and why student was unsuccessful. After completing the Alert semester, a student's whose term GPA is below a 2.0, will be placed on Academic Warning and notified. A student who earns a term GPA greater than 2.0 while on Academic Alert, but is still less that a 2.0 cumulative GPA, will remain on Academic Alert.

Academic Warning
A student is considered to be on academic warning when either the term GPA while on Academic Alert, or the cumulative GPA is below 2.0 after completing an Academic Alert semester. A student on academic warning will have an advising hold placed on the student's record and is required to speak to an academic advisor to develop an academic plan to ensure the student works toward good standing good standing. A student on Academic Warning will remain on Academic Warning until the cumulative GPA reaches 2.0 when the student is returned to good standing. After completing the Academic Warning semester, if the student's term GPA is below a 2.0, the student is placed on probation and notified at the end of the term.

Probation
A student is considered on probation when either the term GPA or cumulative GPA is below 2.0 and they had a previous academic warning classification in which they were not successful in returning to good academic standing. A student is informed of the probation classification at the end of the term. A student on academic probation will have an advising hold placed on the student's record and is required to speak to an academic advisor to develop an intervention strategy that would assist them in meeting individualized educational goals. Required strategies will include but are not limited to:
a. Repeating all courses where the final grade of "D" or "F" has been earned and/or
b. Enrolling in fewer courses than past attempts in a given term

A student will be removed from academic probation and returned to good standing when his/her cu mulative GPA is a 2.0 or higher. A student will return to Academic Warning status if his/her term GPA is a 2.0 or higher but the cumulative GPA is still below a 2.0. If while on probation, the student fails to earn a 2.0 term GPA, the student's status will be changed to academic suspension.

Academic Suspension

Students placed on suspension will be required to stop enrollment for one major semester (Spring or Fall). A student 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.

If a suspended student wishes to return, he/she may submit an appeal to the Records Office requesting reinstatement. 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. If the student does not earn a 2.0 term GPA in their return, completing all classes attempted, the suspension will be reinstated.

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 with grades of "F" will still use the current grade forgiveness policy that uses the highest 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.

Continuous Enrollment Requirement for Graduation

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. Students cannot use the "opt out" provisions of FERPA to prevent disclosure of name, institutional e-mail address, or other identifier in classes in which they are enrolled.

Disclosure of Education Records

A school must:

1. Have a student's written consent prior to the disclosure of education records
2. 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:

1. 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.
2. 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.
3. 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.
4. The disclosure is to the parents of a student who is a dependent for income tax purposes.
5. The disclosure is in connection with determining eligibility, amounts and terms for financial aid or enforcing the terms and conditions of financial aid.
6. The disclosure is pursuant to a lawfully issued court order or subpoena.
7. The information disclosed has been appropriately designated as directory information by the school.
8. The disclosure without consent is allowed when the school is returning records to the apparent creator (e.g. of a transcript) to verify authenticity.

9. 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.
10. 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:

1. Student name and city of residence
2. Student college sponsored email address
3. Date of birth
4. Enrollment status
5. Major and fields of study
6. Participation in college recognized activities and athletics
7. Dates of attendance
8. Degrees and awards received
9. Most recent educational institution attended
10. 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.

1. 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.
2. Requests for additional information or for other purposes may be made in writing or by email to the college registrar.
3. If the request is being made by an individual, it must indicate the name, address, email address and phone number of the requestor and the reason for the request.
4. 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:

1. Provide a student with an opportunity to inspect and review his or her education records within 45 days of the receipt of the request.
2. 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.
3. 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:

1. Consider a request from a student to amend inaccurate or misleading information in the student's education records.
2. Offer the student a hearing on the matter if it decides not to amend the records in accordance with the request.
3. 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:

1. Seek to change a grade or disciplinary record.

2. 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.. Students cannot use the "opt out" provisions of FERPA to prevent disclosure of name, institutional e-mail address, or other identifier in classes in which they are enrolled.

Authorization of non-directory student information - Students may authorize Daytona State College to release specific information as documented on the Release of Academic/Financial Information form.

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 MyDaytonaState account through *FalconNet Online Student Services*. 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 before the middle of the next major 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:

1. Must withdraw by the deadline for the semester (published in the academic calendar).
2. May initiate the withdrawal process at any Falcon Center location or online.
3. 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.
4. 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.
5. 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 A.A. 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).

SLS1122 – Managing your Success is required in the first semester for all Associate of Arts degree. Students must earn a "C" or better in the course to graduate with an AA degree.

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 highest earned grade 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.

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 A.A. 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 A.A. degree requirements, indicating that the prior education is not comparable. Students transferring with a prior degree, A.A. or higher, are not allowed enrollment in the A.A. program to rehabilitate their GPA or to meet university prerequisites. Students with a prior A.A. 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.

Foreign Language Requirements for A.A. and Bachelors

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 A.A. degree. All A.A. and bachelor's degree recipients must meet the foreign language requirement.

Catalog Year

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 appeal to their academic department 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.

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 are submitted online, following the graduation deadline dates located on the Academic Calendar or the Records and Registration webpage. 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 A.A. 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:

1. **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:

2. **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.
3. **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.
4. **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:

5. **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.
6. **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.
7. **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

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 developmental 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:

1. Fulfill all admission and placement testing requirements of the College
2. Register on the designated State Employee registration dates as indicated in the academic calendar
3. Enroll only in courses on a space-available basis
4. 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
5. 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:

1. 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/Falcon Center). 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.
2. 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.
3. Reinstatements may not be processed after the midpoint of the subsequent semester (I-grade deadline published in the catalog).
4. 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.
5. Students who withdraw from class(es) may not be reinstated.

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

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/finaid/index.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

Substitutions/Waivers

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

1. The student must provide Student Disability Services a written diagnosis stating the disability and the specific subject affected by the disability.
2. The student must submit a request for a course substitution. This request must include the following:
    1. Documentation of the his/her disability, which is the basis for the request
    2. Proof that his/her failure to meet a course requirement is caused by his/her disability
    3. A copy of his/her complete college transcript and current class schedule
    4. A list of the accommodations that he/she could use in lieu of a course substitution
    5. 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
    6. His/her completed, signed and dated Course Substitution Form
    7. A typed essay that conforms to the conventions of Standard English in which the student explains the following:
        1. 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;
        2. 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.
        3. 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.
        4. 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.
3. 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
4. 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

1. 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.
2. 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
3. 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

1. The student must have completed his/her occupational program of study with a cumulative GPA of 2.0 or greater.
2. He/she must have the recommendation of his/her occupational program manager.
3. 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.
4. He/she must have taken the TABE two times before petitioning for an exemption.

Process to Request for a TABE Exemption:

1. Students will complete a TABE Waiver Request Form after meeting the requirements listed above. Forms are available in the College Assessment Center.
2. 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
3. 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.
4. The Committee shall approve or disapprove the student's request for a TABE Waiver based on a majority vote.
5. 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.
6. 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.

7. Daytona State College, Assessment Services institutional policy is based upon the Basic Skills Exemption, Rule 6A-10.040 FAC.

Transcripts

Requesting Daytona State College 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:

Current Students

- If you are a current student and know your username and password, you can use the automated authentication process.
- Sign in to the student portal at MyDaytonaState.edu
- Enter your username and password at the top of the screen
- Click on the FalconNet tab on the menu bar
- Select the Records link on the left menu
- Click on the Official Transcript link to order your transcript.

If you are a current student and do not know your username and password, click on the Retrieve College ID and Falconmail address link listed on the log in page: https://webapps.daytonastate.edu/ICS/.

Former Students may request transcripts at https://webapps.daytonastate.edu/ICS/alumni.

After accessing the page:

- Click on Request Alumni Access
- Enter your last name
- Enter the last four digits of your Social Security Number
- Enter your birthday
- Click on Submit (Note: It may take up to 20 minutes for your file to update.)

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&A Center at your local campus.

Download an Official Daytona State High School Transcript Request Form.

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 or visit 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.

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.

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.

Transfer information

The State of Florida mandates that Florida state colleges require all Associate of Arts degree seeking students to declare an intended Bachelor's degree major and transfer institution by the time the student has earned 30 credit hours. In addition, advisors are required to provide students with information about required transfer pre-requisites for their intended transfer school/major if it is a Florida Public institution.

An advising hold will be placed on the record of all Associate of Arts degree seeking students when they have earned 15 credit hours toward their degree if the student has not previously declared an intended transfer major/institution. Students will be required to meet with an Academic Advisor to discuss transfer information and declare an intended bachelor's degree major/institution.

Students who are undecided will be encouraged to work with a Career Advisor or take a Career course. Links to websites that can help you with this decision are also available on the Career Services website at http://daytonastate.edu/career_services.

Transfer Students

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. There is a one-semester grace period to provide all prior college transcripts, even if no credits are to be transferred, as well as an official high school transcript. 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.

Transferring Courses and Grades to the Daytona State College Transcript

The college requires submission of all prior college transcripts, even if no credits are to be awarded in transfer. All lower-level (developmental, freshman and sophomore) transfer credit courses will be evaluated and posted to your Daytona State College record. Grades received at prior colleges will be included in the cumulative grade point average, except for developmental courses. The Records Office will evaluate and post credits to your DSC record and notify you when your evaluation is completed by sending an email to your FalconNet email address. Completed transfer evaluations can be viewed on Falcon Net Online Student Services, located under RECORDS-TRANSFER EVALUATION.

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:
• 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; although, they will count toward financial aid satisfactory academic progress. Students who were enrolled at the college prior to Fall 2009 must submit an Academic Second Chance appeal in order to have these courses removed from the transcript. For more information refer to the Academic Second Chance Policy.
• Courses that were taken at an upper-level (junior, senior etc.) for which there is no comparable Daytona State College course.

We accept credits from institutions accredited by the following regional accreditation agencies:
• 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 Association of Schools and Colleges
• 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

Transfer Credits from Non-Regionally Accredited Institutions

If the transfer institution is not regionally accredited by one of the agencies listed above, credits 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 and course syllabi. Students must submit official transcripts to the Admissions Office and the documentation for credit to be considered. However, if the student chooses not to have any of these credits considered for transfer to Daytona State College only the official transcript is needed. Contact the Records Office for further information.

Transfer of International credits:

• Request an official college transcript. An official transcript is one that is mailed directly from the issuing institution to the Daytona State College Admissions Office or hand-carried in a sealed envelope.

• Obtain official course-by-course evaluation of educational credentials prepared by one of the recognized National Association of Credential Evaluation Services (NACES). Please refer to the NACES LIST or contact NACES at info@naces.org or www.naces.org. (An official evaluation is one that is mailed directly from the evaluation service to the DSC Admissions Office.
• In order to receive credit for coursework taken at an international institution, provide translated course descriptions or detailed course outlines for all courses that may apply to your program of study at Daytona State College to the Records Office.
• Courses are evaluated on a course-by-course basis by the appropriate department chairperson..
• Students are not required to transfer international credits; however, they must provide Daytona State College with the official transcript and evaluation of their educational credentials.

Non-Traditional Credit Evaluation/Conversion of Credit

The state of Florida Statutes and Rules define the types of non-traditional credit that may be accepted for transfer and specifies minimum scores when applicable. Credit may be awarded per FAC 6A-10 guidelines and the Articulation Coordinating Committee Credit-By-Exam Equivalents, adopted November 14, 2001, and the American Council on Education recommendations and the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). The Advanced Standing and Conversion of Credit are the methods of earning credit for knowledge gained outside the normal classroom setting.

Advanced Standing methods include: • Nursing

Conversion of Credit methods include: • Military Training • Business and Industry Training Programs • Vocational Credit to College Credit

Request the official transcript, official examination results or official credentials be mailed to the Admissions Office or provided to the Assessment Services Office.

The Records Office reviews the transcripts, credentials, etc. for completeness and clarity in accordance with state of Florida Statutes and Rules when applicable. The Advanced Standing or Conversion of Credit form and credentials are forwarded to the appropriate department chairperson for determination of credit acceptance and DSC equivalencies.

The procedure for researching and submitting documentation and credentials of learning experiences are as follows:
• Business and Industry Training programs courses are researched in the ACE National Guide for Training Programs.
• Vocational to College Credit courses are submitted on the Conversion of Credit Form from the appropriate department and approved by Assessment Services.
• Advanced Standing – Nursing credit is submitted on the Advance Standing Form by the Nursing Department with documentation of licensure attached.
• Military courses are researched via the American Council on Education (ACE) guides under ACE Evaluation of Educational Experiences in the Armed Forces.
• Specification that if the course to which the military training or coursework is determined equivalent fulfills a general education or major course or degree program requirement, the credit will apply toward the award as such. Otherwise, credit will be granted to the extent elective credits are needed to fulfill program requirements.
• A receiving Florida public postsecondary institution may accept in transfer any military credit that was previously evaluated and awarded by a Florida public postsecondary institution, and that is appropriate to the student's program of study.

Military evaluation process follows the State Rule 6A-14.0302 Credit for Military Service

The appropriate chairperson determines course and credit to be awarded and records the course/credits on the Conversion of Credit Form. All materials are returned to the Records Office for processing. Duplicate Credits will not be awarded for any course for which the student has a grade of C or higher, or has earned prior credit by exam. Credit awarded is posted to the student's academic record with the grade of "CR" (credit). Student will receive credit hours earned. Earned credits are not computed into the student's GPA. The student may access the credits awarded via the DSC website on FalconNet. The student is mailed notification if no credit is awarded and the denial of credit is recorded on the student's Educational Plan.

Transfer Students who have earned a prior Associate of Arts or Baccalaureate Degree

• Students who transfer to Daytona State College, 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 are not allowed enrollment in the AA program to rehabilitate their GPA or to meet university prerequisites. Students with a prior degree are encouraged to enroll as non-matriculated students and take courses that meet their personal and career goals.

• Students transferring to Daytona State College who have earned an associate of arts degree from a Florida public college or 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.

Auditing a Course

Students who do not want to earn college credit for a course or have taken a course before and received a grade of "C" or better may audit a course with approval of the instructor or Department Chair. College preparatory courses may not be audited. Students must meet all requisites and placement standings when auditing a course. The last day to audit a course is the last day of the schedule adjustment period or designated Add/Drop date. An audit status may not revert back to a grade status after the end of the schedule adjustment period. Credit courses and audited courses are assessed the same tuition and fees. Tuition and fees for audited courses are not covered by a third party such as Financial Aid, Scholarships, Veteran's Benefits, etc. and are the students' responsibility. Students who audit a course will receive a grade of "X" on their official student record and will not be given credit for the course. The grade will not be calculated into the grade point average. An audited course is not counted or used when calculating GPA, academic standing, graduation requirements, veteran's benefits or other financial aid eligibility or for certifying enrollment for outside agencies. Students may repeat an audited course for credit at a later date as long as it does not violate any other Daytona State College policies or regulations.

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 by 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 SCNS 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 SCNS. The listing of prefixes and associated courses 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, as listed below in Exception to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 84 different public and non-public 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 part of a course that has the same prefix and course number but 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 a Florida College System institution 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 the semester-term system. 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 subcategory 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 courses that must be evaluated individually or 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, Apprenticeships,   Practica, Study Abroad, Thesis, and Dissertations.
    D. Applied academic for adult education courses.
    E. Graduate courses.
    F. Internships, apprenticeships, 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 (academy certificate courses) are not guaranteed
      as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Non-Regionally Accredited Institutions

The SCNS makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Non-Regionally Accredited Institutions" that contains a comprehensive listing of all non-public 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 SCNS and appeals regarding course credit transfer decisions should be directed to Angela Kennerly in the Office of Academic Affairs at Daytona State College or to 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 SCNS office at (850) 245-0427 or at http://scns.fldoe.org.

Office of Articulation
Florida Department of Education

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 three-quarter-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

Daytona State College's Service Desk is the first point of contact for students, faculty and staff seeking DSC-related technical assistance, such as Falcon Mail and FalconNet issues, forgotten passwords, problems accessing Falcon Online and classes within, problems accessing departmental webpages, even some DSC-related technical assistance with mobile devices.

Students are able to seek technical help in person at the Falcon-Aid Student Kiosk in Bldg. 300, Rm. 109, between 8 a.m. and 8 p.m. Monday - Friday each semester. The "Student Kiosk" is manned by qualified student workers and service desk specialists. Currently, Service Desk assistance is available via phone or email from 8 a.m. to 8 p.m.

All students, staff and faculty can contact the IT Service Desk by phone at 386-506-3950 or email at servicedesk@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 were unsuccessful during their third attempt due to major extenuating circumstances. 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 highest earned grade 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. 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 developmental class to repeat that class under certain circumstances. The college has established a process that allows students to retake a developmental 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 highest 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 and 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.

Browse College Catalog

View and print the most current version of the Daytona State College catalog.

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.

College Communications

Daytona State will communicate using its college-sponsored email system and the FalconNet portal. Students must check FalconMail routinely and review the portal sites within FalconNet. Information regarding Registration & Records, including holds, transcript evaluation, appeals and graduation, are communicated through FalconMail. Financial Aid and Student Account information is communicated through FalconMail and the FalconNet student portal.

Course Availability

Search the class schedule to look 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.

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.

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.

Financial Aid Award Status

Access your award status by semester using this option.

FalconNet Username and FalconNet Password

Before you can access FalconNet you will need your FalconNet username and your FalconNet password. Your **user name and password** are the gateway to the FalconNet.

To access FalconNet:

Your username is: yourfirstname_yourlastname@falconmail.daytonastate.edu
Your password is: Dsc (Capital D, lowercase s, lowercase c) + Your birthdate in MMDDYY format + the last five digits of your social security number

Example: Birthdate of January 1, 1990 with a social of 123-45-6789 the password would be Dsc01019056789

We STRONGLY encourage you to change your password upon first successful login to the environment.

It is important to keep a record of your password to access FalconNet again in the future. You can save yourself the inconvenience of losing access by maintaining a record of your password. The security question will appear if you forget your password . Answering the security question will reset your password back to the Default Password: DscMMDDYY + the last five digits of your social security number. Any other password changes requires 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 password

Student privacy laws prevent us from changing passwords based on a telephone or email request.

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.

Personal Information

Allows you to update or change your address, phone number 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. NOTE: Live technical is support available during college work hours.

Transcript Requests

View and print your unofficial transcript via FalconNet. Official transcripts must be ordered online using your FalconNet account.

Transfer Evaluation

Allows students transferring to Daytona State College the ability 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.

View Student Schedule/Grades

Look up your schedule and/or your grades under this option. Grades are not mailed each semester.

Question and Answer Center

The **Question and Answer Center**, located in the Wetherell Center, room 119, on the Daytona Beach campus is where students can go to complete many student services in one place. Similar services are available at all regional campuses Enrollment/Falcon Center offices. Services include the following:

- Appeals Applications
- Enrollment Verification Requests
- Independent Study Requests
- Reinstatement Requests
- Late Registration Requests
- Registration Issues

The **Falcon Center** is located in the Wetherell Center, room 105m, on the Daytona Beach Campus. Similar services are available at all regional campus Enrollment/Falcon Center offices. The Falcon Center is a student service center where students can complete online registration and other college transactions. Students can receive help navigating online student services at the Falcon Center on any campus. Students also can complete the following transactions online or in the Falcon Center.

- Add/Drop
- Change of Address
- Orientation
- Pay Tuition Online
- 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 flvc.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

Transient Students to Other Institutions

Outgoing Transient Students

Definition: Daytona State College students currently enrolled in a degree or certificate program who want to take courses at another regionally accredited institution, to apply the credits at DSC to fulfill remaining program graduation requirements. DSC is the home institution, while the other institution is the host institution.

Outgoing transient students must:

1. Be currently enrolled in a degree or certificate program at DSC with graduation credit requirements remaining.
2. Be in good academic, financial and judicial standing, with no absolute holds.
3. Have a cumulative GPA of 2.0 or better. (First-semester DSC students also must be co-enrolled in Daytona State College courses.)
4. Be able to apply their transient course requests toward current degree or certificate requirements at DSC.
5. Already have met all placement requirements and pre-requisites for the requested courses. If applicable, test scores for placement must not be expired.

For assistance in determining these guidelines, students are strongly encouraged to visit with an Academic Advisor at any Daytona State campus.

General transient information:

Students must remember that the college residency requirement is 25 percent of the degree requirements.

When applying for transiency, students may need to provide the Records Office with a course description for each transient course requested. This must accompany the Transient Form.

All tuition and fees owed to the host institution are to be paid directly to that institution. If applicable, potential reimbursement via financial aid would follow.

Students who attempt transient courses at a host institution **must** provide an official transcript **with final grades** from the host institution upon completion of the transient courses. Note: As an exception to our general transfer grade amnesty policy, **all** transient course attempts, including those with grades of F or W, will be posted to a student's Daytona State transcript.

How to apply to be a transient student:

Online form

Students wishing to attend another Florida public college or university must complete the Transient Student Application available online at the FloridaShines statewide education consortium site (http://www.floridashines.org). Please go specifically to https://www.floridashines.org/succeed-in-college/take-a-course-at-another-school, and click on the link at the bottom of the page, titled "Start or check the status of your Transient Student Admission Application now."

Choose Daytona State College from the drop-down list. Type your Social Security Number – not your DSC College ID number – as your Student ID. Do not use any spaces or dashes between the numbers. Then type your MyDaytonaState PIN as your PIN.

Next, you will see the transient form itself. Complete and submit it. We will then receive it electronically. If you are academically authorized, we will apply Registrar signatures in two separate steps. If you answer Yes to wishing to have financial aid applied, you will have to await a DSC Financial Aid Officer signature after our Registrar signatures and before your host institution receives the form. If you answer No to financial aid, then the form will go directly to your host institution.

Paper form

Students wishing to attend a private or out-of-state institution must submit a paper Transient Form to the Records Office. The form is available at any Daytona State campus or online at http://www.daytonastate.edu/recreg/forms.html.

1. If applicable, the student must have the approval of the associate of science/certificate program chairperson before the form can be processed.
2. Students 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. Note: Effective in 2012-2013, Florida's public colleges and universities may have an overall consortium agreement administered by FLVC.org, so individual agreements may not be necessary.
3. Students receiving veteran's benefits must obtain approval from the Veteran's Affairs Office.

Transferring courses back to Daytona State:

Failure to provide DSC with an official transcript from the host institution may affect a student's financial aid status, if applicable.

It is the student's responsibility to provide the Office of Admissions with an official transcript upon completion of approved coursework. Daytona State is not responsible for the acceptance of any credit other than the credits approved by Daytona State. Transient credit hours will be recorded on the Daytona State transcript and will be computed into the cumulative GPA.

Daytona State One Card

Overview

The DSC 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 DSC 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 DSC 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.dsconecard.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:

1. Directly depositing your refund into a Higher One checking account (OneAccount). 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 DSC 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.

2. An ACH transfer (direct deposit) to another bank account of your choice. While the initial request for ACH transfer will be processed the same day funds are sent to Higher One, it may take your banking institution 2 – 3 days to make the funds available in your personal account.

3. For more information about the DSC OneCard or to check the status of your card if you have not received one yet, log on to www.dsconecard.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 and 6 p.m.

In order to receive a student refund, you must have activated your DSC OneCard and have chosen a refund preference. Your refund options include:

1. Directly depositing your refund into a Higher One checking account (OneAccount). 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 DSC 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.

2. An ACH transfer (direct deposit) to another bank account of your choice. While the initial request for ACH transfer will be processed the same day funds are sent to Higher One, it may take your banking institution 2 – 3 days to make the funds available in your personal account.

You may change your refund preference at any time by logging in to your account at www.dsconecard.com. From the menu select "Refund" then "Refund Preferences."

Your OneAccount

Your OneAccount is a fully functioning FDIC insured free checking account with no minimum balance and includes Internet banking features.

Your DSC 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 DSC 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 DSC OneCard to withdraw cash without a foreign ATM fee at any of the Higher One ATMs located on the Daytona, DeLand and Flagler campuses.

You can get more information by watching the Orientation Series on YouTube.

Daytona State OneAcount New User Information

Orientation Series on YouTube.

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.dsconecard.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 DSC OneCard immediately.

If you have never activated your DSC 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 DSC OneCard and the card is lost or misplaced, you should report it immediately by logging in to www.dsconecard.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 partner 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. Payments are processed automatically on the 5th of each month. There is no interest, but there is an enrollment fee that varies ($30, $35 or $40) 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 and Book Vouchers 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 your account to keep your courses from being dropped until the college receives payment from Nelnet. You will only be able to have one agreement per semester. 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.

Check the Student Accounts web page for Important Dates for the e-Cashier for each semester.

Click here for more information on the payment plan options.

If you have any questions regarding the e-Cashier payment plan, please contact the Office of Student Accounts by email at studentaccounts@DaytonaState.edu or by phone at 386-506-3024.

Falcon Loans, Book Deferments and Other Receivables

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 percent of the cost of tuition. The Falcon Loan will be awarded to cover the other 50%. A service charge of $45.00 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 percent 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 fees will be added to the original loan and the student must pay these fees and attorney's fees if applicable.

Falcon Loans are available in the Office of Student Accounts on the Daytona Campus or in 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 cannot 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 fees will be added to the deferment amount and the student must pay these fees 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 Veteran's Center in Building 130, Room 124, 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 fees will be added to the original deferment and the student must pay these fees 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 percent 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 fees will be added to the original loan and the student must pay these fees 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 and Direct Student 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 fees will be added to the original debt and the student must pay these fees 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 fees will be added to the original debt and the student must pay these fees 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 fees will be added to the original debt and the student must pay these fees 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 term plus 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. In order for financial aid to post, the student must have completed the Financial Aid 101 Seminar. 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 DSC OneCard between 3 and 6 p.m. on Friday.

All loan funds will be refunded through the DSC 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 DSC 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 DSC 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.

To receive a voucher, a student must go online to "Accept" their book voucher and certify that they agree to the terms and conditions of the book voucher. Once the book voucher agreement has been accepted, the information will automatically be transmitted to the bookstore and the student may go to the bookstore or go online to make their purchases.

The book voucher information will be transmitted to the bookstore at multiple times throughout the day (10 a.m., 12 p.m., 2 p.m., 4 p.m. and 4 a.m.). Please allow sufficient time from when the book voucher acceptance is completed for the bookstore to receive the file and upload it into their system. The last day to make purchases using a voucher is the next business day after the last day vouchers are issued.

The book voucher acceptance process will be open one week prior to the first date of book vouchers for the semester. However, students must wait until at least the first day of vouchers for the semester to go to the bookstore. If the amount of the voucher changes due to a change in the number of registered hours, etc. the new amount will NOT be reflected online but the revised amount will be sent to the bookstore. See the Important Dates section on the Student Accounts homepage for the dates vouchers are available each semester.

Here are the steps to get to the online book voucher acceptance:

- Go to www.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 and Book Vouchers on the left navigation menu
- Under Book Voucher Acceptance, click on View Book Voucher Information

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 DSC OneCard at www.dsconecard.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 DSC 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 DSC 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

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 2015-2016:

Regular Account	$92.66 per credit hour
Local Fees Account	$104.48 per credit hour
Vocational Courses	$80.42 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, lab fees, or online 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-percent 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 accept 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.

Dropped Class Refund Policy

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 DSC OneCard process. Each registered Daytona State student will automatically be mailed the DSC OneCard upon their first registration at the College.

To receive your refund, you must activate your Daytona State OneCard at dsconecard.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 Higher One checking account (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 dsconecard.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:

1. College Credit and Vocational Credit Courses
    1. 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.
2. Continuing Education and Lifelong Learning Courses
    1. Courses lasting one week or less - A 100-percent refund will be given if you drop a course before the first scheduled class meeting.

    2. 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.

3. Adult Education Courses
    1. A 100-percent 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.
4. Student Appeals
    1. 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. 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.
- Students who can prove that they do not use the Academic Support Center or the Writing Center may opt-out of the Access Fee by submitting an Access Fee Exemption Form to the Office of Student Accounts. (See the Office of Student Accounts for more details.)
- 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 in which they are enrolled. It is the student's responsibility to withdraw from a course if they withdraw from 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. 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 Building 130, Room 124, on the Daytona Beach Campus.
- 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 2015-2016

Tuition rates are subject to change based on legislative action and/or at the discretion of the District Board of Trustees.

Associate of Arts and Associate of Science Degree Programs

	In-State Per Credit Hour	Out-of-State Per Credit Hour
Tuition	$80.84	$317.53
Financial Aid Fee	$3.94	$15.78
Technology Fee	$3.94	$15.78
Student Activity Fee	$7.88	$7.88
Capital Improvement Fee	$7.88	$49.83
Total	**$104.48**	**$406.80**

Vocational Certificate Programs

	In-State Per Credit Hour	Out-of-State Per Credit Hour
Tuition	$69.93	$281.72
Financial Aid Fee	$6.99	$27.97
Technology Fee	$3.50	$13.99
Capital Improvement Fee	$3.50	$11.99
Total	**$83.92**	**$335.67**

Baccalaureate Degree Programs

	In-State Per Credit Hour	Out-of-State Per Credit Hour
Tuition	$91.79	$559.79
Financial Aid Fee	$4.59	$4.59
Technology Fee	$4.59	$4.59
Student Activity Fee	$9.18	$9.18
Capital Improvement Fee	$10.74	$55.98
Total	**$120.89**	**$634.13**

Continuing Workforce Education

Tuition Fees must cover Fees must cover full cost of instruction.

Adult Education and Applied Academics Programs

	In-State Per Semester	Out-of-State Per Semester
Tuition	$30.00	$30.00
Total	**$30.00**	**$30.00**

Other Fees

Application Fee: International Students Only $50 / first semester only
Assessment Fee: $35 / first semester only
Access Fee: $4.93 / credit hour
Late Registration Fee: $50 / semester
Late Registration / Payment Fee: $50 / semester
Laboratory Fees (Varies by course): $3 - $598
Distance Learning Course Fee: $15 / credit hour
Testing Fees: $10 - $70
Returned Check Fee Per F.S.: 832.08 - minimum $25
Transcript Fee: $5 / Transcript
Graduation Fee (non-refundable) – one charge per academic tier:

- High School $10
- Certificate $10
- Associates $20
- Baccalaureate $20

Collection Fees: 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 fees will be added to the original debt and the student must pay these fees as well as attorney's fees if applicable. Furthermore, all unpaid obligations will result is 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.

Counseling Services

Crisis Counseling Services

Brief crisis counseling services are available on each campus by making an appointment or on a walk-in basis. A College counselor serves as a student advocate and as a resource for students in crisis. Students who have on-going, long-term or therapeutic needs are referred to community agencies for assistance. The office staff maintains a list of available community providers for professional testing, counseling and alternative support services. Please see the most recent student handbook for more details.

The Counseling staff offers gatekeeper trainings and educational seminars at all instructional sites 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's 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 Vice President of 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 final 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 chairperson 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

1. The instructor conducting the course may notify the student verbally or in writing that the student is suspected of academic dishonesty and offer an appropriate resolution or academic consequence.

2. If the matter is not resolved with the instructor, the student has the option of scheduling a meeting with the appropriate school chairperson, who will review the matter and offer an appropriate resolution or academic consequence.
3. If the student is not satisfied with the decision made by the school chairperson, the student may request a meeting with 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 Executive Vice President and Chief Operating Officer. 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, in person or by telephone.

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 the course in question. Additional discipline sanctions may also be administered by the college's Judicial Affairs Office.

Judicial Affairs Office

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 be 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.

Daytona State 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 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, sexual assault, abuse reporting, student equity, religious observances, infectious diseases, drug testing procedures and the College computer acceptable use policies, please see the most recent student handbook.

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

Office of Student Appeals

Student Services Advocate (Ombudsman)

The Student Services Advocate is a central point of contact who can offer informal and neutral assistance to resolve student concerns. For more information, please contact studentadvocate@daytonastate.edu.

The advocate can:

- Help identify and evaluate your options, including appropriate appeal processes;
- Connect you to the appropriate person/campus resource;
- Clarify DSC policies and procedures;
- Listen to your concerns or suggestions;
- Provide feedback to administration and recommend changes when appropriate.

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:

1. Serious illness or personal injury
2. Unforeseen and unplanned medical emergency
3. Death of an immediate family member (parent or child)
4. Documented non-voluntary military activation.

To submit an appeal, students must:

1. Complete an appeal form in the Question & Answer Center, or obtain an online application;
2. Write a personal statement clearly explaining the circumstances surrounding the situation or incident that prevented you from completing the class or courses;
3. Attach relevant supporting letters from medical providers or other third parties;
4. 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;
5. For non-medical situations, you must attach letters (on official letterhead) from ordained clergy, attorneys or mental health professionals to document and explain how that circumstance prevented you from completing the course(s);
6. 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:

1. Financial Aid Suspension – GPA and/or completion rate
2. Financial Aid Suspension – Excessive Hours
3. Waiver of full cost of tuition for the third attempt of a course
4. Permission for a fourth attempt of a course
5. Withdrawal from a class after the posted deadline to receive a "W" grade
6. Request for grade change from "F" to "W"
7. Administrative Drop with a Refund
8. Academic Second Chance
9. Formal Grade Dispute Appeal
10. College Suspension Appeal
11. 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 Policies - 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;
- Written statements on official letterhead;
- Copy of an official death certificate that 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:

1. Child care issues;
2. Transportation issues;
3. Employment changes;
4. Normal pregnancy;
5. Incarceration;
6. Disagreement with the instructor teaching method;
7. Difficulty learning the course material;
8. 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 are 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:

1. The appeal form is signed by the student and is complete;
2. It is submitted by the established timeline;
3. 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 fully 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 Falcon Mail 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.

Student Disability Services

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) aAdvisor 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 aAdvisor in advance to scheduling the exam to arrange certain accommodations. Student Disability Services are available on all Daytona State College campuses. 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.

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
386-506-3988

Please visit our Student Disability Services website for more information and contact info.

Read our Equity Statement.

Office of College Equity

Daytona State's Office of College Equity & Inclusion works to ensure students are provided equal opportunity and equal access to the various services the college provides based on its mission, policies and procedures, as well as state and federal law. Student Equity information is available in the Student Handbook and on the college's website located at www.daytonastate.edu.

The office is located in the Wetherell Student Services/Administration (bldg. 100), Room 316. The staff welcomes all students who would like to learn more about services provided by the office. For more information please contact:

Lonnie Thompson
Director of Equity & Inclusion
Daytona State College
ThompsL@DaytonaState.edu

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 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 is available on all campuses and online. It is distributed by the Office of Co-Curricular Activities. For more information call (386) 506-3131.

Academic Support Centers

The Academic Support Center (ASC) provide a variety of instructional support programs and services to help you make satisfactory academic progress. The ASC, located on all campuses, combines personal attention with computer-assisted instruction in an environment where students, faculty and staff collaborate to ensure student success. ASC attendance may be 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 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 an ASC at our regional campuses:

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. 106
(386) 246-4814

New Smyrna Beach-Edgewater Campus – Academic Hall (Bldg. 2), Rm.104
(386) 423-6329

DeLand Campus – Bert Fish Hall (Bldg. 6B), Rm. 217, and Library (Bldg. 1), Room 115
(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 and baseball, and women's basketball, fast-pitch softball, volleyball and golf. Our teams consistently compete at top levels 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 at http://www.daytonastate.edu/athletics/.

Co-Curricular Activities

Expand and enrich your college experience by getting involved with your campus and your community. The Co-Curricular 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 Aeolus Literary Magazine. In Motion is an award-winning monthly newspaper that is produced entirely by students. Aeolus 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 Co-Curricular 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.

IT Computing Commons

Library Services Computing Commons are located on the Daytona Beach, DeLand and ATC campuses. The Computer Commons is a dedicated area meant to serve our diverse college student community by providing access to computer resources and technical support from our full-time staff and highly trained Student Support Technicians.

The Computing Commons supports the mission and goals of the college's Library and the Learning Commons, whose mission is "to create a cooperative environment offering direct referrals that will foster student success, enhance faculty support and provide the services and resources needed to promote college-wide teaching and learning" to the Daytona State College community.

The Computing Commons provides a wide range of Information Technology tools and resources, including computer labs, iPads and Netbooks for check out, course-specific software and study space with plenty of outlets for mobile devices.

Learn more by visiting http://www.daytonastate.edu/commons/.

Computing Commons Hours:

Daytona Beach Campus - Spring/Fall
Monday-Thursday 7:30 a.m. - 8 p.m.
Friday 7:30 a.m. – 5 p.m.
Saturday 8 a.m. – 4 p.m.
Sunday Closed

Phone:(386) 506-3928
Location: Building 210, Mezzanine 202
Supervisor: Cheryl Kohen, kohenc@daytonastate.edu, (386) 506-4305

Daytona Beach Campus - Summer A-B
Monday – Thursday 7:30 a.m. – 8 p.m.
Friday 7:30 a.m. – 12 p.m.
Saturday and Sunday Closed

DeLand Campus - Spring/Fall
Monday-Thursday 8 a.m. – 8 p.m.
Friday 8 a.m. – 5 p.m.
Saturday and Sunday Closed

Phone: (386) 785-2017
Location: Building One, DeLand Library
Supervisor: Christina Hastie, hastiec@daytonastate.edu, (386) 506-2018

DeLand Campus - Summer A-B
Monday – Thursday 8 a.m. – 6 p.m.
Friday 8 a.m. – 12 p.m.
Saturday and Sunday Closed

ATC – Spring/Fall
Monday –Thursday 7 a.m. – 9 p.m.
Friday   8 a.m. – 5 p.m.
Saturday and Sunday Closed

Phone: (386) 506-4101
Location: ATC Building 1, Atrium room 101
Supervisor: Gary Benefield, benefig@daytonastate.edu, (386) 506-4121

ATC – Summer
Monday –Thursday 7 a.m. – 9 p.m.
Friday   8 a.m. – 12 p.m.
Saturday and Sunday Closed

For more information visit our website at: www.daytonastate.edu/commons.

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
- Orientation
- Pay Tuition Online
- Print Schedule and Fee Statement
- Print Class Schedule
- Register
- Reset FalconNet Password
- Request a Degree Audit
- Request Official Transcripts
- Request Enrollment Verification
- Withdraw from Classes
- Request Transient Form at www.flvcacts.org
- View 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 the college in coordinating faculty-led study abroad programs.

The GEA office assists international students in locating housing, finding appropriate health insurance coverage, and assisting in other issues related to relocating to the United States such as opening bank accounts and utilizing public transportation. GEA also provides other community information, general advising from academic peer support to student activities, and on-campus student employment information.

The GEA office also 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.

The GEA is housed in the Wetherell Student Services Building (#100), suite 212, on the Daytona Beach Campus. The Department's staff can be reached at (386) 506-3141 and 506-3837.

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 citation styles
- Break through writer's block
- Write with confidence!

Writing Center services are available for free to DSC and UCF students, staff and faculty.

Services

Consultations for individuals or small groups start on the hour and half hour and 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.

You also are welcome to come to any Writing Center location to use our resources and space; we have cutting-edge technology and innovative resources to help you with all stages of your writing process and with all types of writing and communication. The Daytona Beach Campus also is home to The Cellar and The Attic. The Cellar is an open, reconfigurable space that is equipped with couches, work tables, bean bags, white boards, toys and technology. The Attic is upstairs in the library and has large collaboration tables, computers for multimodal composition, and lounge chairs for reading or relaxing. Both spaces are available to students whenever the Writing Center is open.

The Writing Center offers classroom visits or workshops on topics such as using MLA or APA, choosing a topic, or learning technology, such as Prezi or Microsoft Word. We're happy to work with faculty or groups to create custom writing workshops or to reserve the Cellar space.

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, http://www.daytonastate.edu/cwc, for information and online resources. You also can "like" the DSC–UCF Writing Center on Facebook or follow us on Twitter or Pinterest for updates on Writing Center and campus events, writing tips and tricks, and other interesting academic tidbits.

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 and volleyball 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 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 offers a wide variety of technological training in engineering, computer science, robotics and simulation, automotive, heating and air conditioning, emergency medical services, paramedic training and criminal justice programs. The state-of-the-art facility includes occupational classrooms and laboratory areas that feature industry-designed, program-specific equipment. It offers 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 numerous exhibits and events. The facility is located five miles from the Daytona Beach Campus, where students enrolled in courses at the ATC can access the full range of student enrollment and development services. On average, more than 2,200 students attend classes at the ATC each year.

Daytona Beach Campus
1200 West International Speedway Blvd. Daytona Beach (Locator Map)

The Daytona Beach Campus, Daytona State's largest campus, is located in a tourist city that attracts more than 10 million visitors each year, including snowbirds, students on spring break, families on vacation, NASCAR race fans and 500,000 bikers who come on motorcycles each spring and fall for Daytona's famous Bike Weeks.

The campus houses the college's primary administrative offices and instructional space. Special features include the Mori Hosseini College of Hospitality and Culinary Management, home to the student-run Cafe 101 and the Southeast Museum of Photography; a full-service Learning Resource Center that also houses the library and DSC-UCF Writing Center; two locations for the Academic Support Center; and a Performing Arts Center, which is home to some of the area's finest performing arts productions. Also located on this campus is the Lemerand Center, an outstanding athletic multiplex with a fitness center, pool, gymnasium, and classrooms; Daytona State's WDSC TV-15 broadcasting station; and a joint-use facility shared with the University of Central Florida.

Classroom and laboratory space serve a range of academic offerings – from baccalaureate programs to associate of arts, associate of science and certificate programs; adult high school, general education development and adult basic education; and customized training for business and industry. More than 24,000 students on average attend the Daytona Beach Campus each year.

DeLand Campus
1155 County Road 4139, DeLand (Locator Map)

The DeLand Campus offers a full-service library and Learning Resources Center, classroom space for college-credit courses that meet the general education requirements for the associate of arts degree, some associate of science degree programs, various certificate programs and adult high school classes. The Bert Fish Building houses up-to-date facilities for dental hygiene, nursing, science labs and a multimedia learning center. As on all the campuses, comprehensive student and academic support services include Student Disability Services, the Center for Women and Men, career advisement, individual tutoring and a computerized learning/tutoring center, as well as a foreign language lab. Approximately 5,200 students attend classes at the DeLand Campus each year.

Deltona Campus
2351 Providence Boulevard, Deltona (Locator Map)

The Deltona Campus offers access to quality postsecondary education and advanced training in a rapidly growing area of western Volusia County. The 100-acre site features a 42,000-square-foot facility that houses classrooms, computer labs and administrative offices. The regional campus helps meet the local demand for academic programs such as the associate of arts and nursing degrees, career certificates in cosmetology and barbering (barbering launches in fall 2013) and adult education classes. More than 3,000 students a year attend the Deltona Campus.

Flagler/Palm Coast Campus
3000 Palm Coast Parkway Southeast, Palm Coast (Locator Map)

The Flagler/Palm Coast Campus is Daytona State's fastest-growing regional campuses. The campus offers college credit, college preparatory and the first year of the two-year Associate Degree Nursing program. All general education requirements for the associate of arts degree may be completed here. Facilities include a nursing laboratory, two science laboratories, an Academic Support Center, two computer laboratories, an amphitheater and modern classrooms. Nearly 3,000 students attended this campus last year, and the numbers are projected to continue on the increase. To accommodate this growth, planning is under way to expand the campus with new facilities that will meet student needs through the next decade.

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.

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, including a new Barbering program. 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,registration and student accounts. Nearly 2,000 students a year choose to call the New Smyrna Beach-Edgewater Campus their home campus.

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.

Call a bookstore on a campus near you for more information. If you are calling from a Daytona State campus site, just dial the extension listed.

Shop your efollett Daytona State Bookstore online at http://www.DaytonaStateShop.com 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

Regular Bookstore Hours

Monday – Thursday, 7:45 a.m. -7 p.m.
Friday, 7:45 a.m. – 4 p.m.
Saturday, Closed
Sunday, Closed

Summer Bookstore Hours

Monday and Tuesday, 8 a.m. – 6 p.m.
Wednesday and Thursday, 8 a.m. – 4 p.m.
Friday,   8 a.m. – Noon
Saturday, Closed
Sunday, Closed

NOTE: Hours of operation are exclusive to Daytona Beach, Fla. campus.
Hours are subject to change to accommodate on-campus events and holidays.

DeLand Campus (386) 785-2020
1155 County Road 4139
DeLand, FL 32744
Bookstore Hours
Monday-Thursday, 8 a.m .- 1 p.m. & 5 - 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) 246-4851
3000 Palm Coast Parkway Southeast
Palm Coast, FL 32137
Bookstore Hours:
Monday-Thursday 8 a.m. - 5:30 p.m.

Friday 8 a.m. - 2:30 p.m.
Saturday, Closed
Sunday, Closed
Summer Bookstore Hours
Monday-Thursday 8 a.m. - 3 p.m.
Friday 8 a.m. - Noon
Saturday, Closed
Sunday, Closed

New Smyrna Beach-Edgewater Campus (386) 423-6314
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 request feature of the online catalog. These items may be delivered to the campus of your choice. Virtual Reference Service is available to all by phone and by email through the Ask-a-Librarian Service.

The Daytona Campus Library supports Daytona State's upper-level programs, including the baccalaureate programs, 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), 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 (for academic use).

Library Hours (unless otherwise posted for holidays, summer, etc.):

Daytona Beach Campus Library
Monday - Thursday: 7:30 a.m. - 8 p.m.
Friday: 7:30 a.m. - 5 p.m.
Saturday: 8 a.m. - 4 p.m.
Sunday: Closed

DeLand Campus Library
Monday - Thursday: 8 a.m. - 8 p.m.
Friday: 8 a.m.-5 p.m.
Closed Weekends

For more information please visit our website or contact the Research Assistance Desk at (386) 506-3518.

Parking Regulations

Parking decals are available at the Campus Safety Office on the Daytona Beach Campus (bldg. 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 website **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 a.m. - 5 p.m.; Wednesday, 11 a.m. - 7 p.m.; and weekends from 1 - 5 p.m.

June, July and December hours are Tues. - Sunday, 12 - 4 p.m.
Closed: Mondays, July 4, July 31-August 17, December 17-January 11, Daytona 500 weekend, Thanksgiving weekend, Daytona State College Spring Break.

Accounting Technology

Program Information

A.S. Degree - Code 2084 - Catalog 2015/2016
Meghan Griffin, Assistant Chair, 386-506-3085, meghan.griffin@daytonastate.edu
School of Business Admin., 386-506-4227

08/26/2015 M - 2145

Program Mission, Description, and Outcomes

Mission:
In support of the College mission, the Associate of Science Degree - Accounting Technology program mission is to provide theories, principles, and practices necessary for a successful career in the accounting profession or for transfer into a Bachelor's degree program.

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.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: Accounting Technology Operations - Tax Preparation - 0935 ; Accounting Technology Management - 0943. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate clear and effective communication.
2. Solve business problems using critical thinking.
3. Identify and discuss legal and ethical issues in tax preparation, financial planning, and the business environment.
4. Use appropriate software and hardware to produce tax returns, financial plans, and financial reports.
5. Demonstrate a basic working knowledge of estate planning, investment planning and cash management.
6. Apply Generally Accepted Accounting Principles to record, summarize, and report business transactions.
7. Demonstrate an understanding of corporate finance in the field of business.
8. Identify sound measures of internal control and protection of business assets.
9. Demonstrate an understanding of the global business environment.

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. Upon completion of this degree program, students are eligible to apply for the 0935 and 0943 certificates.

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 Technology Management 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		
... ...	Communication (9 credits)		
ENC1101	Introduction to Composition	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

		Mathematics (3 credits)		

Course	Title	SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MGF2107	Mathematics for Liberal Arts OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033

		Social Sciences (3 credits)		

Course	Title	SEM HRS	
ECO2013	Principles of Macro Economics OR		Co-Reqs: ENC1101

		Humanities (3 credits)		

Course	Title	SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

		Cultural/Global Focus (3 credits)		

Course	Title	SEM HRS	
GEB2351	International Business	3.00	

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
ACG2021	Principles of Financial Accounting	3.00	
ACG2071	Principles of Managerial Accounting	3.00	Pre-Reqs: ACG2022 OR ACG2021
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
APA1121	Computerized Accounting/Bookkeeping II	3.00	Pre-Reqs: APA1111
APA1711	Computer Spreadsheet	3.00	
BUL2241	Business Law I	3.00	
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	
GEB1011	Introduction to Business	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
ISM2000	Business Information Processing	3.00	
QMB1001	Business Math	3.00	
TAX2000	Personal Income Tax	3.00	

Sample Program of Study

Course	Title
... ...	FIRST YEAR

... ...   1st Semester

		SEM HRS	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
QMB1001	Business Math	3.00	
ENC1101	Introduction to Composition	3.00	
GEB1011	Introduction to Business	3.00	
ISM2000	Business Information Processing	3.00	

... ...   2nd Semester

		SEM HRS	
ACG2021	Principles of Financial Accounting	3.00	
APA1121	Computerized Accounting/Bookkeeping II	3.00	Pre-Reqs: APA1111
APA1711	Computer Spreadsheet	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MGF2107	Mathematics for Liberal Arts OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033

... ...   Summer Semester

		SEM HRS	
... ...	Cultural/Global Focus	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

... ...   SECOND YEAR
... ...   1st Semester

		SEM HRS	
ACG2071	Principles of Managerial Accounting	3.00	Pre-Reqs: ACG2022 OR ACG2021
FIN2000	Principles of Finance	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101

... ...   2nd Semester

		SEM HRS	
... ...	Humanities Core	3.00	
TAX2000	Personal Income Tax	3.00	
FIN1100	Personal Financial Planning	3.00	
BUL2241	Business Law I	3.00	

| TOTAL | ... | 60.00 | |

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 Technology Management (Code: 0943)
Upon completion of this degree program, students are eligible to apply for both certificates 0935 and 0943.

Accounting Technology Management

Program Information

A.S. Certificate - Code 0943 - Catalog 2015/2016
Meghan Griffin, Assistant Chair, 386-506-3085, meghan.griffin@daytonastate.edu
School of Business Admin., 386-506-4227

08/20/2015 M - 2112

Program Mission, Description, and Outcomes

Mission:
In support of the College mission, the Accounting Technology Management program mission is to provide students with a working knowledge of principles, practices, and tools necessary for 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. Demonstrate clear and effective communication.
2. Solve business problems using critical thinking.
3. Identify and discuss legal and ethical issues in tax preparation, financial planning, and the business environment.
4. Use appropriate software and hardware to produce tax returns, financial plans, and financial reports.
5. Demonstrate a basic working knowledge of estate planning, investment planning and cash management.
6. Apply Generally Accepted Accounting Principles to record, summarize, and report business transactions.
7. Demonstrate an understanding of corporate finance in the field of business.

Credits earned in this certificate may be applied toward the 2084 AS degree in Accounting Technology and 0935 Accounting Technology Operations - Tax Preparation certificate.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $2,821*
Access Fee: $133 ($4.93 per credit)
Assessment Fee: $35
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

- Program Specific Courses require a "C" or better.

Careers

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student, with 15% graduating within 2 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 54%.

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	
ACG2021	Principles of Financial Accounting	3.00	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
APA1121	Computerized Accounting/Bookkeeping II	3.00	Pre-Reqs: APA1111
APA1711	Computer Spreadsheet	3.00	
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	
ISM2000	Business Information Processing	3.00	
QMB1001	Business Math	3.00	
TAX2000	Personal Income Tax	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
ISM2000	Business Information Processing	3.00	
QMB1001	Business Math	3.00	
TAX2000	Personal Income Tax	3.00	
... ...	2nd Semester		
ACG2021	Principles of Financial Accounting	3.00	
APA1121	Computerized Accounting/Bookkeeping II	3.00	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.

Notes

Upon completion of this certificate 0943, students are eligible to also apply for certificate 0935.

2015-2016 College Catalog. To view previous catalogs, please click here.

Accounting Technology Operations - Tax Preparation

Program Mission, Description, and Outcomes

Mission:
In support of the College mission, the Accounting Technology Operations - Tax Preparation program mission 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. Demonstrate clear and effective communication.
2. Solve business problems using critical thinking.
3. Identify and discuss legal and ethical issues in tax preparation, financial planning, and the business environment.
4. Use appropriate software and hardware to produce tax returns, financial plans, and financial reports.
5. Demonstrate a basic working knowledge of estate planning, investment planning and cash management.
6. Apply Generally Accepted Accounting Principles to record, summarize, and report business transactions.

Credits earned in this certificate may be applied toward the 2084 AS degree in Accounting Technology and 0943 Accounting Technology Management certificate.

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: $89 ($4.93 per credit)
Assessment Fee: $35
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

- Program Specific Courses require a "C" or better.

Careers

Program Length: The typical length of this program is two (2) semesters for a full-time student, with 32% graduating within 2 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 65%.

Some credits earned in this program may be applied toward the Accounting Technology Management 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	3.00	Co-Reqs: QMB1001
APA1121	Computerized Accounting/Bookkeeping II	3.00	Pre-Reqs: APA1111
APA1711	Computer Spreadsheet	3.00	
FIN1100	Personal Financial Planning	3.00	
QMB1001	Business Math	3.00	
TAX2000	Personal Income Tax	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
APA1711	Computer Spreadsheet	3.00	
FIN1100	Personal Financial Planning	3.00	
QMB1001	Business Math	3.00	
... ...	2nd Semester		
APA1121	Computerized Accounting/Bookkeeping II	3.00	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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Addictions Studies Specialization

Program Information

A.S. Certificate - Code 0813 - Catalog 2015/2016
Ronald Morrison, Department Chair, 386-506-3918, morrisr@daytonastate.edu
Nicholas Petropouleas, Assistant Chair, 386-506-3409, petropn@DaytonaState.edu
Julie Rocco, 386-506-3499, roccoj@daytonastate.edu

08/13/2015 M - 2089

Program Mission, Description, and Outcomes

Mission:
To provide entry level skills for Human Services Practitioners in addictions studies.

Description:
The purpose of this program is to prepare students with the knowledge and skills needed for employment 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) - 2007.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate an understanding of the Human Services profession.
2. Discuss the role(s) of the Human Services worker in evaluating clients with substance abuse issues.
3. Describe the goals and tasks of the Human Services worker.
4. Exhibit the skills necessary for effective professional work in the Human Services profession.
5. Understand the established ethics along with the legal issues associated with the Human Services profession.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $4,075*
Access Fee: $192 ($4.93 per credit)
Assessment Fee: $35
Lab Fees (including liability insurance): $18
Drug Screen - 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

-Program specific and general education courses must be completed with a grade of "C" or better.

-Attend mandatory program orientation.

-This program requires successful completion of externship hours at a Daytona State College approved agency. Participation in externships will be contingent on the satisfactory completion of a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information. The exact background check will be determined by the specific sponsoring externship agency.

-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 (45 weeks) for a full-time student, with no data at this time on the students graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 85%.

For additional career information, please see:

http://www.onetonline.org/link/summary/21-1011.00

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	
ENC1101	Introduction to Composition	3.00
PSY1012	General Psychology	3.00

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
HSC1000	Introduction to Health Care	3.00	
HUS1001	Introduction to Human Services	3.00	
HUS1332	Advanced Counseling/Interview Skills	3.00	Co-Reqs: HUS1850 AND PSY1012 Pre-Reqs: HUS1001 AND HUS1424
HUS1400	Introduction to Chemical Dependency/Addiction	3.00	Co-Reqs: PSY1012
HUS1424	Counseling for the Chemically Dependent	3.00	Co-Reqs: PSY1012
HUS1850	Human Services Externship I	4.00	Co-Reqs: HSC1000 AND HUS1001 AND HUS2520 AND HUS2500
HUS2425	Addictions and Treatment	3.00	Co-Reqs: ENC1101
HUS2500	Issues and Ethics in Human Services	3.00	
HUS2933	Human Services Seminar	1.00	
HUS2851	Human Services Externship II	4.00	Co-Reqs: HUS1423 Pre-Reqs: HUS1850
PSB2442	Addictions I - Psychology of Addictions	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester - Fall		
ENC1101	Introduction to Composition	3.00	
HSC1000	Introduction to Health Care	3.00	
HUS1001	Introduction to Human Services	3.00	
HUS2933	Human Services Seminar	1.00	
PSY1012	General Psychology	3.00	
... ...	2nd Semester - Spring		
HUS1400	Introduction to Chemical Dependency/Addiction	3.00	Co-Reqs: PSY1012
HUS1424	Counseling for the Chemically Dependent	3.00	Co-Reqs: PSY1012
HUS1332	Advanced Counseling/Interview Skills	3.00	Co-Reqs: HUS1850 AND PSY1012 Pre-Reqs: HUS1001 AND HUS1424
PSB2442	Addictions I - Psychology of Addictions	3.00	

		SEM HRS	
... ...	3rd Semester - Summer		
HUS1850	Human Services Externship I	4.00	Co-Reqs: HSC1000 AND HUS1001 AND HUS2520 AND HUS2500
HUS2500	Issues and Ethics in Human Services	3.00	

		SEM HRS	
... ...	4th Semester - Fall		
HUS2425	Addictions and Treatment	3.00	Co-Reqs: ENC1101
HUS2851	Human Services Externship II	4.00	Co-Reqs: HUS1423 Pre-Reqs: HUS1850
TOTAL	...	39.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Advanced Network Infrastructure

Program Information

A.S. Certificate - Code 0908 - Catalog 2015/2016
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/26/2015 M - 2168

Program Mission, Description, and Outcomes

Mission:
The certificate program is designed to provide the students with a solid background of computer networking and communications. Students plan, install, configure, and monitor computer networks in a LAN/WAN environment. The program incorporates innovative teaching methods, uses latest technology, thus encouraging student success.

Description:
The certificate program in Advanced Network Infrastructure is designed to provide a strong background of computer networking, network communications, network security and wireless technology . 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. Program courses transfer directly into Associate of Science Network Systems Technology and other Associate degree programs.

Outcomes:
Graduates of the program will be able to:

1. Configure a wireless network according to client requirment.
2. Measure and evaluate network security, associated technologies and their application.
3. Evaluate how data communications protocols and devices interact with each other.
4. Plan and perform troubleshooting and maintenance on network hardware and software.
5. 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: $177 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $15
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is four (4) semesters (36 weeks) for a full-time student, with 67% graduating within 4 semesters for 2013-14. The Florida Education and Training Information Program (FETPIP) lists the placement rate (2012-13) for this field at 50%.

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	
CET2850	Wireless and Mobile Security	3.00	Pre-Reqs: CET1600
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
CTS2302	Microsoft Windows Active Directory Services	3.00	Pre-Reqs: CTS2328
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3.00	
CET1600	Network Plus	3.00	
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
CTS2306	Microsoft Windows Professional	3.00	
CTS2328	Managing and Maintaining a Windows Network Environment	3.00	
CTS2321	Linux Fundamentals	3.00	
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615
CTS2310	Designing Windows Network Security	3.00	Pre-Reqs: CET1600

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
CET1600	Network Plus	3.00	
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
CTS2306	Microsoft Windows Professional	3.00	
CTS2321	Linux Fundamentals	3.00	
... ...	**2nd Semester**		
CTS2310	Designing Windows Network Security	3.00	Pre-Reqs: CET1600
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
CET2850	Wireless and Mobile Security	3.00	Pre-Reqs: CET1600
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
... ...	**3rd Semester**		
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615
CTS2302	Microsoft Windows Active Directory Services	3.00	Pre-Reqs: CTS2328
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3.00	
CTS2328	Managing and Maintaining a Windows Network Environment	3.00	
TOTAL	...	36.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Air Conditioning, Refrigeration and Heating Mechanic

Air Conditioning, Refrigeration and Heating Mechanic

── Program Mission, Description, and Outcomes ──

Mission:
The mission of the Air Conditioning, Refrigeration and Heating Technician program is to provide the knowledge, practice and skill development necessary for a successful career in the air conditioning, refrigeration and heating industry. The program provides access to the vocational student with the latest technological equipment and methods. The program embraces diversity, equal access, and equal opportunity for training in the local, state HVAC market.

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: $2,873* (Book costs are not included)
Access Fee: $164 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $308
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
*Note: Some employers may require: Criminal Background Checks - Clean Driving Record - Compliance with Drug Free Work Place Testing

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 (45 weeks) for a full-time student, with 91% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 33%.

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: ACR0002 AND ACR0102
ACR0506L	Residential Air Conditioning and Refrigeration Lab	2.00	
ACR0741	Commercial Refrigeration I	1.00	Pre-Reqs: ACR0002 AND ACR0102 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	VOC HRS	
... ...	1st Semester		
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 Refrigeration	1.00	Pre-Reqs: ACR0002 AND ACR0102
ACR0506L	Residential Air Conditioning and Refrigeration Lab	2.00	
ACR0741	Commercial Refrigeration I	1.00	Pre-Reqs: ACR0002 AND ACR0102 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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Air Conditioning, Refrigeration, and Heating Technology

┌─ Program Information ───
Vocational Certificate - Code 1011 - Catalog 2015/2016
Roger Raffaelo, Assistant Chair, 386-506-4174, raffaer@daytonastate.edu
Timothy Anderson, Faculty, 386-506-4175, andersti@daytonastate.edu
Roger Rowan, 386-506-4171, rowanr@DaytonaState.edu

08/20/2015 M - 2095
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┌─ Program Mission, Description, and Outcomes ──────────────────────
Mission:
The mission of the Air Conditioning, Refrigeration and Heating Technician program is to provide the knowledge, practice and skill development necessary for a successful career in the air conditioning, refrigeration and heating industry. The program provides access to the vocational student with the latest technological equipment and methods. The program embraces diversity, equal access, and equal opportunity for training in the local, state HVAC market.

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.
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┌─ Approximate Additional Costs ────────────────────────────────────
Program Tuition and Fees: $3,992* (Book costs are not included)
Access Fee: $222 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $540
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.
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┌─ Additional Admission Requirements ───────────────────────────────
- This is the advanced Air Conditioning, Refrigeration and Heating program. Students should complete the Air Conditioning, Refrigeration and Heating Mechanic - Code 1054 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.
└──

CIP Code (6 digit): 47.0201
Heating, A/C and Refrigeration Technician
*Note: Some employers may require:
Criminal Background Checks - Clean Driving Record - Compliance with Drug Free Work Place Testing

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 (51 weeks) for a full-time student, with 100% graduating within 4 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 33%.

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: ACR0002 AND ACR0102
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	1.67	Conc-Reqs: ACR0600
ACR0601	Heat Pumps	1.00	Pre-Reqs: ACR0150 AND ACR0506 Conc-Reqs: ACR0601L
ACR0601L	Heat Pumps Lab	2.00	Pre-Reqs: ACR0150L AND ACR0506L Conc-Reqs: ACR0601
ACR0741	Commercial Refrigeration I	1.00	Pre-Reqs: ACR0002 AND ACR0102 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: ACR0150 AND ACR0850 AND ACR0741 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: ACR0002 AND ACR0102
ACR0506L	Residential Air Conditioning and Refrigeration Lab	2.00	
ACR0741	Commercial Refrigeration I	1.00	Pre-Reqs: ACR0002 AND ACR0102 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

... ...   4th Semester

		VOC HRS	
ACR0600	Fossil Fuel Heating	1.00	Pre-Reqs: ACR0150 AND ACR0850 Conc-Reqs: ACR0600L
ACR0600L	Fossil Fuel Heating Lab	1.67	Conc-Reqs: ACR0600
ACR0601	Heat Pumps	1.00	Pre-Reqs: ACR0150 AND ACR0506 Conc-Reqs: ACR0601L
ACR0601L	Heat Pumps Lab	2.00	Pre-Reqs: ACR0150L AND ACR0506L 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: ACR0150 AND ACR0850 AND ACR0741 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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Architectural and Building Technology

─ 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 the diverse career options in the building, construction, and architecture industries. This program incorporates innovative teaching methods using the latest technology, thus improving student knowledge and encouraging their success. After completion, students may seek career jobs or transition into baccalaureate programs.

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, sustainable design, barrier free design, 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 inititate 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		
... ...	Communication Core (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		
... ...	Choose One Course		
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
STA2023	Elementary Statistics	3.00	Pre-Reqs: MAC1105 OR MGF2106

		Social Sciences Core (3 credits)		
... ...		Choose One Course		
			SEM HRS	
DEP2004	Developmental Psychology		3.00	
PSY1012	General Psychology		3.00	
SYG2000	Introduction to Sociology		3.00	Co-Reqs: ENC1101

		Humanities Core (3 credits)		
... ...		Choose One Course		
			SEM HRS	
AML2050	Modern American Literature		3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature		3.00	Pre-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
HUM2210	Prehistory to Medieval Humanities		3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities		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
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	Theatre Appreciation		3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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
ETG2520	Statics and Strength of Materials	3.00	Pre-Reqs: MTB1348 OR MAC1105
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
IND1211	History of Architecture and Interiors I	3.00	
IND1935	Building and Barrier Free Codes	3.00	
IND2608	Sustainable Design	3.00	
IND2501	Professional Practices	3.00	Pre-Reqs: IND1021

| ETD2390 | Introduction to Revit Architecture | 2.00 | Conc-Reqs: ETD2390L |
| ETD2390L | Introduction to Revit Architecture and Lab | 1.00 | Conc-Reqs: ETD2390 |

Sample Program of Study

Course	Title		

... ...	First Year		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
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	

... ...	2nd Semester		
		SEM HRS	
BCT1040	Blueprint Reading	3.00	
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	3.00	
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	
... ...	Social Sciences Core	3.00	
... ...	Humanities Core	3.00	
... ...	Mathematics Core	3.00	

... ...	Second Year		
... ...	1st Semester		
		SEM HRS	
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
... ...	Elective	3.00	

... ...	2nd Semester		
		SEM HRS	
IND2501	Professional Practices	3.00	Pre-Reqs: IND1021
ETG2520	Statics and Strength of Materials	3.00	Pre-Reqs: MTB1348 OR MAC1105
ETC2245	Construction Methods	3.00	
ETD2390	Introduction to Revit Architecture	2.00	Conc-Reqs: ETD2390L
ETD2390L	Introduction to Revit Architecture and Lab	1.00	Conc-Reqs: ETD2390
TOTAL	...	60.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Associate of Arts Degree

Program Information

A.A. Degree - Code 7000 - Catalog 2015/2016
Alan McCoy, Administrative Assistant, 386-506-3009, mccoya@daytonastate.edu

08/26/2015 M - 2176

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 associate of arts (AA) degree. Florida State Board of Education Administrative Rule 6A-14.0303 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.)

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 completion of or demonstration of proficiency in a foreign language or American Sign Language at the elementary 2 level or above (e.g. French, German, Italian, Spanish 1121 or higher or ASL2150 or higher.) Foreign and sign language courses satisfy elective credits toward the AA degree.

Gordon Rule:
In accordance with Florida Department of Education, 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.

The AA program is designed to ensure that students meet the Gordon Rule requirements.

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 advised to complete college preparatory course work. See an Academic Advisor to determine developmental course requirements.

General Education Courses

Course	Title	
... ...*1*	GENERAL EDUCATION CORE	
		SEM HRS
... ...	Communication	9.00
... ...	Mathematics	6.00

... ...	Natural Sciences	6.00	
... ...	Humanities	6.00	
... ...	Social Sciences	6.00	
... ...	Cultural/Global Focus	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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Sample Program of Study

Course	Title		

... ... FIRST YEAR

... ... SEMESTER I

Course	Title	SEM HRS	
ENC1101	Introduction to Composition	3.00	
MAC1105*3*	College Algebra OR		Pre-Reqs: MAT1033
MGF2106*3*	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MGF2107*3*	Mathematics for Liberal Arts	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L
SLS1122*4*	Managing Your Success	3.00	
SLS2281*5*	Diversity, Culture and Communication	3.00	Co-Reqs: ENC1101
... ...	College Transfer Elective	3.00	

... ... SEMESTER II

Course	Title	SEM HRS	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
STA2023*3*	Elementary Statistics	3.00	Pre-Reqs: MAC1105 OR MGF2106

... ...6 Humanities Core - Choose One (3)

... ... COLUMN I

Course	Title	SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101
... ...	College Transfer Elective	3.00	

... ... SECOND YEAR

... ... SEMESTER I

... ...7 Natural Sciences Core - Choose One (3)

	COLUMN I		
		SEM HRS	
AST1002	Astronomy	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	
BSC1010	General Biology I (For Science Majors)	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR STA2023 Conc-Reqs: BSC1010L
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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
CHM1020	Chemistry in Society	3.00	
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
EVR2001	Introduction to Environmental Science	3.00	Co-Reqs: ENC1101 Pre-Reqs: BSC1010 AND CHM1025 AND BSC1010L AND CHM1025L AND MAC1105
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
PHY2048	Physics with Calculus I	4.00	Co-Reqs: MAC2311 AND MAC2311L Conc-Reqs: PHY2048L
... ...	Social Sciences Core (3)		
... ...	Choose One from Column I or II		
... ...	COLUMN I		
		SEM HRS	
AMH2020	United States History 1865 to Present	3.00	Co-Reqs: ENC1101
ANT2000	Introduction to Anthropology	3.00	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
POS2041	American Federal Government	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101
PSY1012	General Psychology	3.00	
... ...	COLUMN II		
		SEM HRS	
AMH2010	United States History to 1877	3.00	Co-Reqs: ENC1101
DEP2004	Developmental Psychology	3.00	
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
GEO2000	World Geography	3.00	
INR2002	International Relations	3.00	
... ...	College Transfer Elective	3.00	
... ...	College Transfer Elective	3.00	
... ...	SEMESTER II		
... ...7	Natural Sciences Core (3)		
... ...	Choose One from Column I or II		
... ...	COLUMN I		
		SEM HRS	
AST1002	Astronomy	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR MGF2106 OR MGF2107 OR STA2023
BSC1005		3.00	

	Survey of Biological Sciences (For Non-Science Majors)		
BSC1010	General Biology I (For Science Majors)	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR STA2023 Conc-Reqs: BSC1010L
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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
CHM1020	Chemistry in Society	3.00	
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
EVR2001	Introduction to Environmental Science	3.00	Co-Reqs: ENC1101 Pre-Reqs: BSC1010 AND CHM1025 AND BSC1010L AND CHM1025L AND MAC1105
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
PHY2048	Physics with Calculus I	4.00	Co-Reqs: MAC2311 AND MAC2311L Conc-Reqs: PHY2048L

		SEM HRS	
... ...	COLUMN II		
BOT1010	General Botany	3.00	Co-Reqs: ENC1101 Conc-Reqs: BOT1010L
BSC1020	Human Biology	3.00	
CHM1025	Introduction to Chemistry	3.00	Co-Reqs: 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
GLY2010	Physical Geology	3.00	Co-Reqs: ENC1101 AND MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 OR MAT1033 Conc-Reqs: GLY2010L
HUN1201	Human Nutrition	3.00	
MET2010	Meteorology	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 MAC2311 OR MGF2106
OCB2000	Introduction to Marine Biology	3.00	Co-Reqs: 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
OCE1001	Introduction to Oceanography	3.00	Co-Reqs: ENC1101
PSC1121	Physical Science	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106

... ...6	Humanities Core (3)		
... ...	Choose One from Column I or II		
... ...	COLUMN I		

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

		SEM HRS	
... ...	COLUMN II		
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-Reqs: ENC1101

AML2600	Introduction to African American Literature	3.00	Pre-Reqs: ENC1101
ARH2050	Survey of Art History I	3.00	Co-Reqs: ENC1101
ARH2051	Survey of Art History II	3.00	Co-Reqs: ENC1101
DAN1100	Dance Appreciation	3.00	Co-Reqs: ENC1101
HUM2210*8*	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230*8*	Renaissance to Postmodern Humanities	3.00	Pre-Reqs: ENC1101
LIT2030	Understanding Poetry	3.00	Pre-Reqs: ENC1101
LIT2040	Dramatic Literature	3.00	Pre-Reqs: ENC1101
LIT2110*8*	Masterpieces of World Literature I	3.00	Pre-Reqs: ENC1101
LIT2120*8*	Masterpieces of World Literature II	3.00	Pre-Reqs: ENC1101
LIT2380	Literature By Women	3.00	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
REL2300*8*	World Religion	3.00	Pre-Reqs: ENC1101

... ...	Social Sciences Core (3)		
... ...	Choose One from Column I or II		
... ...	COLUMN I		

		SEM HRS	
AMH2020	United States History 1865 to Present	3.00	Co-Reqs: ENC1101
ANT2000	Introduction to Anthropology	3.00	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
POS2041	American Federal Government	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ...	COLUMN II		

		SEM HRS	
AMH2010	United States History to 1877	3.00	Co-Reqs: ENC1101
DEP2004	Developmental Psychology	3.00	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
GEO2000*8*	World Geography	3.00	
INR2002*8*	International Relations	3.00	
... ...	College Transfer Elective	3.00	
... ...	College Transfer Elective	3.00	
... ...	College Transfer Elective	3.00	

... ...*2*	COLLEGE TRANSFER ELECTIVES (24)		

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 - COLLEGE TRANSFER ELECTIVE COURSE OPTIONS: Students are required to have 24 credit hours of elective credits to complete the Associate of Arts (AA) degree. ***Three (3) of the credits must be SLS 1122 (Managing Your Success). This course is a graduation requirement for students in the Associate of Arts (A.A.) degree.*** Any college credit course that is not already counting toward a General Education requirement may be used to meet this requirement, except courses that have a course number that begins with a 0, for example MAT 0018, ARR 0121, CJK 0011, etc. Courses in limited access programs are available only for students admitted to that program. Link to Catalog Course Descriptions for college transfer elective options.

Florida regulations require you to take any prerequisites needed for your intended transfer school/major as part of your AA degree. Students are required to meet with an academic advisor to discuss their intended their intended transfer school and major and be informed of the prerequisites for their intended program before they have earned 30 credits. 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. - *Mathematics Core* - Higher level mathematics courses will also satisfy this core requirement.

4. - *SLS 1122 (Managing Your Success) is a graduation requirement for students in the Associate of Arts (A.A.) degree.*

5 - *Cultural/Global Focus* - This course can be substituted for any of the following Cultural/Global Focus courses: CPO 2001; EDF 2085; EUH 2000, GEB 2351; GEO 2420; SYG 2010.

6. - *Humanities Core* - Students MUST choose 6 credits to meet this requirement and ONE MUST be a Literature course (AML, LIT); ONE MUST be a Humanities or Art course (ARH, DAN, HUM, MUH, MUL, PHI, REL, THE).

7 - *Natural Sciences Core* - Higher level natural science courses will also satisfy this core requirement.

8. - *Cultural/Global Focus* - This course also satisfies the Cultural/Global Focus area.

Note: 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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Audio/Recording Technology

Program Information

A.S. Certificate - Code 0818 - Catalog 2015/2016
Douglas Peterson, Chairperson, SMEA, 386-506-3276, petersd@DaytonaState.edu
Susan Pate, Associate Vice President, pates@daytonastate.edu
Jake Niceley, 386-226-1914, nicelej@daytonastate.edu

03/30/2015 M - 1918

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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		
MUM1610	Survey of Recording Technology	3.00	
MVK1111	Applied Music-Group (Piano) I-II	1.00	
... ...	2nd Semester		
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		
		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

| TOTAL | ... | 15.00 | |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

AutoCAD Foundations (Architectural)

AutoCAD Foundations (Architectural)

Program Information

A.S. Certificate - Code 0927 - Catalog 2015/2016
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

03/27/2015 M - 1940

Program Mission, Description, and Outcomes

Mission:
The mission of the AutoCAD Foundations (Architectural) program is to provide the knowledge and skills necessary for entry-level employment as a drafter in architecture, building construction, land development or related fields. The program, which uses the latest technology and innovative teaching methods, also transitions into 2-yr or 4-yr degree opportunities.

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, 3D modeling, and Architectural CAD. Students will earn AutoCAD User Certification. Program courses apply toward the Associate of Science degree in Drafting and Design.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and skills to generate architectural drawings which comply with American Institute of Architects (AIA) standards.
2. Identify and use both drawing board tools and computer software procedures to produce drawings.
3. Design virtual 2-D and 3-D models to solve problems associated with the use of interior and exterior space.
4. Create presentations for communicating designs using appropriate digital rendering techniques.
5. Demonstrate proficiency in industry-related computer applications by earning software certification.
6. Evaluate digital sources using the Internet to find and compare existing conditions, designs, and solutions.

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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
BCN1253	Architectural Drawing II	2.00	Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L
BCN1253L	Architectural Drawing II Lab	1.00	Conc-Reqs: BCN1253
... ...	Construction Elective	3.00	

	Construction Elective (3 Hrs) Choose One from List	SEM HRS	
IND1211	History of Architecture and Interiors I	3.00	
ETC2245	Construction Methods	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
BCN2257L	Architectural Detailing Lab	1.00	Conc-Reqs: BCN2257
BCN2257	Architectural Detailing	2.00	Conc-Reqs: BCN2257L

Course	Title	SEM HRS	
	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
BCN1253	Architectural Drawing II	2.00	Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L
BCN1253L	Architectural Drawing II Lab	1.00	Conc-Reqs: BCN1253
TOTAL	...	15.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

AutoCAD Foundations (Engineering)

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 for entry-level employment as a drafter in manufacturing, simulation, aerospace, or related fields. The program, which uses the latest technology and innovative teaching methods, also transitions into Associate of Science and baccalaureate programs.

Description:
The program provides a foundation in the use of 2d drawings and 3d modeling for 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 using INVENTOR and SOLIDWORKS software. Industry-certifications are included to validate acquired software skills. Program courses apply toward the Associate of Science degree in Drafting and Design.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and skills to produce engineering drawings which comply with American National Standards Institute (ANSI) regulations.
2. Identify and use different tools, equipment, materials and products used in the industry.
3. Use design software to structure solutions to respond to needs and solve characteristic, industry-related problems.
4. Take an active role in a community context by earning AutoCAD User Certification and/or designation as a Certified SOLIDWORKS Associate.
5. Develop search algorithms to find existing virtual models to incorporate as components of final designs.
6. Create visual presentations with images, animations, and/or stereo lithography to effectively communicate design solutions.

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

┌─ Program Specific Courses ──────────────────────────────────────

Course	Title	SEM HRS	
EGN1111	Engineering Drawing	2.00	Conc-Reqs: EGN1111L
EGN1111L	Engineering Drawing Lab	1.00	Conc-Reqs: EGN1111
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	SEM HRS	
... ...	1st Semester		
EGN1111	Engineering Drawing	2.00	Conc-Reqs: EGN1111L

EGN1111L	Engineering Drawing Lab	1.00	Conc-Reqs: EGN1111
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Automotive Collision Repair and Refinishing

Automotive Collision Repair and Refinishing

Program Information

Vocational Certificate - Code 1097 - Catalog 2015/2016
Eugene Deyo, Assistant Chair, 386-506-4169, deyoe@daytonastate.edu
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Bridgette Cherry, 386-506-4165, cherryb@DaytonaState.edu

08/20/2015 M - 2105

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. The program provides access to the vocational student with the latest technological equipment and methods. The program embraces diversity, equal access, and equal opportunity for training in the local, state manufacturing market.

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.

Program Accreditation: The Automotive Collision Repair and Refinishing Program is accredited by the National Automotive Technicians Education Foundation (NATEF).

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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 automotive repair field of work.

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: $177 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $1,158

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 1 year; three (3) semesters (40 weeks). New students entering this program can only begin in the fall semester. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 75%.

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	1.00	Conc-Reqs: ARR0121L
ARR0121L	Introduction to Refinishing Lab	3.00	Conc-Reqs: ARR0121
ARR0241	Introduction to Collision Repair	1.00	Conc-Reqs: ARR0241L
ARR0241L	Introduction to Collision Repair Lab	3.00	Conc-Reqs: ARR0241
ARR0381	Introduction to Unibody and Frame	1.00	Conc-Reqs: ARR0381L
ARR0381L	Introduction to Unibody and Frame Lab	3.00	Conc-Reqs: ARR0381
ARR0122	Refinishing	1.00	Co-Reqs: ARR0121 Conc-Reqs: ARR0122L
ARR0122L	Refinishing Lab	3.00	Co-Reqs: ARR0121L Conc-Reqs: ARR0122
ARR0242	Collision Repair	1.00	Pre-Reqs: ARR0241 Conc-Reqs: ARR0242L
ARR0242L	Collision Repair Lab	3.00	Pre-Reqs: ARR0241L Conc-Reqs: ARR0242
ARR0382	Unibody and Frame II	1.00	Pre-Reqs: ARR0381 Conc-Reqs: ARR0382L
ARR0382L	Unibody and Frame II Lab	3.00	Pre-Reqs: ARR0381L Conc-Reqs: ARR0382
ARR0123	Advanced Refinishing	1.00	Co-Reqs: ARR0122 Conc-Reqs: ARR0123L
ARR0123L	Advanced Refinishing Lab	3.00	Co-Reqs: ARR0122L Conc-Reqs: ARR0123
ARR0243	Advanced Collision Repair	1.00	Pre-Reqs: ARR0242 Conc-Reqs: ARR0243L
ARR0243L	Advanced Collision Repair Lab	3.00	Pre-Reqs: ARR0242L Conc-Reqs: ARR0243
ARR0244	Basic Collision and Refinishing Overview (Work On Your Own Car)	2.00	Conc-Reqs: ARR0244L
ARR0244L	Basic Collision and Refinishing Overview (Work On Your Own Car) Lab OR	2.00	Conc-Reqs: ARR0244
ARR0949	Cooperative Education Experience in Automotive Body Repair and Refinishing	4.00	

Sample Program of Study

Course	Title
... ...	Fall

		VOC HRS	
ARR0121	Introduction to Refinishing	1.00	Conc-Reqs: ARR0121L
ARR0121L	Introduction to Refinishing Lab	3.00	Conc-Reqs: ARR0121
ARR0241	Introduction to Collision Repair	1.00	Conc-Reqs: ARR0241L
ARR0241L	Introduction to Collision Repair Lab	3.00	Conc-Reqs: ARR0241
ARR0381	Introduction to Unibody and Frame	1.00	Conc-Reqs: ARR0381L
ARR0381L	Introduction to Unibody and Frame Lab	3.00	Conc-Reqs: ARR0381

... ...	Spring	VOC HRS	
ARR0122	Refinishing	1.00	Co-Reqs: ARR0121 Conc-Reqs: ARR0122L
ARR0122L	Refinishing Lab	3.00	Co-Reqs: ARR0121L Conc-Reqs: ARR0122
ARR0242	Collision Repair	1.00	Pre-Reqs: ARR0241 Conc-Reqs: ARR0242L
ARR0242L	Collision Repair Lab	3.00	Pre-Reqs: ARR0241L Conc-Reqs: ARR0242
ARR0382	Unibody and Frame II	1.00	Pre-Reqs: ARR0381 Conc-Reqs: ARR0382L
ARR0382L	Unibody and Frame II Lab	3.00	Pre-Reqs: ARR0381L Conc-Reqs: ARR0382

... ...	Summer	VOC HRS	
ARR0123	Advanced Refinishing	1.00	Co-Reqs: ARR0122 Conc-Reqs: ARR0123L
ARR0123L	Advanced Refinishing Lab	3.00	Co-Reqs: ARR0122L Conc-Reqs: ARR0123
ARR0243	Advanced Collision Repair	1.00	Pre-Reqs: ARR0242 Conc-Reqs: ARR0243L
ARR0243L	Advanced Collision Repair Lab	3.00	Pre-Reqs: ARR0242L Conc-Reqs: ARR0243
ARR0244	Basic Collision and Refinishing Overview (Work On Your Own Car)	2.00	Conc-Reqs: ARR0244L
ARR0244L	Basic Collision and Refinishing Overview (Work On Your Own Car) Lab OR	2.00	Conc-Reqs: ARR0244
ARR0949	Cooperative Education Experience in Automotive Body Repair and Refinishing	4.00	
TOTAL	Vocational Hours	36.00	
TOTAL	Contact Hours	1080.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

This program only accepts new students in the fall. For course access and information go to daytonastate.edu/falcononline Access to a computer with high-speed internet connection is needed.

2015-2016 College Catalog. To view previous catalogs, please click here.

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 (60 weeks) (summer session doesn't often make) for a full-time student, with 38% graduating within 4 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 67%.

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
AER0418	Automotive Brake Systems	1.65	Conc-Reqs: AER0418L
AER0418L	Automotive Brake Systems Lab	3.35	Conc-Reqs: AER0418
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
AER0110	Engine Mechanical Service and Repair	1.65	Conc-Reqs: AER0110L
AER0110L	Engine Mechanical Service and Repair Lab	3.35	Conc-Reqs: AER0110
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
AER0274	Manual Drivetrain and Axle	1.65	Conc-Reqs: AER0274L
AER0274L	Manual Drivetrain and Axle Lab	3.35	Conc-Reqs: AER0274
AER0360	Electricity/Electronics Fundamentals	3.35	Conc-Reqs: AER0360L
AER0360L	Electricity/Electronics Fundamentals Lab	6.65	Conc-Reqs: AER0360
AER0257	Automotive Transmission and Transaxles	1.65	Conc-Reqs: AER0257L
AER0257L	Automotive Transmission and Transaxles Lab	3.35	Conc-Reqs: AER0257

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
AER0418	Automotive Brake Systems	1.65	Conc-Reqs: AER0418L
AER0418L	Automotive Brake Systems Lab	3.35	Conc-Reqs: AER0418
... ...	2nd Semester		
		VOC HRS	
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
AER0110	Engine Mechanical Service and Repair	1.65	Conc-Reqs: AER0110L

AER0110L	Engine Mechanical Service and Repair Lab	3.35	Conc-Reqs: AER0110
AER0453	Automotive Steering and Suspension	1.65	Conc-Reqs: AER0453L
AER0453L	Automotive Steering and Suspension Lab	3.35	Conc-Reqs: AER0453

... ...   3rd Semester

VOC HRS

AER0503	Automotive Engine Performance	3.35	Conc-Reqs: AER0503L
AER0503L	Automotive Engine Performance Lab	6.65	Conc-Reqs: AER0503
AER0274	Manual Drivetrain and Axle	1.65	Conc-Reqs: AER0274L
AER0274L	Manual Drivetrain and Axle Lab	3.35	Conc-Reqs: AER0274

... ...   4th Semester

VOC HRS

AER0360	Electricity/Electronics Fundamentals	3.35	Conc-Reqs: AER0360L
AER0360L	Electricity/Electronics Fundamentals Lab	6.65	Conc-Reqs: AER0360
AER0257	Automotive Transmission and Transaxles	1.65	Conc-Reqs: AER0257L
AER0257L	Automotive Transmission and Transaxles Lab	3.35	Conc-Reqs: AER0257

| TOTAL | VOC. HRS. | 60.00 |
| TOTAL | CONTACT HOURS | 1800.00 |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

---Notes---

For course access and information go to daytonastate.edu/falcononline. Access to a computer with highspeed internet connect icon is needed.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Applied Science in Supervision and Management

<table>
<tr><td colspan="2">Bachelor of Applied Science in Supervision and Management</td></tr>
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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. 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. Demonstrate effective communications that integrate decision-making and analytical thinking skills.
2. Identify and apply management decision-making to include an appreciation for diversity, cultural awareness, and organizational behavior.
3. Apply human resource methods and concepts that are consistent with community, industry, and organizational standards, policies, and procedures.
4. Integrate effective and efficient management and behavioral principles for leading and managing resources.
5. Demonstrate the ability to apply legal and ethical decision-making in management situations.
6. Formulate and apply effective customer relations techniques and applications.
7. Demonstrate skill in managerial accounting concepts, analysis, and applications.
8. Integrate operational processes and information systems into a managerial-specific context.
9. Identify the strategic planning process to include development of an organizational mission statement with measurable goals, objectives, and activities.
10. Apply team processes, practices, and collaboration in a management-related context.
11. Manage a project from inception to successful conclusion using critical thinking, communication, problem solving, and decision-making.

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

- General Education Core - The state-mandated 36 hours of general education.

- 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

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	
... ...	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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
GEB3213*3*	Business Writing	3.00	Co-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 OR CGS2100
MAN4120*2*	Leadership Challenges and Supervision	3.00	Co-Reqs: GEB3213
GEB4891*2*	Strategic Management and Decision Making	4.00	Co-Reqs: GEB3213
MAN4504*2*	Operational Decision Making	3.00	Co-Reqs: GEB3213
GEB4930*1*	Selected Topics in Management	3.00	Co-Reqs: GEB3213
MAN4900*5*	Capstone Project in Supervision and Management	4.00	Co-Reqs: GEB3213

Sample Program of Study

Course	Title	SEM HRS	
... ...	FIRST SEMESTER		
GEB3213*3*	Business Writing	3.00	Co-Reqs: ENC1101
MAN3353	Management Theory and Practices	3.00	Co-Reqs: GEB3213
MAN3240	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		
BUL3130	Legal, Ethical, and Social Aspects of Business	3.00	Co-Reqs: GEB3213
ACG3024	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		
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 OR CGS2100
... ...	General Education Core	3.00	
TOTAL	Semester Credit Hours	13.00	
... ...	FOURTH SEMESTER		
MAN4120*2*	Leadership Challenges and Supervision	3.00	Co-Reqs: GEB3213
GEB4891*2*	Strategic Management and Decision Making	4.00	Co-Reqs: GEB3213
MAN4504*2*	Operational Decision Making	3.00	Co-Reqs: GEB3213

... ...	General Education Core	3.00	
TOTAL	Semester Credit Hours	13.00	
... ...	FIFTH SEMESTER		

		SEM HRS	
GEB4930*1*	Selected Topics in Management	3.00	Co-Reqs: GEB3213
MAN4900*5*	Capstone Project in Supervision and Management	4.00	Co-Reqs: GEB3213
TOTAL	Semester Credit Hours	7.00	
... ...	TOTAL CREDIT HOURS	60.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1 Topics rotate each term; check section notes for course topic information.

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. Students wanting to pursue a master's degree should check with the college/university they plan to attend to determine which course(s) will transfer to that institution.

5 MAN4900, the Capstone course, is the final course in the program. Permission of the chair is required.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Education - Elementary Education

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 1-5.
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/admissions/bsededucation.html 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. Please note, the offenses may prevent program completion and future employment in the field of education.

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 (SLS3355L) 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; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Science - 6 hrs and an additional three (3) hours from any of the five categories.

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
TSL3080	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*I*	Teaching Science in the Elementary School	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
RED4519*I*	Diagnosis, Intervention in Reading	3.00	Pre-Reqs: RED3309
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
EDE4223	Integrated Art, Music and Movement	3.00	
TSL4081	ESOL Issues and Strategies II	3.00	Pre-Reqs: TSL3080
LAE4314	Teaching Language Arts	3.00	Pre-Reqs: RED3309
SSE3312*I*	Teaching Social Studies	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
RED4511*I*	Intermediate Literacy, Reading and Thinking	3.00	Pre-Reqs: RED3309
EEX4070	Teaching Exceptional Students	3.00	Pre-Reqs: EDF4430 AND TSL3080
MAE4326*I*	How Children Learn Mathematics	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080 AND MAE2801
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		
SLS1122	Managing Your Success	3.00	
ENC1101	Introduction to Composition	3.00	
PSC1121	Physical Science	3.00	Co-Reqs: 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
... ...	Year I		
... ...	Semester II		
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
LIT2110	Masterpieces of World Literature I	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		

		SEM HRS	
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: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR STA2023 Conc-Reqs: BSC1010L
BSC1010L	General Biology I (For Science Majors) Lab	1.00	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	
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	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: EDF4430 AND EDG4323 AND TSL3080
RED4519*1*	Diagnosis, Intervention in Reading	3.00	Pre-Reqs: RED3309
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
EDE4223	Integrated Art, Music and Movement	3.00	
TSL4081	ESOL Issues and Strategies II	3.00	Pre-Reqs: TSL3080
LAE4314	Teaching Language Arts	3.00	Pre-Reqs: RED3309

... ...	Year IV		
... ...	Semester I		

		SEM HRS	
SSE3312*1*	Teaching Social Studies	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080

RED4511*1*	Intermediate Literacy, Reading and Thinking	3.00	Pre-Reqs: RED3309
EEX4070	Teaching Exceptional Students	3.00	Pre-Reqs: EDF4430 AND TSL3080
MAE4326*1*	How Children Learn Mathematics	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080 AND MAE2801
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.

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2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Education - Exceptional Education

Program Information

BS Degree - Code 6222 - Catalog 2015/2016
Amy Ringue, Chair, Education, 386-506-3186, ringuea@daytonastate.edu
Kristy Presswood, AVP, Education, 386-506-3822, presswk@daytonastate.edu

06/22/2015 M - 2035

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 1-5.
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
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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 http://www.daytonastate.edu/admissions/bseducation.html 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. Please note, the offenses may prevent program completion and future employment in the field of education.

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 (SLS3355L) 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; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs; and an additional three (3) hours from any of the five categories.

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	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	
SCE3310*1*	Teaching Science in the Elementary School	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
RED4519*1*	Diagnosis, Intervention in Reading	3.00	Pre-Reqs: RED3309
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
EEX3240	Organization, Curriculum Theory and Instructional Strategies	2.00	
LAE4314	Teaching Language Arts	3.00	Pre-Reqs: RED3309
TSL4081	ESOL Issues and Strategies II	3.00	Pre-Reqs: TSL3080
SSE3312*1*	Teaching Social Studies	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
RED4511*1*	Intermediate Literacy, Reading and Thinking	3.00	Pre-Reqs: RED3309
EEX4601	Behavior Management	3.00	Pre-Reqs: TSL3080
MAE4326*1*	How Children Learn Mathematics	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080 AND MAE2801
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		
SLS1122	Managing Your Success	3.00	
ENC1101	Introduction to Composition	3.00	
PSC1121	Physical Science	3.00	Co-Reqs: 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
... ...	Year I		
... ...	Semester II		
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
LIT2110	Masterpieces of World Literature I	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		
		SEM HRS	
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: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 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	
MUL1010	Music Appreciation OR	3.00	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		
... ...*8*	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*1*	Teaching Science in the Elementary School	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
RED4519*1*	Diagnosis, Intervention in Reading	3.00	Pre-Reqs: RED3309
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
EEX3240	Organization, Curriculum Theory and Instructional Strategies	2.00	
LAE4314	Teaching Language Arts	3.00	Pre-Reqs: RED3309
TSL4081	ESOL Issues and Strategies II	3.00	Pre-Reqs: TSL3080

... ...	Year IV		

		SEM HRS	
SSE3312*1*	Teaching Social Studies	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
RED4511*1*	Intermediate Literacy, Reading and Thinking	3.00	Pre-Reqs: RED3309
EEX4601	Behavior Management	3.00	Pre-Reqs: TSL3080
MAE4326*1*	How Children Learn Mathematics	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080 AND MAE2801
EEX4221	Assessment of Exceptional Education Students	3.00	Pre-Reqs: EDF4430
RED4844*6*	Reading Practicum	2.00	Pre-Reqs: RED4519 AND TSL3080

... ...   Year IV

... ...   Semester II

		SEM HRS
EEX4943*7*	Student Externship	9.00
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 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.

8. All EEX classes may not be offered in every semester. It is strongly recommended that the students work with an advisor within the College of Education to ensure appropriate scheduling of classes to stay on track toward graduation.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Education - Secondary Biology Education

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Program Information

BS Degree - Code 6224 - Catalog 2015/2016
Amy Ringue, Chair, Education, 386-506-3186, ringuea@daytonastate.edu
Kristy Presswood, AVP, Education, 386-506-3822, presswk@daytonastate.edu

06/22/2015 M - 2037

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 http://www.daytonastate.edu/admissions/bseducation.html 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. Please note, the offenses may prevent program completion and future employment within the field of education.

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 (SLS3355L) 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; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs; and an additional three (3) hours from any of the five categories.

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
TSL3080	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: BSC1010 AND CHM1025 OR CHM1045
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: 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
BOT1010	General Botany	3.00	Co-Reqs: ENC1101 Conc-Reqs: BOT1010L
BOT1010L	General Botany Lab	1.00	Co-Reqs: ENC1101 Conc-Reqs: BOT1010
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080
EME3434	Integrating Technology into Math and Science	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND EME2040
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
PCB3203	Cell Physiology	3.00	Pre-Reqs: BSC1085
SCE4360	Science Instructional Analysis	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
BOT3151	Flora of Central Florida	3.00	Pre-Reqs: BOT1010 AND BSC1010
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	Pre-Reqs: EDF4430 AND TSL3080
ESE4943	Student Internship	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	Introduction to Composition	3.00	
BSC1010*3*	General Biology I (For Science Majors)	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR STA2023 Conc-Reqs: BSC1010L
BSC1010L*3*	General Biology I (For Science Majors) Lab	1.00	Conc-Reqs: BSC1010
SLS1122	Managing Your Success	3.00	
PSY1012	General Psychology	3.00	
EDF1005*3*	Introduction to the Teaching Profession	3.00	
... ...	Year I		

		SEM HRS	
ENC1102	Writing with Research	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
MAC1114	College Trigonometry	3.00	Pre-Reqs: MAC1105 OR MAC1104
LIT2110	Masterpieces of World Literature I	3.00	Pre-Reqs: ENC1101
ARH1000	Art Appreciation OR	3.00	Co-Reqs: ENC1101
MUL1010	Music Appreciation		Co-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: MAC1114 AND MAC1140 Conc-Reqs: MAC2311L
MAC2311L*3*	Calculus I Lab	1.00	Conc-Reqs: MAC2311

... ...*5*   Apply for Admission to BS Program

		SEM HRS	
EDF2085*3*	Introduction to Diversity for Educators	3.00	

... ...*7*   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	
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		

			SEM HRS	
PCB3060	Introduction to Genetics		3.00	Pre-Reqs: BSC1010 AND CHM1025 OR CHM1045
... ...		Semester II		
			SEM HRS	
OCB2000	Introduction to Marine Biology		3.00	Co-Reqs: 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	
BOT1010L	General Botany Lab		1.00	Co-Reqs: ENC1101 Conc-Reqs: BOT1010
BOT1010	General Botany		3.00	Co-Reqs: ENC1101 Conc-Reqs: BOT1010L
LAE4361	Strategies for Literacy for Middle/High Schools		3.00	Pre-Reqs: EDG4323 AND TSL3080
EME3434	Integrating Technology into Math and Science		3.00	Pre-Reqs: EDF4430 AND EDG4323 AND EME2040
... ...		Year IV		
... ...		Semester I		
			SEM HRS	
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety		3.00	Pre-Reqs: EDG4323
PCB3203	Cell Physiology		3.00	Pre-Reqs: BSC1085
SCE4360	Science Instructional Analysis		3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
BOT3151	Flora of Central Florida		3.00	Pre-Reqs: BOT1010 AND BSC1010
EEX4242	Teaching Exceptional Students in Secondary Schools		3.00	Pre-Reqs: EDF4430 AND TSL3080
... ...		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. 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 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 recommended as a part of the AA degree to enhance the overall science background of the secondary teacher.

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.

7. Select courses may not be offered in every semester. It is strongly recommended that students meet with an advisor within the College of Education to ensure appropriate scheduling of classes to stay on track toward graduation.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Education - Secondary Chemistry Education

Bachelor of Science in Education - Secondary Chemistry Education

- Program Mission, Description, and Outcomes -

Mission:
The Bachelor of Science in Secondary Chemistry Education will provide the 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:
The 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 Secondary Chemistry 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 Chemistry 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/admissions/bseducation.html 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. Please note, the offenses may prevent program completion and future employment in the field of education.

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), CHM1045/L (4 credits), CHM1046/L (4 credits) and one of the following combinations: PHY2048/L & PHY2049/L OR PHY1053/L & PHY1054/L.

NOTES:

1. Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355L) 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 of 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; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs; and an additional three (3) hours from any of the five categories.

- General Education Courses -

Course	Title	
... ...	AA Degree Program of Study	60.00
... ...	BSED Program Core Credits	60.00
TOTAL ...		120.00

Program Specific Courses

Course	Title	SEM HRS	
TSL3080	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	
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
EME3434	Integrating Technology into Math and Science	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND EME2040
CHM3085	Environmental Chemistry	3.00	Pre-Reqs: CHM2211 AND CHM2211L
BCH3023	Biochemistry I	3.00	Co-Reqs: CHM2210 AND CHM2210L Pre-Reqs: CHM1046 AND CHM1046L Conc-Reqs: BCH3023L
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	Pre-Reqs: EDF4430 AND TSL3080
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
CHM3120	Quantitative Analysis	3.00	Pre-Reqs: CHM1046 OR CHM1046C Conc-Reqs: CHM3120L
CHM3120L	Quantitative Analysis Lab	1.00	Pre-Reqs: CHM1046C OR CHM1046 Conc-Reqs: CHM3120
SCE4360	Science Instructional Analysis	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080
TSL4081	ESOL Issues and Strategies II	3.00	Pre-Reqs: TSL3080
ESE4943	Student Internship	9.00	
ESE4945	Internship Seminar	3.00	
TOTAL	Total Program 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	Introduction to Composition	3.00	
CHM10453	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
CHM1045L3	General College Chemistry I Lab	1.00	Conc-Reqs: CHM1045
MAC2311L3	Calculus I Lab	1.00	Conc-Reqs: MAC2311
MAC23113	Calculus I	3.00	Pre-Reqs: MAC1114 AND MAC1140 Conc-Reqs: MAC2311L
SLS1122	Managing Your Success	3.00	
LIT2110	Masterpieces of World Literature I	3.00	Pre-Reqs: ENC1101
... ...	Year I		

		SEM HRS	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
CHM1046*3*	General College Chemistry II	3.00	Pre-Reqs: CHM1045 OR CHM1045C Conc-Reqs: CHM1046L
CHM1046L*3*	General College Chemistry II Lab	1.00	Pre-Reqs: CHM1045C OR CHM1045 Conc-Reqs: CHM1046
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	
EDF1005*3*	Introduction to the Teaching Profession	3.00	
EDF2085*3*	Introduction to Diversity for Educators	3.00	

... ...   Year II
... ...   Semester I

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
PHY2048*3*	Physics with Calculus I	4.00	Co-Reqs: MAC2311 AND MAC2311L Conc-Reqs: PHY2048L
EME2040*3*	Introduction to Education Technology	3.00	
... ...	Choose one of the following		
ARH1000	Art Appreciation OR	3.00	Co-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101

... ...   Year II
... ...   Semester II

		SEM HRS	
MAC2312	Calculus II	3.00	Pre-Reqs: MAC2311 Conc-Reqs: MAC2312L
MAC2312L	Calculus II Lab	1.00	Pre-Reqs: MAC2311 Conc-Reqs: MAC2312
PHY2049*3*	Physics with Calculus II	4.00	Co-Reqs: MAC2312 AND MAC2312L Pre-Reqs: PHY2048 OR PHY2048C Conc-Reqs: PHY2049L
GEO2000	World Geography	3.00	
ECO2013	Principles of Macro Economics OR	3.00	Co-Reqs: ENC1101
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101

... ...*4*   Apply for Admission to the BS Program
... ...*6*   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	
BCH3023	Biochemistry I	3.00	Co-Reqs: CHM2210 AND CHM2210L Pre-Reqs: CHM1046 AND CHM1046L Conc-Reqs: BCH3023L
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

... ...   Year III
... ...   Semester II

		SEM HRS	
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
EME3434	Integrating Technology into Math and Science	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND EME2040
CHM3085	Environmental Chemistry	3.00	Pre-Reqs: CHM2211 AND CHM2211L

EDF3214	Child/Adolescent Development and Learning	3.00	
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	Pre-Reqs: EDF4430 AND TSL3080
... ...	Year IV		
... ...	Semester I		
		SEM HRS	
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
CHM3120	Quantitative Analysis	3.00	Pre-Reqs: CHM1046 OR CHM1046C Conc-Reqs: CHM3120L
CHM3120L	Quantitative Analysis Lab	1.00	Pre-Reqs: CHM1046C OR CHM1046 Conc-Reqs: CHM3120
SCE4360	Science Instructional Analysis	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080
TSL4081	ESOL Issues and Strategies II	3.00	Pre-Reqs: TSL3080
... ...	Year IV		
... ...	Semester II		
		SEM HRS	
ESE4945	Internship Seminar	3.00	
ESE4943	Student Internship	9.00	

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 Secondary Chemistry 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 Secondary Chemistry 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 Chemistry Education 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.

6. Select courses may not be offered in every semester. It is strongly recommended that students meet with an advisor within the College of Education to ensure appropriate scheduling of classes to stay on track towards graduation.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Education - Secondary Earth/Space Science Education

Bachelor of Science in Education - Secondary Earth/Space Science Education

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 http://www.daytonastate.edu/admissions/bseducation.html 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. The offenses may prevent program completion and future employment in the field of education.l

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 (SLS3355L) 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; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs; and an additional three (3) hours from any of the five categories.

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
TSL3080	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: ENC1101 AND MAT1033 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: CHM1045 AND CHM1045L AND OCE1001 AND MAT1033 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: EDF4430 AND EDG4323 AND EME2040
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
GLY2100	Historical Geology	3.00	Pre-Reqs: GLY2010 AND GLY2010L
SCE4360	Science Instructional Analysis	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
BOT3151	Flora of Central Florida	3.00	Pre-Reqs: BOT1010 AND BSC1010
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	Pre-Reqs: EDF4430 AND TSL3080
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	Introduction to Composition	3.00	
BSC1010*3*	General Biology I (For Science Majors)	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 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
LIT2110	Masterpieces of World Literature I	3.00	Pre-Reqs: ENC1101
SLS1122	Managing Your Success	3.00	

		SEM HRS	
	Year I		
	Semester II		

		SEM HRS	
ENC1102	Writing with Research	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
EDF1005*3*	Introduction to the Teaching Profession	3.00	
EDF2085*3*	Introduction to Diversity for Educators	3.00	
OCE1001*3*	Introduction to Oceanography	3.00	Co-Reqs: ENC1101

	Year II		
	Semester I		

		SEM HRS	
MAC2311*3*	Calculus I	3.00	Pre-Reqs: MAC1114 AND MAC1140 Conc-Reqs: MAC2311L
MAC2311L*3*	Calculus I Lab	1.00	Conc-Reqs: MAC2311
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
GLY2010*3*	Physical Geology	3.00	Co-Reqs: ENC1101 AND MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 OR MAT1033 Conc-Reqs: GLY2010L
GLY2010L*3*	Physical Geology Lab	1.00	Conc-Reqs: GLY2010
GEO2000	World Geography	3.00	
	Choose One of the Following:		
ARH1000	Art Appreciation OR	3.00	Co-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101

	Year II		
	Semester II		

		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 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		
... ...*7*	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	
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: ENC1101 AND MAT1033 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: EDF4430 AND EDG4323 AND EME2040
OCE3014	Oceanography: Coastal Ocean Studies in Biogeochemistry	3.00	Pre-Reqs: CHM1045 AND CHM1045L AND OCE1001 AND MAT1033 Conc-Reqs: OCE3014L
OCE3014L	Oceanography: Coastal Ocean Studies in Biogeochemistry Lab		Conc-Reqs: OCE3014
... ...	Year IV		
... ...	Semester I		

		SEM HRS	
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080
GLY2100	Historical Geology	3.00	Pre-Reqs: GLY2010 AND GLY2010L
SCE4360	Science Instructional Analysis	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
BOT3151	Flora of Central Florida	3.00	Pre-Reqs: BOT1010 AND BSC1010
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	Pre-Reqs: EDF4430 AND TSL3080
... ...	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. 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 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 OCE3014. 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 Internship/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.

7. Select courses may not be offered in every semester. It is strongly recommended that students meet with an advisor within the College of Education to ensure appropriate scheduling of classes to stay on track toward graduation.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Education - Secondary Mathematics Education

Program Information

BS Degree - Code 6223 - Catalog 2015/2016
Amy Ringue, Chair, Education, 386-506-3186, ringuea@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 http://www.daytonastate.edu/admissions/bseducation.html 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. Please note, the offenses may prevent program completion and future employment in the field of education.

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 MAC1114 and MAC1140).

NOTES:

1. Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355L) 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; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs; and an additional three (3) hours from any of the five categories.

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
TSL3080	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	
STA2023	Elementary Statistics	3.00	Pre-Reqs: MAC1105 OR MGF2106
MAS3105	Linear Algebra	3.00	Pre-Reqs: MAC2312 AND MAC2312L
MTG4212	Modern Geometry	3.00	Pre-Reqs: MAC2312 AND MAC2312L
MAS4203	Number Theory	3.00	Pre-Reqs: MAC2312 AND MAC2312L
EME3434	Integrating Technology into Math and Science	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND EME2040
STA4024	Statistics II	3.00	Pre-Reqs: MAC2311 AND MAC2312 AND STA2023
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
MHF4404	History of Mathematics	3.00	Pre-Reqs: MAC2311 AND MAC2311L
MAE4360	Mathematics Instructional Analysis	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
MAS3301	Abstract Algebra	3.00	Pre-Reqs: MAS3105
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	Pre-Reqs: EDF4430 AND TSL3080
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		
... ...2	recommendations for entry into program		
... ...	Year I		
... ...	Semester I		
ENC1101	Introduction to Composition	3.00	
SLS1122	Managing Your Success	3.00	
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: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR STA2023 Conc-Reqs: BSC1010L
BSC1010L	General Biology I (For Science Majors) Lab	1.00	Conc-Reqs: BSC1010
... ...	Year I		
... ...	Semester II		
		SEM HRS	
ENC1102	Writing with Research	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	3.00	Co-Reqs: ENC1101
LIT2110	Masterpieces of World Literature I	3.00	Pre-Reqs: ENC1101
EDF2085*3*	Introduction to Diversity for Educators	3.00	

... ... Year II
... ... Semester I

SEM HRS

SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
MAC2311*3*	Calculus I	3.00	Pre-Reqs: MAC1114 AND MAC1140 Conc-Reqs: MAC2311L
MAC2311L*3*	Calculus I Lab	1.00	Conc-Reqs: MAC2311
EME2040*3*	Introduction to Education Technology	3.00	
ECO2023	Principles of Micro Economics OR	3.00	Co-Reqs: ENC1101
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
MUL1010	Music Appreciation OR	3.00	Co-Reqs: ENC1101
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101

... ... 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	Introduction to Chemistry	3.00	Co-Reqs: 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
... ...*6* 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	
EDF3214	Child/Adolescent Development and Learning	3.00	
STA2023	Elementary Statistics	3.00	Pre-Reqs: MAC1105 OR MGF2106
MAS3105	Linear Algebra	3.00	Pre-Reqs: MAC2312 AND MAC2312L

... ... Year III
... ... Semester II

SEM HRS

MTG4212	Modern Geometry	3.00	Pre-Reqs: MAC2312 AND MAC2312L
MAS4203	Number Theory	3.00	Pre-Reqs: MAC2312 AND MAC2312L
STA4024	Statistics II	3.00	Pre-Reqs: MAC2311 AND MAC2312 AND STA2023
EME3434	Integrating Technology into Math and Science	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND EME2040
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080

			SEM HRS	
... ...	Year IV			
... ...	Semester I			
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety		3.00	Pre-Reqs: EDG4323
MHF4404	History of Mathematics		3.00	Pre-Reqs: MAC2311 AND MAC2311L
MAE4360	Mathematics Instructional Analysis		3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
MAS3301	Abstract Algebra		3.00	Pre-Reqs: MAS3105
EEX4242	Teaching Exceptional Students in Secondary Schools		3.00	Pre-Reqs: EDF4430 AND TSL3080

		SEM HRS	
... ...	Year IV		
... ...	Semester II		
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.

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 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.

6. Select courses may not be offered in every semester. It is strongly recommended that students work with an advisor within the College of Education to ensure appropriate scheduling of classes to stay on track toward graduation.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Education - Secondary Physics Education

Bachelor of Science in Education - Secondary Physics Education

Program Information

BS Degree - Code 6225 - Catalog 2015/2016
Amy Ringue, Chair, Education, 386-506-3186, ringuea@daytonastate.edu
Kristy Presswood, AVP, College of Education, 386-506-3822, presswk@daytonastate.edu

06/22/2015 M - 2038

Program Mission, Description, and Outcomes

Mission:
The Bachelor of Science in Secondary Physics Education will provide the 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:
The 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 Secondary Physics 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 Physics 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 or higher in all higher education classes.

3. Satisfactory completion of 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/admissions/bseducation.html 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. Please note, the offenses may prevent program completion and future employment in the field of education.

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), MAC2313/L (4 credits), PHY2048/L and PHY2049/L, and CHM1045/L and CHM1046/L.

Notes:

1. Once accepted, students must enroll in and complete a mandatory orientation class (SLS3355L) 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 cmoplete two semesters of 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; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs; and an additional three (3) hours from any of the five categories.

General Education Courses

Course	Title	SEM HRS
... ...	AA Degree Program of Study	60.00
... ...	BSED Program Core Course Credits	60.00

TOTAL ...		120.00

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
TSL3080	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	
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
TSL4081	ESOL Issues and Strategies II	3.00	Pre-Reqs: TSL3080
PHY3101	Modern Physics	3.00	Co-Reqs: MAC2313 AND MAC2313L Pre-Reqs: PHY2049
PHY4424	Geometrical and Physical Optics	3.00	Pre-Reqs: MAC2312 AND MAC2312L AND PHY2049L AND PHY2049
EME3434	Integrating Technology into Math and Science	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND EME2040
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	Pre-Reqs: EDF4430 AND TSL3080
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
PHY3221	Classical Mechanics	3.00	Pre-Reqs: PHY2049 AND PHY2049L AND PHY3101
PHY3513	Thermal Physics (Thermodynamics and Elementary Statistical Mechanics)	3.00	Pre-Reqs: MAC2312 AND MAC2312L AND PHY2049L AND PHY2049
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080
SCE4360	Science Instructional Analysis	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
EDG2905	Directed Study in Education	3.00	
ESE4943	Student Internship	9.00	
ESE4945	Internship Seminar	3.00	
TOTAL	Total Program Hours	60.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...2	The first two year are only recommendations for		
... ...	entry into program		
... ...	Year I		
... ...	Semester I		
ENC1101	Introduction to Composition	3.00	
MAC23113	Calculus I	3.00	Pre-Reqs: MAC1114 AND MAC1140 Conc-Reqs: MAC2311L
MAC2311L3	Calculus I Lab	1.00	Conc-Reqs: MAC2311
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	
CHM10453	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
SLS11223	Managing Your Success	3.00	
... ...	Year I		

		SEM HRS	
... ...	Semester II		

		SEM HRS	
LIT2110	Masterpieces of World Literature I	3.00	Pre-Reqs: ENC1101
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
EDF2085*3*	Introduction to Diversity for Educators	3.00	
MAC2312*3*	Calculus II	3.00	Pre-Reqs: MAC2311 Conc-Reqs: MAC2312L
EDF1005	Introduction to the Teaching Profession		
... ...	Year II		
... ...	Semester I		

		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
PHY2048*3*	Physics with Calculus I	4.00	Co-Reqs: MAC2311 AND MAC2311L Conc-Reqs: PHY2048L
MAC2313*3*	Calculus III	3.00	Pre-Reqs: MAC2312 Conc-Reqs: MAC2313L
... ...	Choose one of the following		

		SEM HRS	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101
... ...	Choose one of the following		

		SEM HRS	
ARH1000	Art Appreciation OR	3.00	Co-Reqs: ENC1101
MUL1010	Music Appreciation		Co-Reqs: ENC1101
... ...	Year II		
... ...	Semester II		

		SEM HRS	
EME2040*3*	Introduction to Education Technology	3.00	
PHY2049*3*	Physics with Calculus II	4.00	Co-Reqs: MAC2312 AND MAC2312L Pre-Reqs: PHY2048 OR PHY2048C Conc-Reqs: PHY2049L
CHM1046*3*	General College Chemistry II	3.00	Pre-Reqs: CHM1045 OR CHM1045C Conc-Reqs: CHM1046L
GEO2000	World Geography	3.00	
... ...*4*	Apply for Admission to the BS Program		
... ...*6*	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	
PHY3101	Modern Physics	3.00	Co-Reqs: MAC2313 AND MAC2313L Pre-Reqs: PHY2049
EEX4242	Teaching Exceptional Students in Secondary Schools	3.00	Pre-Reqs: EDF4430 AND TSL3080
... ...	Year III		
... ...	Semester II		

		SEM HRS	
EDF3214	Child/Adolescent Development and Learning	3.00	

PHY4424	Geometrical and Physical Optics	3.00	Pre-Reqs: MAC2312 AND MAC2312L AND PHY2049L AND PHY2049
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
EME3434	Integrating Technology into Math and Science	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND EME2040
TSL4081	ESOL Issues and Strategies II	3.00	Pre-Reqs: TSL3080
... ...	Year IV		
		SEM HRS	
... ...	Semester I		
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3.00	Pre-Reqs: EDG4323
PHY3221	Classical Mechanics	3.00	Pre-Reqs: PHY2049 AND PHY2049L AND PHY3101
PHY3513	Thermal Physics (Thermodynamics and Elementary Statistical Mechanics)	3.00	Pre-Reqs: MAC2312 AND MAC2312L AND PHY2049L AND PHY2049
LAE4361	Strategies for Literacy for Middle/High Schools	3.00	Pre-Reqs: EDG4323 AND TSL3080
SCE4360	Science Instructional Analysis	3.00	Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080
EDG2905	Directed Study in Education	3.00	
... ...	Year IV		
... ...	Semester II		
		SEM HRS	
ESE4943⁵	Student Internship	9.00	
ESE4945⁵	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 Secondary Physics 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 Secondary Physics 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 Physics Education 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.

6. Select courses may not be offered in every semester. It is strongly recommended that students meet with an advisor within the College of Education to ensure appropriate scheduling of classes to stay on track toward graduation.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Engineering Technology - Electrical Engineering Technology Concentration

Bachelor of Science in Engineering Technology - Electrical Engineering Technology Concentration

Program Mission, Description, and Outcomes

Mission:
To prepare students for successful employment in the field of Engineering Technology and Electronics through quality education and advisement.

Description:
The 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 program uses a 2 + 2 model requiring the completion of an associates degree for entry into the program. The degree components are below.

Program Educational Objectives

The educational objectives of the BSET program are as follows.

1. Career: Graduates will have a broad understanding of the key principles and practices of engineering technology, the written and oral communications skills, and the ability to work with others to apply these skills and knowledge to the design, implementation, and maintenance of systems.

2. Skills: Graduates will have an understanding of the mathematical and scientific concepts that underlie engineering technology applications, will apply this understanding, and acquire new skills and knowledge necessary to analyze technology problems and develop suitable solutions.

3. Professionalism and Ethics: Graduates will have an understanding of the ethical, human, and social issues of their field and will be involved members of the local and global communities acting as responsible technical professionals.

4. Life-Long Learning: Graduates will be active contributors to their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, and timeliness.

Program Outcomes

Graduates of the program will be able to:
1. Demonstrate an ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities.
2. Demonstrate an ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies.
3. Demonstrate an ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes.
4. Demonstrate an ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives.
5. Demonstrate an ability to function effectively as a member or leader on a technical team..
6. Demonstrate an ability to identify, analyze, and solve broadly-defined engineering technology problems.
7. Demonstrate an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.
8. Demonstrate an understanding of the need for and an ability to engage in self-directed continuing professional development.
9. Demonstrate an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.
10. Demonstrate a knowledge of the impact of engineering technology solutions in a societal and global context.
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. Students must submit a separate application for admissions to the upper two years of this program.

2. Applicants for the program must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or previous Bachelor of Science (BS) with an overall grade point average of 2.5.

3. 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 program.

4. Applicants who have not earned an associate degree may be admitted to the program if they have earned at least 60 transferrable college level credits with a grade of "C" or better in all core courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval of the Chair. Students gaining admission through greater than 60 hours must have completed a class in College Algebra (MAC 1105) or equivalent with a grade of C or better for admission.

5. Prior to graduation, students must complete: a) at least 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.

6. 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.

7. Specific to the graduation requirements of the program, students must complete a course in C language based Computer Programming (COP2001, COP2220, or equivalent).

8. Students must complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs and an additional three (3) hours from any of the five categories.

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 2012 that the annual salary for the middle 50% of engineering technologists was between $ 57,850 and $ 83,120. Median salary information for 2013 for Electronics and Electrical Technicians are available at http://www.bls.gov/oes

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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: EET1021 AND EET3085 AND MAC2311
EET4158	Linear Integrated Circuits	3.00	Pre-Reqs: EET1141 AND EET3716 AND EET2142 Conc-Reqs: EET4158L
EET4158L	Linear Integrated Circuits Lab	1.00	Conc-Reqs: EET4158
EET4732	Feedback Control Systems	3.00	Pre-Reqs: EET3716 AND PHY1053 AND MAC2311 Conc-Reqs: EET4732L
EET4732L	Feedback Control Systems Lab	1.00	Conc-Reqs: EET4732
ETS3543		2.00	Pre-Reqs: MAC1105 Conc-Reqs: ETS3543L

Programmable Logic Applications and Device

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 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
EGN3613	Engineering Economics Analysis	3.00	Pre-Reqs: MAC2311
ETI4448	Project Management and Senior Design I	3.00	
ETP4240	Power Systems	3.00	Pre-Reqs: EET1021 AND EET3085 Conc-Reqs: ETP4240L OR EET4548L
ETP4240L	Power Systems Lab	1.00	Conc-Reqs: ETP4240 OR EET4548
GEB3213	Business Writing	3.00	Co-Reqs: ENC1101
MAP3401	Problem Analysis	3.00	Pre-Reqs: MAC2311
TOTAL	...	42.00	

	Elective Courses (Choose 6 Credits)		
... ...		**SEM HRS**	
CEN4010	Software Engineering	3.00	Pre-Reqs: COP3530
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
CDA4101	Computer Organization and Design	3.00	Pre-Reqs: CET1112 OR CET3116
COP4610	Operating Systems	3.00	Pre-Reqs: CTS3348 OR CTS2321
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
ETM4331	Applied Fluid Mechanics	3.00	Pre-Reqs: MAC2311 AND PHY1053 OR PHY2048
ETI4704	Occupational Safety	3.00	
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	Co-Reqs: ENC1101
... ...	General Education Core	3.00	
... ...	General Education Core	3.00	
... ...	Semester II		
		SEM HRS	
EET3716	Network Analysis	3.00	Pre-Reqs: EET1021 AND EET3085 AND MAC2311
EGN3613	Engineering Economics Analysis	3.00	Pre-Reqs: MAC2311
... ...	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: EET1021 AND EET3085 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: EET1141 AND EET3716 AND EET2142 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: EET3716 AND PHY1053 AND MAC2311 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 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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Bachelor of Science in Engineering Technology (BSET)

Bachelor of Science in Engineering Technology (BSET)

─ Program Mission, Description, and Outcomes ─

Mission:
To prepare students for successful employment in the field of Engineering Technology through quality education and advisement.

Description:
The Bachelors of Science in Engineering Technology 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 uses a 2 + 2 model requiring the completion of an associates degree for entry into the program. The degree components are shown below.

Program Educational Objectives

The educational objectives of the BSET program are as follows.

1. Career: Graduates will have a broad understanding of the key principles and practices of engineering technology, the written and oral communications skills, and the ability to work with others to apply these skills and knowledge to the design, implementation, and maintenance of systems.

2. Skills: Graduates will have an understanding of the mathematical and scientific concepts that underlie engineering technology applications, will apply this understanding, and acquire new skills and knowledge necessary to analyze technology problems and develop suitable solutions.

3. Professionalism and Ethics: Graduates will have an understanding of the ethical, human, and social issues of their field and will be involved members of the local and global communities acting as responsible technical professionals.

4. Life-Long Learning: Graduates will be active contributors to their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, and timeliness.

Program Outcomes

Graduates of the program will be able to:
1. Demonstrate an ability to select and apply the knowledge, techniques, skills, and modern tools appropriate to the discipline.

2. Demonstrate an ability to select and apply knowledge of mathematics, science, engineering, and appropriate technology to engineering technology problems that require the application of principles and applied procedures or methodologies.

3. Demonstrate an ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes.

4. Demonstrate an ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives.

5. Demonstrate an ability to function effectively as a member or leader on a technical team.

6. Demonstrate an ability to identify, analyze, and solve broadly-defined engineering technology problems.

7. Demonstrate an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.

8. Demonstrate an understanding of the need for and an ability to engage in self-directed continuing professional development.

9. Demonstrate an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.

10. Demonstrate a knowledge of the impact of engineering technology solutions in a societal and global context.

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. Students must submit a separate application for admissions to the upper two years of this program.

2. Applicants for the BSET must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or previous Bachelor of Science (BS) with an overall grade point average of 2.5, or higher.

3. 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.

4. Applicants who have not earned an associate degree may be admitted to the BSET if they have earned at least 60 transferrable college level credits with a grade of "C" or better in all core courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval of the Chair. Students gaining admission through greater than 60 hours must have completed a class in College Algebra (MAC 1105) or equivalent with a grade of C or better for admission.

5. Prior to graduation, students must complete: a) at least 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.

6. 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.

7. Specific to the graduation requirements of the BSET, students must complete a course in Computer Programming (e.g. COP2001, COP2220, or equivalent).

8. Students must complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs and an additional three (3) hours from any of the five categories.

Careers

Some associated careers are technical positions in the expanding fields of engineering and technology incuding but not limited to: systems engineer, process analyst, technical sales engineer, project engineer, field engineer, and calibration engineer.

The Bureau of Labor Statistics reported in 2013 that the annual salary for the median 50% of engineering technologists was between $ 59,440 and $ 90,560. Information on engineering technology careers (both 2 year and 4 year degreed) are available at http://www.bls.gov/oes/current/oes173029.htm#nat

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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
... ...	Concentration Required Courses		
EET3085	Electricity and Electronics	3.00	Pre-Reqs: MAC1105 OR MAC1114 OR MAC1140 OR MAC2311 Conc-Reqs: EET3085L
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: EET3086 AND MAC2311 AND ETG3541 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 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
EGN3613	Engineering Economics Analysis	3.00	Pre-Reqs: MAC2311
ETI4448	Project Management and Senior Design I	3.00	
ETM4220	Energy Systems	3.00	Pre-Reqs: MAC2311
GEB3213	Business Writing	3.00	Co-Reqs: ENC1101
MAP3401	Problem Analysis	3.00	Pre-Reqs: MAC2311
TOTAL	...	36.00	

... ...	Elective Courses (Choose 12 Credits)		
		SEM HRS	
ETC4206	Construction Estimating	3.00	Pre-Reqs: ETC4241 AND MAC1114
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	2.00	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	3.00	
ETI4186	Applied Reliability	3.00	Pre-Reqs: ETI3116
ETI4205	Applied Logistics	3.00	
ETI4640	Operations Management	3.00	Pre-Reqs: ETI3116
ETI4704	Occupational Safety	3.00	
ETM4331	Applied Fluid Mechanics	3.00	Pre-Reqs: MAC2311 AND PHY1053 OR PHY2048
EGN3311	Statics	3.00	Pre-Reqs: MAC2311 AND PHY2048
EET3085L	Electricity and Electronics Lab	1.00	Conc-Reqs: EET3085

... ...	Elective Credits for Concentration	12.00	
		SEM HRS	
TOTAL	...	48.00	

Sample Program of Study

Course	Title		
... ...	Semester I		
		SEM HRS	
GEB3213	Business Writing	3.00	Co-Reqs: ENC1101
EET3085	Electricity and Electronics	3.00	Pre-Reqs: MAC1105 OR MAC1114 OR MAC1140 OR MAC2311 Conc-Reqs: EET3085L
EGN3613	Engineering Economics Analysis	3.00	Pre-Reqs: MAC2311
... ...	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	2.00	Pre-Reqs: EET3086 AND MAC2311 AND ETG3541 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	2.00	Pre-Reqs: ETI4448 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.

— Notes —

It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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Bachelor of Science in Nursing - BSN

Program Information

BS Degree - Code 6441 - Catalog 2015/2016
Linda Vought, Office Assistant, 386-506-3250, voughtl@DaytonaState.edu
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08/05/2015 M - 2086

Program Mission, Description, and Outcomes

Mission:
The mission of the School of Nursing 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 registered nursing to Bachelor of Science in nursing (RN-BSN) program was developed for the new or working nurse interested in career advancement. The program offers a flexible schedule for the working adult allowing students to take classes full or part time. It is designed for nurses whose highest academic credential is a diploma or associate degree in nursing and possess a registered nursing license in Florida. It provides a seamless transition from the associate degree to the baccalaureate degree and prepares graduates for a broader scope of nursing practice.

Program Accreditation: The Bachelor of Science in Nursing program is accredited by the Accreditation Commission for Education in Nursing . Information about tuition, fees and program length also may be obtained from the Accreditation Commission for Education in Nursing (ACEN) 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326 or call 404 975-5000.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

Outcomes:
Graduates of the Bachelor of Science in nursing program will be able to:
1. Plan care in accordance with management and leadership principles using evidence- based research for patients across the lifespan.
2. Synthesize knowledge of quality improvement and patient safety to improve patient-care outcomes.
3. Appraise empirical evidence derived from research to identify clinical problems, plan appropriate care, provide nursing interventions which are grounded in evidence, and evaluate the effectiveness of nursing care to patients across the lifespan.
4. Model interpersonal communication to effectively collaborate with members of the health care team while promoting optimal health care for all patients.
5. Examine safe, appropriate, evidence-based care based on health promotion, disease and injury prevention, to improve population health.
6. Integrate inherent values as defined by the ANA Code of Ethics, as a foundation to base nursing theory in practice in the role of the BSN.
7. Formulate plans of care which provide culturally sensitive, non-discriminatory care to individuals, groups and communities in today's global environment.
8. Integrate information management technology to improve patient outcomes.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Laboratory and Liability Insurance: $40
Textbooks: $1,000
Uniforms: $150
Laboratory Supplies: $50
FDLE/FBI Background Check: $90

Additional Admission Requirements

-Complete College Application and Submit Official Transcripts
-AS Nursing or Diploma in Nursing from Regionally Accredited Institution (Diploma must equate to Associate of Science Degree in Nursing)
-Unencumbered Florida Nursing License
-GPA 2.5 or higher
-Two letters of recommendation (one from current or prior employer)

-After acceptance into the program students will meet with advising to develop a curriculum plan.
-The program of study must be completed within a three year timeframe.
- 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.

- General education, electives and program specific courses must be completed with a grade of 'C' or better.

***PRIOR to FIRST PRACTICUM
-Completion of health screening to include: recent physical examination; verification of immunization against influenza, 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 courses with practicum requirements.
- 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 courses with practicum requirements.
-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) prior to enrolling in courses with practicum requirements.

Requirements for graduation from the Bachelor of Science in nursing (BSN) 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 48 hours of Bachelor of Science in nursing program.
-Students must successfully complete 36 hours of general education as established by Daytona State College for its Associate of Arts degree program.
-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 complete 25 percent of the overall degree requirements, 25 percent of program-specific classes, and 25 percent of the upper-level program-specific credits at Daytona State College.
-Students must meet all other Daytona State graduation policies and deadlines.

General Education Courses

Course	Title	
... ...	Associate Degree General Education and Electives	30.00
... ...	Associate Degree Major Program Specific	42.00
... ...	BS Nursing Major Program Specific	48.00
TOTAL ...		120.00

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
NUR3846	Critical Approaches to Nursing Theory	3.00	Co-Reqs: DEP2004 Pre-Reqs: ENC1101 AND SPC2608
NUR3065	Health Assessment	3.00	Co-Reqs: HUN1201 Pre-Reqs: NUR3125
NUR3125	Pathophysiology	3.00	Co-Reqs: CHM1025 OR CHM1046 Pre-Reqs: BSC1085 AND MCB1010 AND BSC1086
NUR3145	Pharmacology	2.00	Co-Reqs: STA2023 Pre-Reqs: MGF2106 OR MAC1105 AND NUR3065
NUR3655	Nursing in a Multicultural Society	3.00	Co-Reqs: LIT2110 OR LIT2120 Pre-Reqs: NUR3826
NUR3826	Legal and Ethical Aspects of Nursing	3.00	Pre-Reqs: NUR3846 AND PSY1012
NUR4636	Community Health Nursing	2.00	Pre-Reqs: NUR3145 Conc-Reqs: NUR4636L
NUR4636L	Community Health Nursing with Practicum	2.00	Conc-Reqs: NUR4636
NUR4169	Nursing Research and Evidence-Based Practice	3.00	Pre-Reqs: NUR3655
NUR4837	Health Care Policy and Economics	3.00	Pre-Reqs: NUR3655 AND NUR3826
NUR4827	Leadership and Clinical Decision-Making	3.00	Pre-Reqs: NUR3125 AND NUR3145 AND NUR3065 AND NUR3655 AND NUR4636 AND NUR3826 AND NUR3846 AND NUR4169 Conc-Reqs: NUR4827L
NUR4827L	Leadership and Clinical Decision-Making Practicum	2.00	Conc-Reqs: NUR4827

Sample Program of Study

Course	Title		

... ...   **FIRST SEMESTER**

Course	Title	SEM HRS	
NUR3846	Critical Approaches to Nursing Theory	3.00	Co-Reqs: DEP2004 Pre-Reqs: ENC1101 AND SPC2608
DEP2004	Developmental Psychology	3.00	
NUR3125	Pathophysiology	3.00	Co-Reqs: CHM1025 OR CHM1046 Pre-Reqs: BSC1085 AND MCB1010 AND BSC1086
CHM1025	Introduction to Chemistry	3.00	Co-Reqs: 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

... ...   **SECOND SEMESTER**

Course	Title	SEM HRS	
NUR3065	Health Assessment	3.00	Co-Reqs: HUN1201 Pre-Reqs: NUR3125
HUN1201	Human Nutrition	3.00	
NUR3826	Legal and Ethical Aspects of Nursing	3.00	Pre-Reqs: NUR3846 AND PSY1012
STA2023	Elementary Statistics	3.00	Pre-Reqs: MAC1105 OR MGF2106

... ...   **THIRD SEMESTER**

Course	Title	SEM HRS	
NUR3145	Pharmacology	2.00	Co-Reqs: STA2023 Pre-Reqs: MGF2106 OR MAC1105 AND NUR3065
NUR3655	Nursing in a Multicultural Society	3.00	Co-Reqs: LIT2110 OR LIT2120 Pre-Reqs: NUR3826
LIT2110	Masterpieces of World Literature I OR	3.00	Pre-Reqs: ENC1101
LIT2120	Masterpieces of World Literature II	3.00	Pre-Reqs: ENC1101
NUR4636	Community Health Nursing	2.00	Pre-Reqs: NUR3145 Conc-Reqs: NUR4636L
NUR4636L	Community Health Nursing with Practicum	2.00	Conc-Reqs: NUR4636

... ...   **FOURTH SEMESTER**

Course	Title	SEM HRS	
NUR4169	Nursing Research and Evidence-Based Practice	3.00	Pre-Reqs: NUR3655
NUR4837	Health Care Policy and Economics	3.00	Pre-Reqs: NUR3655 AND NUR3826
NUR4827	Leadership and Clinical Decision-Making	3.00	Pre-Reqs: NUR3125 AND NUR3145 AND NUR3065 AND NUR3655 AND NUR4636 AND NUR3826 AND NUR3846 AND NUR4169 Conc-Reqs: NUR4827L
NUR4827L	Leadership and Clinical Decision-Making Practicum	2.00	Conc-Reqs: NUR4827

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

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Bachelor of Science Information Technology - BSIT

Program Information

BS Degree - Code 6334 - Catalog 2015/2016
Ronald Eaglin, AVP College of Technology, 386-506-4176, eaglinr@daytonastate.edu
Anindya Paul, Chair - College of Technology, 386-506-4155, paula@DaytonaState.edu
Beth Rafferty, 386-506-4138, raffere@daytonastate.edu

08/26/2015 M - 2141

Program Mission, Description, and Outcomes

Mission:
To prepare students for successful employment in the field of Information Technology through quality education and advisement.

Description:
The BSIT degree prepares graduates for technical positions in the fields of information systems management, information technology, network security, and digital forensics, and computer programming. Graduates of this program will have a broad understanding of processes that support the development, delivery and management, and security of information systems.

Program Educational Objectives

The educational objectives of the BSET program are as follows.

1. **Career:** Graduates will have a broad understanding of the key principles and practices of engineering technology, the written and oral communications skills, and the ability to work with others to apply these skills and knowledge to the design, implementation, and maintenance of systems.

2. **Skills:** Graduates will have an understanding of the mathematical and scientific concepts that underlie engineering technology applications, will apply this understanding, and acquire new skills and knowledge necessary to analyze technology problems and develop suitable solutions.

3. **Professionalism and Ethics**: Graduates will have an understanding of the ethical, human, and social issues of their field and will be involved members of the local and global communities acting as responsible technical professionals.

4. **Life-Long Learning:** Graduates will be active contributors to their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, and timeliness.

Program Outcomes

Graduates of the program will be able to;
1. Demonstrate an ability to apply knowledge of computing and mathematics appropriate to the discipline.
2. Demonstrate an ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. Demonstrate an ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
4. Demonstrate an ability to function effectively on teams to accomplish a common goal.
5. Demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities.
6. Demonstrate an ability to communicate effectively with a range of audiences.
7. Demonstrate an ability to 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. Demonstrate an ability to use current techniques, skills, and tools necessary for computing practice.
10. Demonstrate an ability to use and apply current technical concepts and practices in the core information technologies.
11. Demonstrate an ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
12. Demonstrate an ability to effectively integrate IT-based solutions into the user environment.
13. Demonstrate an understanding of best practices and standards and their application.
14. Demonstrate an ability to assist in the creation of an effective project plan.

The BSIT degree uses a 2 + 2 model requiring the completion of an associates degree (AA, AS, or AAS) for admission into the program.

Students must have course work or an equivalent educational experience that covers that fundamental areas of:

1. Human computer interaction
2. Information management
3. Computer programming and software engineering
4. Computer network design and maintenance
5. Web systems and technologies
6. Informtion assurance and security

7. System administration and maintance
8. System integration and architecture
9. Professional requirements of the IT profession

Note: This program is eligible for federal financial aid and state bright futures.

Additional Admission Requirements

1. Students must submit a separate application for admissions to the upper two years of this program.

2. Applicants for the BSIT degree must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or previous Bachelor of Science (BS) with an overall grade point average of 2.5.

3. 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 program.

4. Applicants who have not earned an associate degree may be admitted to the BSIT if they have earned at least 60 transferrable college level credits with a grade of "C" or better in all core courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval of the Chair. Students gaining admission through greater than 60 hours must have completed a class in College Algebra (MAC 1105) or equivalent with a grade of C or better for admission.

5. Prior to graduation, students must complete a minimum of: 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.

6. 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.

7. Specific to the graduation requirements of the program, students must complete a course in Statistics (STA2023) and Calculus (MAC2311) to fulfill the mathematics requirements of the program

8. A course in Discrete Mathematics (MAD2104) or Discrete Analysis (COT3100 or COT3103) or equivalent should be completed either as a pre-requisite to the program or in the first semester of the program.

9. It is highly recommended that students considering the BSIT take 2 semesters of programming as part of their AA or AS program prior to starting the program. Recommended courses are COP1000 and second semester programming such as COP2001, COP2220, or COP2800.

10. Students must complete 9 hours in an area of specialization. Students should refer to the Specializations for available options.
11. Students must complete the State mandated 36 hours of general education core prior to graduation: Communications - 9 hrs; Mathematics - 6 hrs; Natural Sciences - 6 hrs; Humanities - 6 hrs; Social Sciences - 6 hrs and an additional three (3) hours from any of the five categories.

Careers

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 2010 the mean annual wages for the following information technology professions; network and computer systems administrators - $69,160; Database administrators - $73,490, computer programmer - $71,380, Information Security Analyst - $75,660
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	
... ...	AA/AS Program of Study	44.00
... ...	General Education Requirements	36.00
... ...	Upper Level Required or Electives	48.00
TOTAL ...		128.00

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title

		SEM HRS	
COP3530	Data Structures	3.00	Pre-Reqs: COP2800 OR COP2001 OR COP2220 AND MAD2104 OR COT3100
COP4610	Operating Systems	3.00	Pre-Reqs: CTS3348 OR CTS2321
CNT3104	Introduction to Telecommunications	2.00	Pre-Reqs: PHY2049 OR EET1011 OR EET3086 OR EET3085
CIS4250	Ethical Issues in IT	1.00	Pre-Reqs: GEB3213
CNT4007	Data and Computer Communications	3.00	Pre-Reqs: CNT3104
CIS4360	Applied Cybersecurity	3.00	Pre-Reqs: CTS3348 OR CTS2321 OR COP2800
COP4813	Web Systems I	3.00	Pre-Reqs: COP2800 OR COP2220 OR COP2001
CDA4101	Computer Organization and Design	3.00	Pre-Reqs: CET1112 OR CET3116
CNT4703	Voice and Data Network Design	3.00	Pre-Reqs: CNT3104 AND CNT4007
COP4708	Applied Database I	3.00	Pre-Reqs: COP2800 OR COP2001 OR COP2220
GEB3213	Business Writing	3.00	Co-Reqs: ENC1101
CEN4010	Software Engineering	3.00	Pre-Reqs: COP3530
CEN4801	Systems Integration	3.00	Pre-Reqs: COP3530
CEN3722	Human Computer Interfaces	3.00	Pre-Reqs: COP2800
... ...	Upper Level Elective Credits (see advisor)	9.00	
TOTAL	...	48.00	

Specializations

Course	Title		
... ...	Web Systems Programming (Pick 3 Courses)	9.00	
		SEM HRS	
COP4709	Applied Database II	3.00	Pre-Reqs: COP4708 OR COP2700
COP4834	Web Systems II	3.00	Pre-Reqs: COP4813
CIS4510	IT Project Management	3.00	Pre-Reqs: CET3383
... ...			
... ...	Cybersecurity and Cyberforensics (Pick 3 Courses)	9.00	
		SEM HRS	
CET4860	Introduction to Digital Forensics	3.00	Pre-Reqs: CTS3348
CET4861	Advanced Digital Forensics	3.00	Pre-Reqs: CET4885
CET4862	Network Forensics and Incident Response	3.00	Pre-Reqs: CET4663
CET4884	Security Methods and Practice	3.00	Pre-Reqs: CTS3348

Sample Program of Study

Course	Title		
... ...	Semester 1	15.00	
		SEM HRS	
COP3530	Data Structures	3.00	Pre-Reqs: COP2800 OR COP2001 OR COP2220 AND MAD2104 OR COT3100
CNT3104	Introduction to Telecommunications	2.00	Pre-Reqs: PHY2049 OR EET1011 OR EET3086 OR EET3085
GEB3213	Business Writing	3.00	Co-Reqs: ENC1101
MAC1114	College Trigonometry	3.00	Pre-Reqs: MAC1105 OR MAC1104
CTS2321	Linux Fundamentals	4.00	
... ...	Semester 2	15.00	

		SEM HRS	
COP4610	Operating Systems	3.00	Pre-Reqs: CTS3348 OR CTS2321
CIS4360	Applied Cybersecurity	3.00	Pre-Reqs: CTS3348 OR CTS2321 OR COP2800
COP4708	Applied Database I	3.00	Pre-Reqs: COP2800 OR COP2001 OR COP2220
MAC1140	Pre-Calculus Algebra	3.00	Pre-Reqs: MAC1105 OR MAC1104
... ...	Semester 3	14.00	
		SEM HRS	
CDA4101	Computer Organization and Design	3.00	Pre-Reqs: CET1112 OR CET3116
CIS4250	Ethical Issues in IT	1.00	Pre-Reqs: GEB3213
CEN4801	Systems Integration	3.00	Pre-Reqs: COP3530
MAC2311	Calculus I	3.00	Pre-Reqs: MAC1114 AND MAC1140 Conc-Reqs: MAC2311L
MAC2311L	Calculus I Lab	1.00	Conc-Reqs: MAC2311
CEN4010	Software Engineering	3.00	Pre-Reqs: COP3530
... ...	Semester 4	12.00	
		SEM HRS	
CNT4007	Data and Computer Communications	3.00	Pre-Reqs: CNT3104
COP4813	Web Systems I	3.00	Pre-Reqs: COP2800 OR COP2220 OR COP2001
... ...	Specialization Elective	3.00	
... ...	Specialization Elective	3.00	
... ...	Semester 5	6.00	
CNT4703	Voice and Data Network Design	3.00	Pre-Reqs: CNT3104 AND CNT4007
... ...	Specialization Elective	3.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

Students must have access to a personal computer to run software required for the program. Computers are available at all Daytona State College campuses. Students wishing to purchase a computer for the program should contact the program office to determine minimum computer specifications.

2015-2016 College Catalog. To view previous catalogs, please click here.

Baking and Pastry

Program Information

Vocational Certificate - Code 1034 - Catalog 2015/2016
Costa Magoulas, Dean, 386-506-3578, magoulc@daytonastate.edu
Lisa Allen, Program Advisor, 386-506-3946, allenl@DaytonaState.edu

08/20/2015 M - 2098

Program Mission, Description, and Outcomes

Mission:
The Baking and Pastry 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: $99 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $1,200
Textbook Estimate: $285
Uniform: $150
Pastry Kit: $270

*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.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student, with 63% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 43%.

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
HMV0104	Advanced Pastry	2.50
FSS0070	Artisan Breads	2.50
FSS0071	Cakes and Petit Fours	2.50
FSS0072	Desserts Production and Presentation	2.50
FSS0291	Chocolate and Pastillage and Sugar	2.50
HMV0145	Wholesale Bakeshop Production	2.50
HMV0146	Retail Bakeshop Production	2.50

Sample Program of Study

Course	Title	VOC HRS
... ...	First Semester	
HMV0103	Pastry I	2.50
HMV0104	Advanced Pastry	2.50
FSS0070	Artisan Breads	2.50
... ...	Second Semester	
		VOC HRS
FSS0071	Cakes and Petit Fours	2.50
FSS0072	Desserts Production and Presentation	2.50
FSS0291	Chocolate and Pastillage and Sugar	2.50
... ...	Summer Semester	
		VOC HRS
HMV0145	Wholesale Bakeshop Production	2.50
HMV0146	Retail Bakeshop Production	2.50
TOTAL	VOC. HRS.	20.00
TOTAL	CONTACT HRS.	600.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Barbering

Barbering

Program Mission, Description, and Outcomes

Mission:
Daytona State College will develop and encourage future leaders in the barbering industry. We shall develop their skills and critical thinking abilities, enhancing knowledge of innovations in the industry.

Description:
This program is comprised of 1200 hours of instruction consisting of both theoretical and practical training. Students will practice on mannequins and clients of the barbering program to develop and refine the skills used and taught in the barber class. Instruction is given in the fundamental knowledge behind the skill. Upon completion of the barber program requirements, a certificate will be awarded and graduates are eligible to take the State Licensure Board Examination for a Barber Stylist License.

Outcomes:
Graduates of the program will be able to:
1. Master and complete all skills as required by State Board.
2. Demonstrate in a classroom setting, the theory and skill based training for safe and efficient work practices based on Occupational Safety and Health Administration (OSHA) standards and the Department of Business and Professional Regulations.
3. Master all skills in hair, skin, nails and shaving.
4. Apply critical thinking skills to solve problems that may arise in the barbering industry.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,357*
Access Fee: $197 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $836
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.

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.
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.

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 1204: Barbering
CIP Code (6 digits) - 12.0402

Program Length: This is a new program and the typical length of this program is one (1) year/three (3) semesters (40 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field: no data available at this time.

12.0402 Barbering
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.onetoline.org/link/summary/39-5091.00
39-5092.00 Manicurists and Pedicurists http://onetoline.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=395011&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.

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	
COS0012L	Barbering Lab - Level I	8.00	
COS0511L	Barbering Lab - Level II	8.00	Pre-Reqs: COS0012L
COS0560L	Barbering Lab - Level III	8.00	Pre-Reqs: COS0012L AND COS0511L
COS0570L	Barbering Lab - Level IV	8.00	Pre-Reqs: COS0012L AND COS0511L AND COS0560L
COS0580L	Barbering Lab - Level V	8.00	Pre-Reqs: COS0012L AND COS0511L AND COS0570L AND COS0560L
TOTAL	VOC HOURS	40.00	
TOTAL	CLOCK HOURS	1200.00	

Specializations

Course	Title	VOC HRS
COS0501L	Barbering Bridge Lab - Introduction to Barbering: Shaves/Beards/Mustaches	8.00

Sample Program of Study

Course	Title	VOC HRS	
... ...	1st Semester		
COS0012L	Barbering Lab - Level I	8.00	
COS0511L	Barbering Lab - Level II	8.00	Pre-Reqs: COS0012L
... ...	2nd Semester		
COS0560L	Barbering Lab - Level III	8.00	Pre-Reqs: COS0012L AND COS0511L
COS0570L	Barbering Lab - Level IV	8.00	Pre-Reqs: COS0012L AND COS0511L AND COS0560L
... ...	3rd Semester		
COS0580L	Barbering Lab - Level V	8.00	Pre-Reqs: COS0012L AND COS0511L AND COS0570L AND COS0560L
TOTAL	VOC. HRS.	40.00	
TOTAL	CONTACT HRS.	1200.00	

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 A.S. degree program is to provide a quality education that prepares the successful student for a career in business 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. Specific courses will utilize the latest Microsoft Suite as designated by the course syllabus. Graduates learn marketing, finance, accounting, management, human relations, business law, and entrepreneurial skills.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: Business Management - 0916 ; Business Operations - Entrepreneurship - 0913. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

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.

Credits earned in this AS degree may be applied toward the 0913 Business Operations-Entrepreneurship and the 0916 Business Management certificates.

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 and Business Management Certificate - 0916 See your Advisor for additional information.

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 - 24 Credits		
... ...	Communication (9 credits)		
ENC1101	Introduction to Composition	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101

SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

... ...   Mathematics (6 credits)
... ...   (choose two math courses listed below - see Notes)

		SEM HRS	
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
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 MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
STA2023	Elementary Statistics	3.00	Pre-Reqs: MAC1105 OR MGF2106

... ...   Humanities (3 credits)
... ...   Choose One Course

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

... ...   Social Science (6 Credits)
... ...   Choose Two Courses

		SEM HRS	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
ACG2021	Principles of Financial Accounting	3.00	
ACG2071	Principles of Managerial Accounting	3.00	Pre-Reqs: ACG2022 OR ACG2021
BUL2241	Business Law I	3.00	
GEB1011	Introduction to Business	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
ISM2000	Business Information Processing	3.00	
MAN2021	Principles of Management	3.00	
MAR2011	Principles of Global Marketing	3.00	
SBM2000	Small Business Management	3.00	

... ...   Accounting or Finance Elective (3 credits)
... ...   Choose One Course

Course	Title	SEM HRS	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	

	Business Elective (6 credits) Choose Two Courses)	
		SEM HRS
GEB2351	International Business	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
QMB1001	Business Math	3.00

Sample Program of Study

Course	Title		
... ...	FIRST YEAR		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
GEB1011	Introduction to Business	3.00	
ISM2000	Business Information Processing	3.00	
... ...	Accounting or Finance Elective (3 credits)		
... ...	Choose One Course		
		SEM HRS	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	
... ...	2nd Semester		
		SEM HRS	
MAR2011	Principles of Global Marketing	3.00	
SBM2000 2	Small Business Management	3.00	
... ...	First Math Core	3.00	
... ...	Business Elective - Choose Two of the Following		
		SEM HRS	
GEB2351	International Business	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	
QMB1001	Business Math	3.00	
... ...	Summer Semester		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Humanities	3.00	
... ...	SECOND YEAR		
... ...	1st Semester		
		SEM HRS	

ACG2021	Principles of Financial Accounting	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
... ...	Second Math Core	3.00	
MAN2021	Principles of Management	3.00	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101

... ...	2nd Semester		
		SEM HRS	
ACG2071	Principles of Managerial Accounting	3.00	Pre-Reqs: ACG2022 OR ACG2021
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101
BUL2241	Business Law I	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101

| TOTAL | ... | 60.00 | |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

---Notes---

1. Students seeking to transfer to Bachelor's program are encouraged to complete an additional math core requirement. Check with the institution to determine their requirement.

2. Will utilize the latest Microsoft Suite as designated by the course syllabus.

UPON COMPLETION OF THIS DEGREE, STUDENTS ARE ELIGIBLE TO APPLY AND RECEIVE BOTH THE 0913 BUSINESS OPERATIONS-ENTREPRENEURSHIP AND THE 0916 BUSINESS MANAGEMENT CERTIFICATES.

*If the sample program of study is followed, students may earn certificate 0913 after completing two semesters.

2015-2016 College Catalog. To view previous catalogs, please click here.

Business Management

─ Program Mission, Description, and Outcomes ─

Mission:
The mission of the Business Management Certificate is to provide a quality education that prepares the successful student for business administration.

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 use financial information to support decision making.
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 2059 AS degree in Business Administration and 0913 Business Operations Entrepreneurship certificate.

Note: This program is eligible for federal financial aid and state bright futures.

─ Approximate Additional Costs ─

Program Tuition and Fees: $2,508*
Access Fee: $118 ($4.93 per credit)
Assessment Fee: $35
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 information see: http://www.daytonastate.edu/scholarships.

─ Additional Admission Requirements ─

- Program Specific Courses require a "C" or better.

─ Careers ─

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student, with 6% graduating within 2 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) 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	
BUL2241	Business Law I	3.00	
GEB1011	Introduction to Business	3.00	
ISM2000	Business Information Processing	3.00	
MAN2021	Principles of Management	3.00	
MAR2011	Principles of Global Marketing	3.00	
SBM2000	Small Business Management	3.00	

Course	Title	SEM HRS	
... ...	Accounting or Finance Elective (3 credits)		
... ...	Choose One		
ACG2021	Principles of Financial Accounting	3.00	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	

Course	Title	SEM HRS	
... ...	Business Elective (3 credits) Choose One		
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101
GEB2351	International Business	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	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
QMB1001	Business Math	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st SEMESTER		
BUL2241	Business Law I	3.00	
GEB1011	Introduction to Business	3.00	
ISM2000	Business Information Processing	3.00	
MAN2021	Principles of Management	3.00	
... ...	2nd SEMESTER		
MAR2011	Principles of Global Marketing	3.00	
SBM2000	Small Business Management	3.00	
... ...	Accounting or Finance Elective (3 credits)		
... ...	Choose One		
ACG2021	Principles of Financial Accounting	3.00	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	

		Business Elective (3 credits) Choose One		
... ...			**SEM HRS**	
ECO2013	Principles of Macro Economics		3.00	Co-Reqs: ENC1101
ECO2023	Principles of Micro Economics		3.00	Co-Reqs: ENC1101
GEB2351	International Business		3.00	
GEB2430	Ethics and Social Responsibility		3.00	Co-Reqs: ENC1101
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	
QMB1001	Business Math		3.00	
TOTAL	...		24.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

UPON COMPLETION OF THIS CERTIFICATE, STUDENTS MAY BE ELIGIBLE TO RECIEVE AND APPLY FOR CERTIFICATE 0913.
CREDITS EARNED IN THIS CERTIFCATE MAY BE APPLIED TOWARD THE 2059 AS DEGREE IN BUSINESS ADMINISTRATION.

2015-2016 College Catalog. To view previous catalogs, please click here.

Business Operations - Entrepreneurship

Program Information

A.S. Certificate - Code 0913 - Catalog 2015/2016
John Weiss, Assistant Chair, 386-506-3792, weissj@daytonastate.edu
School of Business Admin., 386-506-4227

08/20/2015 M - 2115

Program Mission, Description, and Outcomes

Mission:
The mission of the Business Operations Certificate is to provide a quality education that prepares the successful student for business administration.

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 use financial information to support decision making.
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 2059 AS degree in Business Administration, 2221 AS degree in Industrial Management Technology, and the 0916 Business Management certificate.

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: $89 ($4.93 per credit)
Assessment Fee: $35
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

- Program Specific Courses require a "C" or better.

Careers

Program Length: The typical length of this program is two (2) semesters for a full-time student, with 7% graduating within 2 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 100%.

Some credits earned in this program may be applied toward the AS degree in Business Administration - 2059 or the AS degree in Industrial Management Technology - 2221.
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.

Course	Title	SEM HRS	
GEB1011	Introduction to Business	3.00	
ISM2000	Business Information Processing	3.00	
MAR2011	Principles of Global Marketing	3.00	
SBM2000	Small Business Management	3.00	

... ...   Accounting or Finance Elective - Choose one:

Course	Title	SEM HRS	
ACG2021	Principles of Financial Accounting	3.00	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	

... ...   Business Elective Choose One (3 credits)

Course	Title	SEM HRS	
BUL2241	Business Law I	3.00	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101
GEB2351	International Business	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
MAN2021	Principles of Management	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	
QMB1001	Business Math	3.00	

┌─ Sample Program of Study ───┐

Course	Title

... ...   1st SEMESTER

Course	Title	SEM HRS	
ISM2000	Business Information Processing	3.00	
GEB1011	Introduction to Business	3.00	

... ...   Accounting or Finance Elective (3 credits)
... ...   Choose One

Course	Title	SEM HRS	
ACG2021	Principles of Financial Accounting	3.00	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	

... ...   2nd SEMESTER

Course	Title	SEM HRS
MAR2011	Principles of Global Marketing	3.00
SBM2000	Small Business Management	3.00

... ...   Business Elective - Choose one:

		SEM HRS	
BUL2241	Business Law I	3.00	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101
GEB2351	International Business	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
MAN2021	Principles of Management	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	
QMB1001	Business Math	3.00	
TOTAL	...	18.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

CREDITS EARNED IN THIS CERTIFICATE MAY BE APPLIED TOWARD CERTIFICATE 0916 - BUSINESS MANAGEMENT, 2059 - AS DEGREE IN BUSINESS ADMINISTRATION, AND 2221 AS DEGREE IN INDUSTRIAL MANAGEMENT TECHNOLOGY.

2015-2016 College Catalog. To view previous catalogs, please click here.

Cable Installation

┌─ 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. This program incorporates innovative teaching methods, uses the latest technology, thus encouraging student success.

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. Program courses transfer directly into other Associate of Science programs.

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. Evaluate proficiency in network communications.
4. Analyze proficiency of telephony communication systems.
5. 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: $59 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $96
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

┌─ 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.

Program Length: The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 87%.

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:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=173029&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	
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Computer Engineering Technology

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. This program incorporates innovative teaching methods, uses the latest technology, thus encouraging student success.

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. After completion, students may seek career jobs or transition into baccalaureate programs.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: Microcomputer Repairer/Installer - 0907 ; Cable Installation - 0921. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course 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).

General Education Courses

Course	Title	SEM HRS	
... ...	General Education Core - 18 Credits		
... ...	Communication Core (9 credits)		
ENC1101	Introduction to Composition	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		

		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Social Sciences Core (3 credits)		
... ...	Choose One Course		

		SEM HRS	
PSY1012	General Psychology	3.00	
DEP2004	Developmental Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ...	Humanities Core (3 credits)		
... ...	Choose One Course		

		SEM HRS	
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-Reqs: ENC1101
AML2600	Introduction to African American Literature	3.00	Pre-Reqs: ENC1101
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	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
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
MUL2380	Popular Music in America	3.00	Co-Reqs: ENC1101
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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
CET2154	A+ Computer Repair	4.00	
CET1600	Network Plus	3.00	
CET2949	Cooperative Education Experience in Computer Engineering Technology	1.00	
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

Course	Title	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
... ...	Computer Engineering Technology Electives (12 hrs)		

		SEM HRS	
... ...	Elective	3.00	
... ...	Elective	3.00	
... ...	Elective	3.00	
... ...	Electives (12 hrs)-Choose From:		
CAP1801	Simulation Fundamentals	3.00	
CAP2023	Introduction to Game Programming	3.00	Pre-Reqs: COP1000
ETM2315	Simulation Power and Control	2.00	Pre-Reqs: COP1000 AND EET1021 Conc-Reqs: ETM2315L
ETM2315L	Simulation Power and Control Lab	1.00	Conc-Reqs: ETM2315
CTS2306	Microsoft Windows Professional	3.00	
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
CET2660	Fundamentals of Network Security	3.00	Pre-Reqs: CET1600
CET2850	Wireless and Mobile Security	3.00	Pre-Reqs: CET1600
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2100	Microcomputer Applications	3.00	
CTS2328	Managing and Maintaining a Windows Network Environment	3.00	
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3.00	
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600

Sample Program of Study

Course	Title		
... ...	First Year		
... ...	1st Semester		

		SEM HRS	
ENC1101	Introduction to Composition	3.00	
COP1000	Principles of Computer Programming	3.00	
... ...	Mathematics Core	3.00	
CET2154	A+ Computer Repair	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

		SEM HRS	
... ...	2nd Semester		
ENC1102	Writing with Research	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
EGS1000	Professional Performance for Technicians	3.00	
CET1600	Network Plus	3.00	
... ...	Summer Semester		

			SEM HRS	
... ...	Humanities Core		3.00	
... ...	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
EET1607	Electronics Assembly and Cabling	2.00	Conc-Reqs: EET1607L
EET1607L	Electronics Assembly and Cabling Lab	1.00	Conc-Reqs: EET1607
CET2949	Cooperative Education Experience in Computer Engineering Technology	1.00	
... ...	Elective	3.00	
... ...	Elective	3.00	
TOTAL	...	68.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

─ Notes ─

1.Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Computer Information Technology

─ Program Information ─────────────────────────────

A.S. Degree - Code 2067 - Catalog 2015/2016
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

08/26/2015 M - 2170

─ 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. The program incorporates innovative teaching methods, uses the latest technology, thus encouraging student success. After completion, students may seek career jobs or transition into baccalaureate programs

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.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: Information Technology Analysis - 0903 ; Information Technology Support Specialist - 0905. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

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.

─ General Education Courses ──────────────────────────

Course	Title	SEM HRS	
... ...	General Education Core - 15 Credits		
... ...	Communication Core (6 Credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608		3.00	Pre-Reqs: ENC1101

Oral Communications/Research/Presentation
Skills

... ...   Mathematics Core (3 Credits)

		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105*2*	College Algebra	3.00	Pre-Reqs: MAT1033

... ...   Social Sciences Core (3 Credits)
... ...   CHOOSE ONE COURSE

		SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ...   Humanities Core (3 Credits)
... ...   CHOOSE ONE COURSE

		SEM HRS	
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-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
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	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
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	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
DIG1109	Digital Imaging Fundamentals	3.00	
CET2154	A+ Computer Repair	4.00	
CET1600	Network Plus	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
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2100	Microcomputer Applications	3.00	
COP1000	Principles of Computer Programming	3.00	

CTS2214	Project Management w/Microsoft Project	3.00	Pre-Reqs: CGS2100
COP2949	Cooperative Educational Experience in Computer Programming	2.00	
EGS1000	Professional Performance for Technicians	3.00	
CTS2306	Microsoft Windows Professional	3.00	
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
... ...	Elective	3.00	
... ...	Elective	3.00	
... ...	Elective	3.00	
... ...	Computer Programming Elective		
... ...	Choose Nine (9) Hours		

		SEM HRS	
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	Pre-Reqs: CGS2100
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*I*	Linux Fundamentals	3.00	
CTS2328*I*	Managing and Maintaining a Windows Network Environment	3.00	
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
CEN2002	Software Design and Development I	3.00	Pre-Reqs: COP2220 OR COP2001 OR COP2700 AND COP2800
DIG2100	Web Design I	3.00	Pre-Reqs: CTS1851 OR DIG1109

Sample Program of Study

Course	Title		
... ...	First Year		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
COP1000	Principles of Computer Programming	3.00	
CGS2100	Microcomputer Applications	3.00	
DIG1109	Digital Imaging Fundamentals	3.00	
CET2154	A+ Computer Repair	4.00	
... ...	2nd Semester		
		SEM HRS	
... ...	Mathematics Core	3.00	
... ...	Humanities Core	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
CET1600	Network Plus	3.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
... ...	Summer Semester		
		SEM HRS	
EGS1000	Professional Performance for Technicians	3.00	

			SEM HRS	
... ...	Second Year			
... ...	1st Semester			
			SEM HRS	
CTS2214	Project Management w/Microsoft Project		3.00	Pre-Reqs: CGS2100
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
CTS2306	Microsoft Windows Professional		3.00	
... ...	Social Sciences Core		3.00	
... ...	2nd Semester			
			SEM HRS	
... ...	Elective		3.00	
... ...	Elective		3.00	
COP2949	Cooperative Educational Experience in Computer Programming		2.00	
... ...	Elective		3.00	
TOTAL	...		60.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

- Notes -

1. Students choosing one or two three (3) hour courses or one three (3) hour and one 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.

2.Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Computer Programming

Program Information

A.S. Certificate - Code 0938 - Catalog 2015/2016
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

08/20/2015 M - 2117

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. The program incorporates innovative teaching methods, uses latest technology and industry relevant coding languages, thus encouraging student success.

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. Program courses transfer directly into Associate of Science in Computer Programming and Analysis and other Associate degree programs.

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. Use and evaluate multiple integrated development environment and programming languages.
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: $163 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $30
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

- 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.

Program Length: The typical length of this program is four (4) semesters (36 weeks) for a full-time student, with 23% graduating within 4 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 75%.

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:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151021&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	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
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	
COP2360	C# Programming	3.00	Pre-Reqs: COP1000
COP2800	Computer Programming "Java"	3.00	Pre-Reqs: COP1000
COP2949	Cooperative Educational Experience in Computer Programming	2.00	
EGS1000	Professional Performance for Technicians	3.00	
CEN2002	Software Design and Development I	3.00	Pre-Reqs: COP2220 OR COP2001 OR COP2700 AND COP2800
CET2154	A+ Computer Repair	4.00	
... ...	Computer Elective	3.00	

Course	Title	SEM HRS	
... ...	Computer Elective - Choose From:		
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 AND CGS2820
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	SEM HRS	
... ...	1st Semester		
COP1000	Principles of Computer Programming	3.00	
EGS1000	Professional Performance for Technicians	3.00	
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	3.00	
CET2154	A+ Computer Repair	4.00	

	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
COP2700	Introduction to Database Management OR		
COP2360	C# Programming	3.00	Pre-Reqs: COP1000

	3rd Semester		
		SEM HRS	
COP2949	Cooperative Educational Experience in Computer Programming	2.00	
CEN2002	Software Design and Development I	3.00	Pre-Reqs: COP2220 OR COP2001 OR COP2700 AND COP2800

TOTAL	...	33.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Computer Programming and Analysis (Software Engineering Technology)

Computer Programming and Analysis (Software Engineering Technology)

---Program Information---

A.S. Degree - Code 2047 - Catalog 2015/2016
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

08/26/2015 M - 2171

---Program Mission, Description, and Outcomes---

Mission:
The program prepares students to analyze business situations, to design, develop and write computer programs using industry-relevant computer languages, and to test, monitor, debug, and document solutions. Student success is encouraged by using innovative teaching methods. After completion, students may seek career jobs or transition into baccalaureate programs.

Description:
The program provides a solid foundation in computer programming. Students develop analytical skills in designing, developing, writing and maintaining computer programs in a variety of industry relevant coding languages. Students also learn the use of the latest technologies and multiple integrated development platforms in the program.

AS Certificate That Leads To This Degree:
The following AS Certificate is embedded within this degree: Computer Programming - 0938. You may pursue the AS degree and also earn the AS certificate while completing the requirements for the degree, or pursue the AS certificate to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

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.

---General Education Courses---

Course	Title		
... ...	General Education Core - 15 Credits		
... ...	Communication Core (6 credits)		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 Credits)		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105*2	College Algebra	3.00	Pre-Reqs: MAT1033

... ...   Social Sciences Core (3 credits)
... ...   Choose One Course

Course	Title	SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ...   Humanities 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	Pre-Reqs: ENC1101
AML2600	Introduction to African American Literature	3.00	Pre-Reqs: ENC1101
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	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
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	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
CET2154	A+ Computer Repair	4.00	
COP2360	C# Programming	3.00	Pre-Reqs: COP1000
CET1600	Network Plus	3.00	
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
COP2800	Computer Programming "Java"	3.00	Pre-Reqs: COP1000
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
COP2700	Introduction to Database Management	3.00	
COP2949	Cooperative Educational Experience in Computer Programming	2.00	
EGS1000	Professional Performance for Technicians	3.00	
COP2842	Web Scripting (PHP)	3.00	Pre-Reqs: COP1000 AND CTS1851
CEN2002	Software Design and Development I	3.00	Pre-Reqs: COP2220 OR COP2001 OR COP2700 AND COP2800

... ...   Computer Elective (9) hours

SEM
HRS

... ...	Computer Elective	3.00	
... ...	Computer Elective	3.00	
... ...	Computer Elective	3.00	

... ...   Computer Elective (9 hrs)-Choose From:

Course	Title	SEM HRS	
CTS2403	Advanced Visual Basic Programming	3.00	Pre-Reqs: COP2010
CTS2321/	Linux Fundamentals	3.00	
CTS2141	Advanced C++ and Direct X Programming	3.00	Pre-Reqs: COP2001
CTS2214	Project Management w/Microsoft Project	3.00	Pre-Reqs: CGS2100
CET2660/	Fundamentals of Network Security	3.00	Pre-Reqs: CET1600
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 AND CGS2820
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	
CTS2431	Data Organization and Management	2.00	Co-Reqs: COP1000 Conc-Reqs: CTS2431L
CTS2431L	Data Organization and Management Lab	1.00	Conc-Reqs: CTS2431

— Sample Program of Study —

Course	Title		
... ...	First Year		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core	3.00	
CET2154	A+ Computer Repair	4.00	
EGS1000	Professional Performance for Technicians	3.00	
COP1000	Principles of Computer Programming	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
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
COP2700	Introduction to Database Management	3.00	
CET1600	Network Plus	3.00	
COP2360	C# Programming	3.00	Pre-Reqs: COP1000
... ...	Summer Semester		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Humanities Core	3.00	
... ...	Second Year		
... ...	1st Semester		
		SEM HRS	

... ...	Computer Elective	3.00	
COP2800	Computer Programming "Java"	3.00	Pre-Reqs: COP1000
... ...	Social Sciences Core	3.00	
COP2842	Web Scripting (PHP)	3.00	Pre-Reqs: COP1000 AND CTS1851
... ...	2nd Semester		
		SEM HRS	
... ...	Computer Elective	3.00	
... ...	Computer Elective	3.00	
CEN2002	Software Design and Development I	3.00	Pre-Reqs: COP2220 OR COP2001 OR COP2700 AND COP2800
COP2949	Cooperative Educational Experience in Computer Programming	2.00	
TOTAL	...	60.00	

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.

2. Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Correctional Officer Recruit Training (Limited Access Program)

Correctional Officer Recruit Training (Limited Access Program)

Program Information

Vocational Certificate - Code 1150/1050 - Catalog 2015/2016
Sheila Ellison, Assistant Chair, 386-506-4113, ellisos@daytonastate.edu
Louie Mercer, Director, 386-506-4201, mercerlo@daytonastate.edu

08/20/2015 M - 2099

Program Mission, Description, and Outcomes

Mission:
The mission of the Basic Corrections Officer Recruit Program is to provide quality job training for students in this discipline, emphasizing student success, embracing excellence and diversity, and fostering innovation to enhance teaching and learning.

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. Meet attendance standards as mandated by the Florida Department of Law Enforcement.
2. Demonstrate accomplishment of competencies/skills as required by the Florida Department of Law Enforcement.
3. Demonstrate mastery of diadactic curriculum as required by the Florida Department of Law Enforcement.

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: $69 ($4.93 per credit)
Assessment Fee: $35 (First Semester Only)
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%.

- 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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Cosmetology

<table>
<tr><td colspan="2">Cosmetology</td></tr>
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Program Mission, Description, and Outcomes

Mission:
The mission of the cosmetology program is to prepare students for a career in the field of hair, skin and nails through the fundamental concepts and techniques. We encourage our students to develop their creative potential to be successful in their chosen field.

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. Master and complete all skills required by the State Board of Cosmetology.
2. Demonstrate in a classroom setting, the theory and skill based training for safe and efficient work practices based on OSHA and the Department of Business and Professional Regulations.
3. Master all skills in hair, skin and nails.
4. Apply critical thinking skills to solve problems that may arise in the cosmetology industry.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,357*
Access Fee: $197 ($4.93 per credit)
Assessment Fee: $35
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 (40 weeks) for a full-time student, with 94% graduating

within 1 year/3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 52%.

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: COS0080L AND COS0081L AND COS0083L AND COS0082L

Sample Program of Study

Course	Title	VOC HRS	

... ... 1st Semester

Course	Title	VOC HRS	
COS0080L	Cosmetology I Lab	8.00	
COS0081L	Cosmetology II Lab	8.00	Pre-Reqs: COS0080L

... ... 2nd Semester

Course	Title	VOC HRS	
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

Course	Title	VOC HRS	
COS0084L	Cosmetology V Lab	8.00	Pre-Reqs: COS0080L AND COS0081L AND COS0083L AND COS0082L

TOTAL	VOC. HRS.	40.00
TOTAL	CONTACT HRS.	1200.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Criminal Justice Technology Bridge (Limited Access Program)	

Program Information

A.S. Degree - Code 2039 - Catalog 2015/2016
Kevin Duffy, Assistant Chair, 386-506-4148, DuffyK@DaytonaState.edu
Louie Mercer, Director, 386-506-4201, mercerlo@daytonastate.edu

04/23/2015 M - 2023

Program Mission, Description, and Outcomes

Mission:
The Mission of the Criminal Justice Technology Bridge program is to equip students to pursue advanced study and meaningful rewarding careers in the various fields of criminal justice, emphasizing student success and embracing excellence and diversity.

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 successful employment in a criminal justice agency and/or promotion within their existing agency.
2. Identify the roles, duties and responsibilties of each type of criminal justice agency including law enforcement, the courts and corrections.
3. Respond to the problems and demands placed upon communities that are experiencing high crime rates, violence, and related social problems.
4. Exhibit competence in both written and oral communication both within the agency, the court system and the citizens in the community to build effective community partnerships that includes business and educational organizations.

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 - 15 Credits		
... ...	Communication Core (6 Credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 Credits)		
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MGF2107	Mathematics for Liberal Arts OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Social Sciences Core (3 Credits)		

PSY1012	General Psychology OR		
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ...   Humanities Core (3 Credits)

... ...   Choose One Course

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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

... ...   Criminal Justice Electives (Choose 2)

		SEM HRS
CCJ1080	Introduction to Criminal Forensic Studies	3.00
CCJ2647	Organized Crime	3.00
CCJ2650	Drugs, Alcohol and Crime	3.00
CCJ2930	Selected Topics in Criminal Justice	3.00
CJE1670	Crime Scene Investigation	3.00
CJE2304	Introduction to Police Supervision	3.00
CJL2072	Civil Rights and Liability in Criminal Justice	3.00
CJT2100	Criminal 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	Introduction to Composition	3.00	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MGF2107	Mathematics for Liberal Arts OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L

MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
CCJ1010	Introduction to Criminology	3.00	
CJC1000	Introduction to Corrections	3.00	

... ...	2nd Semester		
		SEM HRS	
... ...	Humanities Core	3.00	
... ...	Criminal Justice Elective	3.00	
CCJ1020	Introduction to Criminal Justice	3.00	

... ...	3rd Semester		
		SEM HRS	
PSY1012	General Psychology OR		
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101
... ...	Criminal Justice Elective	3.00	
CJJ2002	Juvenile Delinquency	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

TOTAL	...	60.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Culinary Arts

Culinary Arts

Program Information

A.S. Certificate - Code 0819 - Catalog 2015/2016
Costa Magoulas, Dean, 386-506-3578, magoulc@daytonastate.edu
Lisa Allen, Administrative Specialist, 386-506-3946, allenl@DaytonaState.edu

08/20/2015 M - 2118

Program Mission, Description, and Outcomes

Mission:
The Culinary Arts Certificate 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. The curriculum is designed to give the student a solid foundation of cooking skills. Students also are taught basic sanitation and safety and are Serv Safe Certified before program completion. The program provides technical skill proficiency and includes competency-based applied learning that contributes to greater academic knowledge, including higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills related to all aspects of the Hospitality and Tourism Industry.

Credits earned in this certificate program may be applied toward the AS Degree in Culinary Management - 2226.

Outcomes:
Graduates of the Program will be able to:
1. Identify organization and functions of the culinary industry.
2. Demonstrate skills in food service and beverage sanitation and safety and management services.
3. Recognize, identify and demonstrate usage of foods.
4. Demonstrate proficiency in employability skills.
5. Demonstrate the application of mathematics commonly used in the culinary industry.
6. Analyze recipe costs and portion sizes.
7. Identify the organization and functions of the culinary industry.
8. Demonstrate equipment operation and maintenance skills.
9. Analyze labor, fire and liquor laws that affect the culinary industry.
10. Plan and maintain purchasing and receiving procedures.
11. Demonstrate skill in preparing foods for cooking.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3657*
Access Fee: $172 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $1250 (lab fees are charged for each Food Production course @ $150)
Uniforms: $150
Professional Cutlery: $260
Textbook Estimate: $1000

*In-state tuition only; out-of-state tuition will be higher.

Careers

Restaurant Cook, First Line Supervisor. Work in the hospitality industry in restaurants, hotels, country clubs, resorts, industrial kitchens.

The following information is required by federal regulations to be provided to studends for all vocational and certificate programs. Additional information on the 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 (36 weeks) for a full-time student. This is a new program and no information is currently available on graduation and placement rates.

For addtional career information, please see: http://www.onetonline.org/link/summary/35-1011.00

For additional information on wages, trends and career videos: http://www.careerinfonet.org/occ_rep.asp?
nodeid=2&optstatus=000110111&next=occ_rep&jobfam=35&soccode=351011&stfips=&level=&id=1&ES=Y&EST=Chefs

Program Specific Courses

Course	Title	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
FSS1202	Food Production I	2.00	Co-Reqs: FOS1201 Conc-Reqs: FSS1202L
FSS1202L	Food Production I Lab	1.00	Conc-Reqs: FSS1202
FSS1222	Food Production II	2.00	Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L
FSS1222L	Food Production II Lab	1.00	Conc-Reqs: FSS1222
FSS1270	Introduction to Craft Beer and Wine	3.00	
FSS2210	Food Production III	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS2210L
FSS2210L	Food Production III Lab	1.00	Conc-Reqs: FSS2210
FSS2284	Catering and Buffet Management	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS2284L
FSS2284L	Catering and Buffet Management Lab	1.00	Conc-Reqs: FSS2284
HFT1940	Hospitality Practicum I (Basic)	2.00	Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L
HFT1940L	Hospitality Practicum I Lab (Basic)	1.00	Conc-Reqs: HFT1940
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	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	
LIS2004	Introduction to Internet Research	1.00	
OST1141	Keyboarding	1.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	FALL SEMESTER		
FOS1201	Sanitation and Safety	3.00	
FSS1063	Baking	2.00	Pre-Reqs: FOS1201 Conc-Reqs: FSS1063L
FSS1063L	Baking Lab	1.00	Conc-Reqs: FSS1063
FSS1202	Food Production I	2.00	Co-Reqs: FOS1201 Conc-Reqs: FSS1202L
FSS1202L	Food Production I Lab	1.00	Conc-Reqs: FSS1202
FSS1222	Food Production II	2.00	Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L
FSS1222L	Food Production II Lab	1.00	Conc-Reqs: FSS1222
HUN1203	Culinary Nutrition	3.00	
... ...	SPRING SEMESTER		
FSS1270	Introduction to Craft Beer and Wine	3.00	
FSS2210	Food Production III	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS2210L
FSS2210L	Food Production III Lab	1.00	Conc-Reqs: FSS2210
FSS2284	Catering and Buffet Management	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS2284L
FSS2284L	Catering and Buffet Management Lab	1.00	Conc-Reqs: FSS2284
HFT1940	Hospitality Practicum I (Basic)	2.00	Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L
HFT1940L	Hospitality Practicum I Lab (Basic)	1.00	Conc-Reqs: HFT1940

| HFT1941 | Hospitality Practicum II (Intermediate) | 2.00 | Pre-Reqs: FSS1222 Conc-Reqs: HFT1941L |
| HFT1941L | Hospitality Practicum II Lab (Intermediate) | 1.00 | Conc-Reqs: HFT1941 |

... ...	SUMMER SEMESTER		
		SEM HRS	
HFT2942	Hospitality Practicum III (Advanced)	2.00	Pre-Reqs: FSS1222 Conc-Reqs: HFT2942L
HFT2942L	Hospitality Practicum III Lab (Advanced)	1.00	Conc-Reqs: HFT2942
LIS2004	Introduction to Internet Research	1.00	
OST1141	Keyboarding	1.00	

| TOTAL | ... | 35.00 | |

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

All Program Specific Courses Require a grade of "C" or better to meet graduation requirements.

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 are also taught sanitation and safety, basic nutrition, supervision of personnel, craft beer and wine pairing, and purchasing and cost controls. With this base, graduates will be successful in any environment that requires basic or advanced knowledge of food preparation and handling.

AS Certificate That Leads To This Degree:
The following AS Certificate is embedded within this degree: Culinary Arts - 0819 . You may pursue the AS degree and also earn the AS certificate while completing the requirements for the degree, or pursue the AS certificate to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

Graduates of this program are eligible to enroll in Daytona State's Bachelor of Applied Science in Supervision and Management Program. Call our admissions office, (386) 506-3059,or visit DaytonaState.edu/admissions.html for additional information.

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: $270

┌─ 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.

┌─ General Education Courses ───────────────────────────────────┐

Course	**Title**

General Education Core - 15 Credits

... ...   Communication Core (6 credits)

		SEM HRS	
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

... ...   Mathematics or Natural Sciences Core (3 credits)

... ...   Choose One Course

		SEM HRS	
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
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 MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033

... ...   Social Sciences Core (3 credits

... ...   Choose One Course

		SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ...   Humanities 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	Pre-Reqs: ENC1101
LIT2110	Masterpieces of World Literature I	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	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
FSS1202	Food Production I	2.00	Co-Reqs: FOS1201 Conc-Reqs: FSS1202L
FSS1202L	Food Production I Lab	1.00	Conc-Reqs: FSS1202
FSS1222	Food Production II	2.00	Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L
FSS1222L	Food Production II Lab	1.00	Conc-Reqs: FSS1222
FSS1240	Contemporary American Cuisine	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS1240L
FSS1240L	Contemporary American Cuisine Lab	1.00	Conc-Reqs: FSS1240

FSS1242	International Cuisine	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS1242L
FSS1242L	International Cuisine Lab	1.00	Conc-Reqs: FSS1242
FSS1270	Introduction to Craft Beer and Wine	3.00	
FSS2210	Food Production III	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS2210L
FSS2210L	Food Production III Lab	1.00	Conc-Reqs: FSS2210
FSS2284	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	
HFT1940	Hospitality Practicum I (Basic)	2.00	Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L
HFT1940L	Hospitality Practicum I Lab (Basic)	1.00	Conc-Reqs: HFT1940
HFT1941	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	Hospitality Purchasing and Controls	3.00	
HFT2942	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	Introduction to Composition	3.00
FOS1201	Sanitation and Safety	3.00
HFT1000	Introduction to Hospitality Industry	3.00
FSS1202	Food Production I	2.00	Co-Reqs: FOS1201 Conc-Reqs: FSS1202L
FSS1202L	Food Production I Lab	1.00	Conc-Reqs: FSS1202
FSS1222	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 or Natural Sciences Core	3.00	
FSS1063	Baking	2.00	Pre-Reqs: FOS1201 Conc-Reqs: FSS1063L
FSS1063L	Baking Lab	1.00	Conc-Reqs: FSS1063
HFT1940	Hospitality Practicum I (Basic)	1.00	Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L
HFT1940L	Hospitality Practicum I Lab (Basic)	2.00	Conc-Reqs: HFT1940

... ...	Summer Semester		
		SEM HRS	
HUN1203	Culinary Nutrition	3.00	
FSS2284	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	
... ...	Social Sciences Core	3.00	
FSS1240	Contemporary American Cuisine	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS1240L
FSS1240L	Contemporary American Cuisine Lab	1.00	Conc-Reqs: FSS1240
FSS1242	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	Hospitality Purchasing and Controls	3.00	
LIS2004	Introduction to Internet Research OR		
OST1141	Keyboarding	1.00	
... ...	2nd Semester		
		SEM HRS	
... ...	Humanities Core	3.00	
FSS2210	Food Production III	2.00	Pre-Reqs: FSS1222 Conc-Reqs: FSS2210L
FSS2210L	Food Production III Lab	1.00	Conc-Reqs: FSS2210
FSS1270	Introduction to Craft Beer and Wine	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	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. All Program Specific Courses require students to obtain a grade of "C" or better to meet graduation requirements.

Customer Service Representative

Program Mission, Description, and Outcomes

Mission:
The mission of the Customer Service Representative Program is for students to learn appropriate customer service skills to meet the needs of the business community. The program's philosophy is to promote a positive service culture whereby the customer service representative acts in a professional, ethical, and courteous manner, and uses the appropriate tools and communication skills to satisfy the customer.

Description:
The program prepares students for entry-level employment in customer service occupations. The content includes interpersonal skills, customer service and selling concepts, math, keyboarding, communication skills and employability skills.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate communication skills necessary for success in customer service.
2. Identify strategies for promoting a positive service culture.
3. Perform information gathering activities using appropriate business software.
4. Use technology to enhance service delivery capabilities.
5. Describe effective strategies for working with difficult customers.
6. Choose appropriate customer service skills for the specific line of business.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $839.20*
Access Fee: $49 ($4.93 per credit)
Assessment Fee: $35

*In-state tuition only; out-of-state tuition will be higher.

Note: The length of this program makes it ineligible for federal and state financial aid.

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.

Careers

Counter and Rental Clerks
Retail Sales Persons
Telephone Operators
Bill and Account Collectors
Customer Service and Patient Care Representatives
Eligibility Interviewers, Government Programs
Restaurant and Hotel Workers
Reservation and Transportation Ticket Agents and Travel Clerks
Insurance Policy Processing Clerks

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

MNA0084 Customer Service Representative   5.00

MNA0086 Customer Care Specialist   5.00   Pre-Reqs: MNA0084

Sample Program of Study

Course	Title	
		VOC HRS
MNA0084	Customer Service Representative	5.00
MNA0086	Customer Care Specialist	5.00 Pre-Reqs: MNA0084
TOTAL	VOC. HRS.	10.00
TOTAL	CONTACT HRS.	300.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

One Semester Program: This program will be taught with one course in the A portion of the semester and one course in the B portion of the semester.

2015-2016 College Catalog. To view previous catalogs, please click here.

Cybersecurity and Cyberforensics

Cybersecurity and Cyberforensics

Program Mission, Description, and Outcomes

Mission

The Advanced Technical Certificate in Cybersecurity and Cyberforensics program provides the student with an understanding of both technical and management aspects of computer and network security and forensics using exposition of theory, laws, and technical forensic and security tools and techniques. Students are exposed to hands-on projects where they are required to combine theory, legal issues, and technical knowledge to solve real-world problems. The program incorporates innovative, tested methods of instruction with hands-on lab work to encourage student learning and success.

Description

This program consists of 18 credits leading towards requirements for proficiency in protection and analysis of computer and network systems security and forensics. The program fulfills a critical need for IT professionals with expertise in cybersecurity and cyberforensics.

Objectives

Graduates of the program will be able to:
1. Conduct a password audit.
2. Design a password security policy.
3. Identify elements of security policy.
4. Design and implement a firewall based on security risk management and policies.
5. Design and implement an intrusion detection system based on security policies.
6. Use cryptography and cryptographic protocols.
7. Identify anomalous network packets.
8. Create and verify a forensic image.
9. Recover evidence in a forensically sound manner.
10. Validate forensic tools.
11. Identify and manage computer and network incidents.
12. Use cryptography and cryptographic protocols.
13. Identify the function and purpose of malware.
14. Conduct a static and dynamic analysis of malware.
15. Conduct a hash analysis for known files.
16. Identify evidence of a server intrusion.
.

Note: The length of this program makes it ineligible for federal and state financial aid.

Additional Admission Requirements

1. Applicants must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or previous Bachelor of Science (BS) with an overall grade point average of 2.5.

2. Applicants who have not earned an associate degree may be admitted to the program if they have earned at least 60 transferrable college level credits with a grade of "C" or better in all core courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval of the Chair.

3. Students may be required to take prerequisite courses to complete this certificate.

Careers

Associated Job Titles for this certificate include; Computer Security Specialist, Digital Forensics Examiner, Networks Security Analyst, Information Systems Security Engineer, Network/Security Architect, Incident Response Engineer,Computer Security Specialist,Computer Network Security Consultant, Forensics Engineer, Digital Forensics Analyst, Digital Forensics Lab Director.

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

CTS3348	Linux Administration	3.00	Pre-Reqs: COP2800 OR COP2001 OR COP2220 OR CTS2321
CIS4360	Applied Cybersecurity	3.00	Pre-Reqs: CTS3348 OR CTS2321 OR COP2800
CET4884	Security Methods and Practice	3.00	Pre-Reqs: CTS3348
CET4861	Advanced Digital Forensics	3.00	Pre-Reqs: CET4885
CET4862	Network Forensics and Incident Response	3.00	Pre-Reqs: CET4663
CET4860	Introduction to Digital Forensics	3.00	Pre-Reqs: CTS3348

TOTAL ... 18.00

Notes

Courses taken as part of this certificate can be applied to the Bachelor of Science Information Technology Degree - 6334

2015-2016 College Catalog. To view previous catalogs, please click here.

Dental Assisting (Limited Access Program)

Dental Assisting (Limited Access Program)

Program Mission, Description, and Outcomes

Mission:
The mission of the Dental Assisting Program is the development of professional, ethical, and competent members of the oral health team who provide quality, patient-centered care to diverse population groups in a variety of health care settings. The Dental Assisting Program is committed to excellence in teaching and learning, emphasizing student success.

Description:
This program teaches students to pass and receive dental instruments; obtain and analyze dental radiographic images; 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 earn the Expanded Functions Dental Assistant (E.F.D.A.) credential required by the state of Florida and are eligible to take the Dental Assisting National Board examination to obtain certification as a Certified Dental Assistant (CDA).

Program Accreditation: 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

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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, perform minor laboratory procedures, and provide oral health education.
2. Perform a variety of clinical supportive treatments.
3. Demonstrate basic business office procedures.
4. Obtain and analyze diagnostically acceptable digital radiographic images on a variety of patients while executing radiation safety measures.
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: $4,247*
Access Fee: $232 ($4.93 per credit)
Assessment Fee: $35
Lab Fees (including liability insurance): $250
Textbooks: $723
Uniforms and Lab Supplies: $529
American Dental Assistants Association Student Membership: $45
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. Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing. Contact an Academic Advisor for assistance.

- 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 Fall B and Spring B sessions only) and SLS 1122 Managing Your 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 Science application for continuing enrollment to the Academic Advisor in the College of Health 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 prerequisite, 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.

-ENC 1101 Introduction to Composition may be substituted for OST 1330 Business English. PSY 1012 General Psychology may be substituted for 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.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student, with 79% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 93%.

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
... ...	Communication Core (3 credits)

SPC2608 Oral Communications/Research/Presentation Skills   3.00   Pre-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
OST1330	Business English	3.00	
SLS1122	Managing Your Success	3.00	
INP1390	Human Relations in the Workplace	3.00	
		VOC HRS	
DEA0000	Introduction to Dental Assisting	1.00	
DEA0020	Chairside Assisting I	1.50	Co-Reqs: DES0103 AND DES0103L Pre-Reqs: DEA0000 Conc-Reqs: DEA0020L
DEA0020L	Chairside Assisting I Lab	2.00	Conc-Reqs: DEA0020
DEA0130	Biomedical Science	2.00	Co-Reqs: DEA0801 Pre-Reqs: DEA0000 AND DES0002
DEA0801	Chairside Assisting II	1.50	Pre-Reqs: DEA0020 AND DEA0020L Conc-Reqs: DEA0801L
DEA0801L	Chairside Assisting II Lab	2.00	Pre-Reqs: DEA0020 AND DEA0020L Conc-Reqs: DEA0801
DEA0850L	Externship I	8.00	Pre-Reqs: DEA0020 AND DEA0020L AND DES0205L AND DES0205
DEA0851L	Externship II	8.00	Pre-Reqs: DEA0801 AND DEA0801L AND DEA0850L
DES0002	Dental Anatomy and Physiology	1.00	Pre-Reqs: DEA0000
DES0103	Dental Materials and Laboratory Procedures	2.00	Co-Reqs: DEA0020 AND DEA0020L Pre-Reqs: DES0002 Conc-Reqs: DES0103L
DES0103L	Dental Materials and Laboratory Procedures Lab	1.00	Conc-Reqs: DES0103
DES0205	Dental Radiology	2.00	Co-Reqs: DEA0020 AND DEA0020L Pre-Reqs: DES0002 Conc-Reqs: DES0205L
DES0205L	Dental Radiology Lab	1.00	Conc-Reqs: DES0205
DES0501	Practice Management	1.00	Pre-Reqs: DEA0000 AND DEA0020 AND DEA0020L
DES0844	Preventive Dentistry and Nutrition	1.00	Pre-Reqs: DEA0020 AND DEA0020L AND DES0002

Sample Program of Study

Course	Title	SEM HRS	
... ...	PREREQUISITE COURSES		
		SEM HRS	
SLS1122	Managing Your Success	3.00	
		VOC HRS	
DEA0000	Introduction to Dental Assisting	1.00	
... ...	SUMMER SEMESTER (Term B - Six Weeks)		
		VOC HRS	
DES0002	Dental Anatomy and Physiology	1.00	Pre-Reqs: DEA0000
... ...	FALL SEMESTER		
		SEM HRS	
OST1330	Business English	3.00	
INP1390	Human Relations in the Workplace	3.00	

		VOC HRS	
DEA0020	Chairside Assisting I	1.50	Co-Reqs: DES0103 AND DES0103L Pre-Reqs: DEA0000 Conc-Reqs: DEA0020L
DEA0020L	Chairside Assisting I Lab	2.00	Conc-Reqs: DEA0020
DES0103	Dental Materials and Laboratory Procedures	2.00	Co-Reqs: DEA0020 AND DEA0020L Pre-Reqs: DES0002 Conc-Reqs: DES0103L
DES0103L	Dental Materials and Laboratory Procedures Lab	1.00	Conc-Reqs: DES0103
DES0205	Dental Radiology	2.00	Co-Reqs: DEA0020 AND DEA0020L Pre-Reqs: DES0002 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: DEA0020 AND DEA0020L Conc-Reqs: DEA0801L
DEA0801L	Chairside Assisting II Lab	2.00	Pre-Reqs: DEA0020 AND DEA0020L Conc-Reqs: DEA0801
DEA0850L	Externship I	8.00	Pre-Reqs: DEA0020 AND DEA0020L AND DES0205L AND DES0205
DES0501	Practice Management	1.00	Pre-Reqs: DEA0000 AND DEA0020 AND DEA0020L
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: DEA0801 AND DEA0801L AND DEA0850L
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Dental Hygiene (Limited Access Program)

Dental Hygiene (Limited Access Program)

Program Mission, Description, and Outcomes

Mission:
The mission of the Dental Hygiene Program is the development of professional, ethical, and competent members of the oral health team who provide quality, patient-centered care to diverse population groups in a variety of health care settings. The Dental Hygiene Program is committed to excellence in teaching and learning, emphasizing student success.

Description:
Students are taught to remove deposits from tooth surfaces; provide methods of oral physiotherapy; obtain and analyze dental digital radiographic images; 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 preventive, therapeutic, and educational services. 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.

Program Accreditation: 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

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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: $9,508*
Access Fee: $434 ($4.93 per credit)
Assessment Fee: $35
Lab Fees (including liability insurance): $938
Textbooks: $2,338
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: $425
National Board Dental Hygiene Examination: $410
Class Pin and Composite Picture: $120
Florida Dental Hygiene Licensure Board Examination: $1,500
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 Introduction to Composition; MGF 2106 Survey in Mathematics (MAC 1105 College Algebra or STA 2023 Elementary Statistics also accepted); 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 two-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. Transfer of credit for this course will be at the discretion of the Chairperson.

- Submit completed School of Dental Science application for continuing enrollment to the Academic Advisor in the College of Health and Public Services between February 1st and February 28th.

- Students are approved for continuing enrollment based on specific admission criteria.

- 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 prerequisite, 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	SEM HRS	
... ...	General Education Core - 33 Credits		
... ...	Communication Core (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
... ...	Natural Sciences Core (15 credits)		
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086
CHM1025	Introduction to Chemistry	3.00	

			Co-Reqs: 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
HUN1201	Human Nutrition	3.00	

... ...	Social Sciences Core (6 credits)		
		SEM HRS	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ...	Humanities Core (3 credits)		
... ...	Choose One Course		
		SEM HRS	
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-Reqs: ENC1101
AML2600	Introduction to African American Literature	3.00	Pre-Reqs: ENC1101
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
ARH2050	Survey of Art History I	3.00	Co-Reqs: ENC1101
ARH2051	Survey of Art History II	3.00	Co-Reqs: ENC1101
DAN1100	Dance Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
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
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
PHI2010	Introduction of Philosophy	3.00	
REL2300	World Religion	3.00	Pre-Reqs: ENC1101
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

... ...	Additional Required Course - 4 Credits		
		SEM HRS	
MCB1010	Microbiology	3.00	Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L
MCB1010L	Microbiology Lab	1.00	Conc-Reqs: MCB1010

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

┌─ 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: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086
Conc-Reqs: DEH1002

DEH1133	Orofacial Anatomy and Physiology	3.00	Pre-Reqs: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086
DEH1602l	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: DEH1800 AND DEH1800L
DEH2300	Pharmacology	2.00	Pre-Reqs: BSC1086 AND BSC1086L AND CHM1025L AND CHM1025
DEH2400	General and Oral Pathology	2.00	Pre-Reqs: BSC1086 AND BSC1086L AND DEH1602
DEH2702	Community Dental Health	2.00	Pre-Reqs: DEH1602 AND DEH2804 Conc-Reqs: DEH2702L
DEH2702L	Community Dental Health Lab	1.00	Pre-Reqs: DEH1602 AND DEH2804 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: DEH1802 AND DEH1802L
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: CHM1025 AND DES1832L AND CHM1025L Conc-Reqs: DES1100L
DES1100L	Elements of Dental Materials Lab	1.00	Pre-Reqs: DES1832L 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: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086
DES2600	Medical and Dental Emergencies	2.00	Pre-Reqs: BSC1086 AND BSC1086L AND DEH1802

Sample Program of Study

Course	Title		
... ...	PREREQUISITE COURSES		
		SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086
CHM1025	Introduction to Chemistry	3.00	Co-Reqs: 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	Introduction to Composition	3.00	
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
... ...	FIRST YEAR: SUMMER SEMESTER (Term B - Six Weeks)		

DEH1133	Orofacial Anatomy and Physiology	3.00	Pre-Reqs: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086

... ...	FIRST YEAR: FALL SEMESTER		
		SEM HRS	
MCB1010	Microbiology	3.00	Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L
MCB1010L	Microbiology Lab	1.00	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: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086 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: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086

... ...	FIRST YEAR: SPRING SEMESTER		
		SEM HRS	
HUN1201	Human Nutrition	3.00	
DEH1602I	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: DEH1800 AND DEH1800L
DES1100	Elements of Dental Materials	2.00	Pre-Reqs: CHM1025 AND DES1832L AND CHM1025L Conc-Reqs: DES1100L
DES1100L	Elements of Dental Materials Lab	1.00	Pre-Reqs: DES1832L 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	Co-Reqs: ENC1101
DEH2300	Pharmacology	2.00	Pre-Reqs: BSC1086 AND BSC1086L AND CHM1025L AND CHM1025
DEH2400	General and Oral Pathology	2.00	Pre-Reqs: BSC1086 AND BSC1086L AND DEH1602

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: DEH1802 AND DEH1802L
DES2600	Medical and Dental Emergencies	2.00	Pre-Reqs: BSC1086 AND BSC1086L AND DEH1802

... ...	SECOND YEAR: SPRING SEMESTER		
		SEM HRS	
PSY1012	General Psychology	3.00	
... ...2	Humanities Core		
DEH2702	Community Dental Health	2.00	Pre-Reqs: DEH1602 AND DEH2804 Conc-Reqs: DEH2702L
DEH2702L	Community Dental Health Lab	1.00	Pre-Reqs: DEH1602 AND DEH2804 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.

Notes

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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Drafting and Design Technology

─ Program Mission, Description, and Outcomes ─

Mission:
The mission of the Drafting and Design Technology program is to provide the knowledge and skills necessary to secure entry-level employment as a drafter in any application. The program, which uses the latest technology and innovative teaching methods, also transitions into Associate of Science and baccalaureate programs.

Description:
The program provides entry-level skills in Drafting and Design Technology for engineering, manufacturing, architecture and related disciplines. Instruction covers the various aspects of engineering and architectural drawings with specific instruction in 2D and 3D computer aided drafting. Solid modeling is emphasized to provide a variety of modes for communicating designs. With the inclusion of general education courses, this certificate can be directly applied toward the Associate of Science degree in Drafting and Design Technology.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge and skills to produce orthographic drawings which comply with the standards of various industry organizations.
2. Identify and use different tools, equipment, materials and products commonly used to produce design media.
3. Demonstrate proficiency in industry-related computer applications by earning software certification.
4. Plan and initiate design projects to provide solutions to needs and problems.
5. Create presentations to communicate designs using rendering, animating, prototyping, and printing.
6. Evaluate existing models, solutions, and conditions as influences on final designs.

Note: This program is eligible for federal financial aid and state bright futures.

─ Approximate Additional Costs ─

Program Tuition and Fees: $2,508*
Access Fee: $118 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $90 or $105 (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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.
- 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.

Program Length: The typical length of this program is four (4) semesters (30 weeks) for a full-time student, with 100% graduating within 4 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field: no data available at this time.

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
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
BCN1253	Architectural Drawing II	2.00	Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L
BCN1253L	Architectural Drawing II Lab	1.00	Conc-Reqs: BCN1253

Course	Title	SEM HRS	
... ...	Elective (3 hrs) Choose one from list		
IND2608	Sustainable Design	3.00	
ETC2245	Construction Methods	3.00	
IND1211	History of Architecture and Interiors I	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	SEM HRS	
... ...	1st Semester		
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		
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

| BCN1253 | Architectural Drawing II | 2.00 | Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L |
| BCN1253L | Architectural Drawing II Lab | 1.00 | Conc-Reqs: BCN1253 |

... ...	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
... ...	ELECTIVE	3.00	
TOTAL	...	24.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Drafting and Design Technology (CAD)

Drafting and Design Technology (CAD)

Program Mission, Description, and Outcomes

Mission:
The mission of the Drafting and Design Technology program is to provide the knowledge and skills necessary to secure entry-level employment as a designer and drafter in any application. The program, which uses the latest technology and innovative teaching methods, also transitions into baccalaureate programs.

Description:
The program provides entry-level skills in Drafting and Design Technology for engineering, manufacturing, architecture and related disciplines. Instruction covers the various aspects of engineering and architectural drawings with specific instruction in 2D and 3D computer aided drafting. Solid modeling is emphasized to provide a variety of modes for communicating designs.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: AutoCAD Foundations (Architectural) - 0927 ; AutoCAD Foundations (Engineering) - 0928 ; Drafting and Design Technology - 0929. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

Outcomes:
Graduates of the program will be able to:
1. Apply the knowledge, techniques, skills, and modern tools in drafting & design technology practice to emerging applications of mathematics, science, and engineering technology by using design software to structure solutions to respond to needs and solve characteristic, discipline-based problems.
2. Illustrate core concepts of the drafting and design 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. 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.
7. Translate ideas, sketches and specifications into industry standard assembly drawings using 2d and 3d CAD.
8. Justify the influence of contemporary challenges such as sustainable design principles, energy efficiency, and geographical factors on solutions and develop a lifelong commitment to quality, timeliness, and continuous improvement.
9. Assess professional and ethical responsibilities, and the impact of engineering solutions in a global, societal, and environmental context.

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		
... ...	Communication Core (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		
MGF2106	Survey in Mathematics OR		

			Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra OR		Pre-Reqs: MAT1033
STA2023	Elementary Statistics	3.00	Pre-Reqs: MAC1105 OR MGF2106

| ... ... | Social Sciences Core (3 credits) | | |
| ... ... | Choose One Course | | |

		SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

| ... ... | Humanities Core (3 credits) | | |
| ... ... | Choose One Course | | |

		SEM HRS	
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-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
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	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
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	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title		
		SEM HRS	
DIG1109	Digital Imaging Fundamentals	3.00	
BCN1251	Architectural Drawing I	2.00	Conc-Reqs: BCN1251L
BCN1251L	Architectural Drawing I Lab	1.00	Conc-Reqs: BCN1251
EGN1111	Engineering Drawing	2.00	Conc-Reqs: EGN1111L
EGN1111L	Engineering Drawing Lab	1.00	Conc-Reqs: EGN1111
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
BCN1253	Architectural Drawing II	2.00	Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L

BCN1253L	Architectural Drawing II Lab	1.00	Conc-Reqs: BCN1253
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

| ... ... | Program Elective (6 credits) | | |
| ... ... | Choose Two Course | | |

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
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	
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
CGS2100	Microcomputer Applications	3.00	
ETD2377	3D Computer Animation (3D Studio)	2.00	Conc-Reqs: ETD2377L
ETD2377L	3D Computer Animation (3D Studio) Lab	1.00	Conc-Reqs: ETD2377

Sample Program of Study

Course	Title		
... ...	First Year		
... ...	1st Semester		

SEM HRS

ENC1101	Introduction to Composition	3.00	
DIG1109	Digital Imaging Fundamentals	3.00	
BCN1251	Architectural Drawing I	2.00	Conc-Reqs: BCN1251L
BCN1251L	Architectural Drawing I Lab	1.00	Conc-Reqs: BCN1251
EGN1111	Engineering Drawing	2.00	Conc-Reqs: EGN1111L
EGN1111L	Engineering Drawing Lab	1.00	Conc-Reqs: EGN1111
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	
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	

			SEM HRS	
... ...	Summer Semester			
			SEM HRS	
... ...	Social Sciences Core		3.00	
... ...	Humanities 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	3.00	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.

Notes

1.Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Early Childhood Education Apprentice

Early Childhood Education Apprentice

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. During the program's six semesters students will study suitable guidance techniques, developmentally appropriate strategies and activities for young children ages infant to school-age, basic principles of child development, and professional and ethical practices pertaining to early childhood education. Students will also receive training pertaining to the VPK Standards, will learn how to administer the VPK Assessment and will be trained in the area of Instructional Implications based on the VPK assessment data. Students will have the opportunity to engage in hands-on activities to use with young children at their own 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, as well as the Deltona Campus.

Outcomes:
Graduates of the program will be able to:
1. Successfully plan and implement lessons with targeted populations of children, using developmentally appropriate curriculum techniques and materials.
2. Demonstrate appropriate guidance techniques when dealing with targeted populations of children.
3. Demonstrate knowledge and principles of child development.
4. Demonstrate appropriate practices and guidelines for implementation into early childhood programs.
5. Demonstrate knowledge of professional and ethical practices pertaining to early childhood education.

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.

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

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

Access to a computer with highspeed internet connect icon is needed

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 (15.0 semester hours) toward an associate of science degree in Early Childhood Education.

2015-2016 College Catalog. To view previous catalogs, please click here.

Early Childhood Education Associate Degree

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: $8
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.

- Applicants that graduated from a Florida public high school after the year 2003 and earned a Standard High School diploma are not required to take the placement test. Those applicants that have successfully completed college level English and/or Math may be exempt from placement testing. All other applicants are required to take the Postsecondary Education Readiness Test (PERT) and be at the 10th grade level for reading, language and arithmetic.

- 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.

-Students interested in pursuing Child Development Associate (CDA) credential are strongly encouraged to contact the Program Manager.

General Education Courses

Course	Title	SEM HRS
... ...	General Education Core - 18 Credits	
... ...	Communications Core (6 credits)	

| ENC1101 | Introduction to Composition | 3.00 | |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3.00 | Pre-Reqs: ENC1101 |

... ...	Mathematics Core (3 credits)		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra		Pre-Reqs: MAT1033

... ...	Humanities Core (3 credits)		
... ...	Choose One Course		
		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

... ...	Social Sciences Core (6 credits)		
		SEM HRS	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101
DEP2004	Developmental Psychology OR		
PSY1012	General Psychology	3.00	

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	
		SEM HRS
CHD1104	Introduction to Early Childhood Education I	3.00
CHD1220*I*	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	Introduction to Composition	3.00
... ...	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	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra		Pre-Reqs: MAT1033
... ...	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	
CHD1430	Observation, Recording and Assessment	3.00	

... ...	3rd Semester - Summer	
		SEM HRS
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 Core	3.00	
CHD1104	Introduction to Early Childhood Education I	3.00	
CHD1220/	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
EEX2080	Teaching the Exceptional Learner		3.00

		3rd Semester - Summer	
			SEM HRS
CHD2440	Child Development Practicum		6.00
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Electrical Apprentice - Non-Union

Program Mission, Description, and Outcomes

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, and fostering innovation to enhance teaching and learning.

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 with Mid-Florida Non-union Electrical Apprenticeship, GNJ.

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. May be required to 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

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:

Joseph Wiggins, Program Manager/Director
Mid-Florida Non-union Electrical
2407 Bellevue Avenue Extension
Daytona Beach, FL 32114
Phone: (386) 255-0742
E-mail: joewiggins@economyelectricco.com
or MIDFLGNJ@cfl.rr.com
Mailing Address:
Mid-Florida Non-union Electrical Apprenticeship, GJN
PO BOX 292012
Port Orange, Florida 32129

2015-2016 College Catalog. To view previous catalogs, please click here.

Electrical Apprentice - Union

─ Program Mission, Description, and Outcomes ─

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, and fostering innovation to enhance teaching and learning.

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, 5901 S. Williamson Boulevard, Port Orange, FL 32128.

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
5901 S. Williamson Blvd.
Port Orange, FL 32128
Phone: (386) 322-6236
E-Mail: scottdbjatc@aol.com
Website: www.electricalcareer.net

2015-2016 College Catalog. To view previous catalogs, please click here.

Electronics Engineering Technology	

─ Program Mission, Description, and Outcomes ─

Mission:
The program prepares students 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. The program incorporates innovative teaching methods, uses latest technology, thus encouraging student success. After completion, students may seek career jobs or transition into baccalaureate programs.

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.

AS Certificate That Leads To This Degree:
The following AS Certificate is embedded within this degree: Cable Installation - 0921 . You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

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.

─ General Education Courses ─

Course	Title	SEM HRS	
... ...	General Education Core - 29 Credits		
... ...	Communication Core (9 credits)		
ENC1101	Introduction to Composition	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (6 credits)		

MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1114	College Trigonometry	3.00	Pre-Reqs: MAC1105 OR MAC1104
MAC1105*I*	College Algebra	3.00	Pre-Reqs: MAT1033

... ... Natural Sciences Core (8 Credits)
... ... Physical Sciences

		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 - 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	
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1.00	Co-Reqs: BSC1005 AND ENC1101
OCB2000	Introduction to Marine Biology	3.00	Co-Reqs: 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

... ... Social Sciences Core (3 credits)
... ... Choose One Course

		SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ... Humanities Core (3 Credits)
... ... Choose One Course

		SEM HRS	
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-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
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	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
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
MUL2380	Popular Music in America	3.00	Co-Reqs: ENC1101
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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-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
EET2142	Analog Circuits and Basic Analog Communications	3.00	Pre-Reqs: EET1141 AND EET1141L Conc-Reqs: EET2142L OR EET1141
EET2142L	Analog Circuits and Basic Analog Communications Lab	1.00	Conc-Reqs: EET2142 OR EET1141L
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	SEM HRS	
... ...	First Year		
... ...	1st Semester		
		SEM HRS	
... ...	Mathematics Core	3.00	
CET1112	Digital Fundamentals	3.00	Conc-Reqs: CET1112L
CET1112L	Digital Fundamentals Lab	1.00	Conc-Reqs: CET1112
ENC1101	Introduction to Composition	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
EET1607	Electronics Assembly and Cabling	2.00	Conc-Reqs: EET1607L
EET1607L	Electronics Assembly and Cabling Lab	1.00	Conc-Reqs: EET1607

		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	Writing with Research	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 OR EET1141
EET2142L	Analog Circuits and Basic Analog Communications Lab	1.00	Conc-Reqs: EET2142 OR EET1141L
COP2220	Computer Programming "C"	3.00	Pre-Reqs: COP1000 OR MAC1105

... ... 4th Semester

		SEM HRS	
... ...	Technical Elective	4.00	
... ...	Social Sciences Core	3.00	
... ...	Humanities 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.

Notes

1. Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Emergency Medical Services (Limited Access Program)

┌─ Program Information ───┐

A.S. Degree - Code 2108/2208 - Catalog 2015/2016
Megan Johnson, Senior Staff Assistant, johnsome@daytonastate.edu
Martha Driscoll, Clinical Coordinator, 386-506-4159, driscom@daytonastate.edu
EMS Department Email, ems@daytonastate.edu

08/26/2015 M - 2143

┌─ Program Mission, Description, and Outcomes ──────────────────┐

Mission:
The mission of the Emergency Medical Services program is to provide students with the necessary training and practices to deliver high quality, caring patient care in the pre-hospital environment, emphasizing student success and embracing excellence and diversity.

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.

Program Accreditation: The Daytona State College EMS Program is approved by the Florida Department of Health Bureau of Emergency Medical Services, as meeting all statutory requirements of section 401 for EMS Training Centers in Florida. The Daytona State College EMS Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP)

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: Paramedic - 0957 ; Emergency Medical Technician - 0960 . You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate completion of all benchmarks referenced in the National EMS Education Standards for the 0960 Emergency Medical Technician Program. http://www.ems.gov/EducationStandards.htm
2. Obtain Florida certification as an EMT
3. Demonstrate completion of all benchmarks as referenced in the Naitional EMS Education Standards required for the 0957 Paramedic Program. http://www.ems.gov/EducationStandards.htm
4. Obtain Florida certification as a Paramedic.

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. Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing.

- Must complete EMT and Paramedic Course successfully and obtain Florida certification

┌─ 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		
... ...	Communication Core (6 Credits)		

		SEM HRS	
ENC1101	Introduction to Composition	3.00	
ENC1102	Writing with Research OR		Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

... ...	Mathematics Core - Choose One Course (3 Credits)		

		SEM HRS	
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
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 MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033

... ...	Social Sciences Core (3 credits)		

		SEM HRS	
PSY1012	General Psychology	3.00	

... ...	Humanities Core - Choose One Course (3 Credits)		

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
EMS1119	Emergency Medical Technician I	7.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119L
EMS1335	Emergency Vehicle Operators Course	1.00	Co-Reqs: EMS1431 AND EMS1119 AND EMS1119L
EMS1119L	Emergency Medical Technician I Lab	2.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119
EMS1431	Emergency Medical Technician Clinical/Field Experience	2.00	Co-Reqs: EMS1119 AND EMS1119L
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: EMS2659 AND EMS2668 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605L
EMS2605L	Paramedic III Lab	3.00	

			Co-Reqs: EMS2659 AND EMS2668 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	
EMS1119	Emergency Medical Technician I	7.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119L
EMS1119L	Emergency Medical Technician I Lab	2.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119
EMS1431	Emergency Medical Technician Clinical/Field Experience	2.00	Co-Reqs: EMS1119 AND EMS1119L
EMS1335	Emergency Vehicle Operators Course	1.00	Co-Reqs: EMS1431 AND EMS1119 AND EMS1119L
ENC1101	Introduction to Composition	3.00	
... ...	First Year/2nd Semester		
		SEM HRS	
ENC1102	Writing with Research OR		Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MGF2107	Mathematics for Liberal Arts OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
PSY1012	General Psychology	3.00	
... ...	Humanities Core	3.00	
HSC1531	Medical Terminology	4.00	
... ...	First Year/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
... ...	Second Year/2nd Semester		

	SEM HRS	
EMS2605 Paramedic III	8.00	Co-Reqs: EMS2659 AND EMS2668 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605L
EMS2605L Paramedic III Lab	3.00	Co-Reqs: EMS2659 AND EMS2668 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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Emergency Medical Technician (Limited Access Program)

Emergency Medical Technician (Limited Access Program)

─ Program Mission, Description, and Outcomes ─

Mission:
The mission of the Emergency Medical Technician program is to provide students with the necessary training and practices to deliver high quality, caring patient care in the pre-hospital environment, emphasizing student success and embracing excellence and diversity.

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.

Program Accreditation: The Daytona State College EMS Program is approved by the Florida Department of Health Bureau of Emergency Medical Services, as meeting all statutory requirements of section 401 for EMS Training Centers in Florida. The Daytona State College EMS Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP)

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

Outcomes:
Graduates of the program will be able to:
1. Meet or exceed psychomotor skill set benchmarks as listed in the National EMS Educational Standards for Emergency Medical Technicians. http://www.ems.gov/EducationStandards.htm
2. Meet or exceed didactic benchmarks as listed in the National EMS Educational Standards for Emergency Medical Technicians. http://www.ems.gov/EducationStandards.htm
3. Use effective communication and technical resources to communicate to patients/families/differing cultures across the lifespan as evaluated in clinical documentation.
4. Demonstrate effective communication and teamwork with other crew members and other public safety providers as evaluated in clinical documentation.

Note: The length of this program makes it ineligible for federal and state financial aid.

─ Approximate Additional Costs ─

Program Tuition: $1,254*
Access Fee: $54 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $206 (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. Applicants starting in a Florida Public high school in 2003 or after and graduating

from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing.

- 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	SEM HRS	
EMS1119	Emergency Medical Technician I	7.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119L
EMS1119L	Emergency Medical Technician I Lab	2.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119
EMS1431	Emergency Medical Technician Clinical/Field Experience	2.00	Co-Reqs: EMS1119 AND EMS1119L

Sample Program of Study

Course	Title	SEM HRS	
EMS1119*1*	Emergency Medical Technician I	7.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119L
EMS1119L*1*	Emergency Medical Technician I Lab	2.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119
EMS1431*1*	Emergency Medical Technician Clinical/Field Experience	2.00	Co-Reqs: EMS1119 AND EMS1119L
TOTAL	...	11.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

For more information please contact Patricia Maher @ 386-506-4188.

1 - All three (3) courses (EMS 1119, EMS 1119L & EMS 1431) must be taken together in the same semester.

2015-2016 College Catalog. To view previous catalogs, please click here.

Environmental Science Technology

---Program Information---

A.S. Degree - Code 2230 - Catalog 2015/2016
Debra Woodall, Assistant Chair, 386-506-3765, WoodalD@daytonastate.edu

04/15/2015 M - 2016

---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. Demonstrate knowledge of environmental processes and human-environment interactions.
2. Critically analyze and evaluate environmental issues on local and global scales and to apply interdisciplinary perspectives and approaches.
3. Monitor, sample and evaluate environmental conditions and then design effective presentations using their data.

Note: This program is eligible for federal financial aid and state bright futures.

---Approximate Additional Costs---

Lab Fees: $376 (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 - 39 Credits		
... ...	Communications Core (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (6 credits)		
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
STA2023	Elementary Statistics	3.00	Pre-Reqs: MAC1105 OR MGF2106
... ...	Natural Sciences Core (18 credits)		

		SEM HRS	
BSC1010	General Biology I (For Science Majors)	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR STA2023 Conc-Reqs: BSC1010L
BSC1010L	General Biology I (For Science Majors) Lab	1.00	Conc-Reqs: BSC1010
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
OCE1001	Introduction to Oceanography	3.00	Co-Reqs: ENC1101
GLY2010	Physical Geology	3.00	Co-Reqs: ENC1101 AND MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 OR MAT1033 Conc-Reqs: GLY2010L
GLY2010L	Physical Geology Lab	1.00	Conc-Reqs: GLY2010
MET2010	Meteorology	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 MAC2311 OR MGF2106
... ...	Humanities Core (3 credits)		
... ...	Choose one		

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101
... ...	Social Science Core (3 credits)		

		SEM HRS	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
... ...	Cultural/Global Core (3 credits)		

		SEM HRS	
GEO2420	Cultural Geography	3.00	

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title		
... ...	Progam Specific Courses (19 Credits)		

		SEM HRS	
EVR2933	Environmental Seminar	1.00	Co-Reqs: EVR2943
EVR2943	Environmental Internship	3.00	Co-Reqs: EVR2933 AND PCB2033 Pre-Reqs: OCE2013 AND OCE2013L
GIS2040	Geographic Information Systems	2.00	Conc-Reqs: GIS2040L
GIS2040L	Geographic Information Systems Lab	1.00	Conc-Reqs: GIS2040
EVR2001	Introduction to Environmental Science	3.00	Co-Reqs: ENC1101 Pre-Reqs: BSC1010 AND CHM1025 AND BSC1010L AND CHM1025L AND MAC1105

EVR2001L	Introduction to Environmental Science Lab	1.00	Conc-Reqs: EVR2001
OCE2013	Aquatic Environmental Science	3.00	Pre-Reqs: CHM1025 AND CHM1025L AND STA2023 AND MAC1105 AND OCE1001 Conc-Reqs: OCE2013L
OCE2013L	Aquatic Environmental Science Lab	1.00	Conc-Reqs: OCE2013
PCB2033	Introduction to Ecology	3.00	Pre-Reqs: BSC1010 AND STA2023 AND MAC1105 Conc-Reqs: PCB2033L
PCB2033L	Introduction to Ecology Lab	1.00	
BOT2150	Native Plants of Central Florida	3.00	Pre-Reqs: BSC1010 AND BSC1010L
PHY1020	Energy and its Environmental Effects	3.00	Pre-Reqs: MAC1105
TOTAL	64 Credits		

Sample Program of Study

Course	Title		
... ...	First Year		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
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
GIS2040	Geographic Information Systems	2.00	Conc-Reqs: GIS2040L
GIS2040L	Geographic Information Systems Lab	1.00	Conc-Reqs: GIS2040
... ...	2nd Semester		
		SEM HRS	
BSC1010	General Biology I (For Science Majors)	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR STA2023 Conc-Reqs: BSC1010L
BSC1010L	General Biology I (For Science Majors) Lab	1.00	Conc-Reqs: BSC1010
BOT2150	Native Plants of Central Florida	3.00	Pre-Reqs: BSC1010 AND BSC1010L
OCE1001	Introduction to Oceanography	3.00	Co-Reqs: ENC1101
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
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
... ...	Humanities Elective Core	3.00	
... ...	Second Year		
... ...	1st Semester		
		SEM HRS	
EVR2001	Introduction to Environmental Science	3.00	Co-Reqs: ENC1101 Pre-Reqs: BSC1010 AND CHM1025 AND BSC1010L AND CHM1025L AND MAC1105

EVR2001L	Introduction to Environmental Science Lab	1.00	Conc-Reqs: EVR2001
GLY2010	Physical Geology	3.00	Co-Reqs: ENC1101 AND MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 OR MAT1033 Conc-Reqs: GLY2010L
GLY2010L	Physical Geology Lab	1.00	Conc-Reqs: GLY2010
MET2010	Meteorology	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 MAC2311 OR MGF2106
PCB2033	Introduction to Ecology	3.00	Pre-Reqs: BSC1010 AND STA2023 AND MAC1105 Conc-Reqs: PCB2033L
PCB2033L	Introduction to Ecology Lab	1.00	
... ...	2nd Semester		
		SEM HRS	
EVR2943	Environmental Internship	3.00	Co-Reqs: EVR2933 AND PCB2033 Pre-Reqs: OCE2013 AND OCE2013L
EVR2933	Environmental Seminar	1.00	Co-Reqs: EVR2943
GEO2420	Cultural Geography	3.00	
OCE2013	Aquatic Environmental Science	3.00	Pre-Reqs: CHM1025 AND CHM1025L AND STA2023 AND MAC1105 AND OCE1001 Conc-Reqs: OCE2013L
OCE2013L	Aquatic Environmental Science Lab	1.00	Conc-Reqs: OCE2013
TOTAL	...	64.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Fire Fighter (Limited Access Program)

Program Information

Vocational Certificate - Code 1156/1056 - Catalog 2015/2016
David McCallister, Assistant Chair, 386-506-4177, mccalld@daytonastate.edu
Louie Mercer, Director, 386-506-4201, mercerlo@daytonastate.edu

08/20/2015 M - 2102

Program Mission, Description, and Outcomes

Program Mission:
The mission of the Fire Fighter program is to provide quality job training for students in this discipline, emphasizing student success, embracing excellence and diversity, and fostering innovation to enhance teaching and learning.

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 entire 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. Meet attendance standards mandated by the Florida State Fire College.
2. Demonstrate accomplishment of competencies/skills as required by the Florida State Fire College.
3. Demonstrate mastery of didactic curriculum as required by the Florida State Fire College.

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: $65 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: FFP0010 - $299 (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. Applicants graduating from a Florida public high school with a standard high school diploma from 2007 to present or active duty military are exempt from any placement testing.
- Must complete fire academy application - available in Fire Science Department office in March for June (Summer) class, in June for August (Fall) class, and in October for January (Spring) class.
- Must have a physical examination.
- Must be 18 years of age before completion of the course.
- Must have a standard high school diploma or a GED.
- Must ssuccessfully complete a state-mandated criminal background check.
- Must not currently be on probation.
- Must not have been convicted of a misdemeanor related to certification or to perjury or false statement, or of a felony, or of a crime punishable by imprisonment of one year or more.
- Must not have a dishonorable discharge from any branch of the US Armed Forces.
- Must complete a physical skills assessment (Agility Test) prior to acceptance into the course.
- Must complete the Fire Academy Orientation.
- Must order classroom uniforms, rent firefighter bunker gear, 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 registering for the course.

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.

2015-2016 College Catalog. To view previous catalogs, please click here.

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Fire Science Technology

Fire Science Technology

Program Mission, Description, and Outcomes

Mission:
The mission of the Fire Science Technology program is to provide students the knowledge, skills, and practices necessary for a successful career in the fire service, emphasizing student success and embracing excellence and diversity.

Description:
This program is designed for students interested in the fire service, and for promotion purposes for students employed 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. Demonstrate skills necessary for successful employment in a fire service agency and/or promotion within their existing agency.
2. Identify the roles, duties, and responsibilities for each type of fire service agency.
3. Respond to the problems placed on communitites that are experiencing high arson rates, fire/medical emergencies, and related social problems.
4. Exhibit competence in both written and oral communication both within the fire service agency, the state certification agency, and the citizens in the community to build effective community partnerships that include business and educational organizations.

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		
... ...	Communication Core (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Natural Sciences Core (4 credits)		
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1.00	Co-Reqs: BSC1005 AND ENC1101

		Social Sciences Core (3 credits)		
			SEM HRS	
PSY1012	General Psychology		3.00	

		Humanities Core (3 credits)		
... ...		Choose One Course		
			SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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

... ...	Electives - Choose Four:		
		SEM HRS	
EMS1119*l*	Emergency Medical Technician I	7.00	Co-Reqs: EMS1431 Conc-Reqs: EMS1119L
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	
FFP2801	Introduction to Command	3.00	

Sample Program of Study

Course	Title

		First Year		
		1st Semester		
			SEM HRS	
ENC1101	Introduction to Composition		3.00	
MGF2106	Survey in Mathematics OR			Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra		3.00	Pre-Reqs: 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	
CGS2100	Microcomputer Applications		3.00	
FFP1520	Fire Prevention Programs		3.00	
FFP2120	Building Construction		3.00	
		Second Year		
		1st Semester		
			SEM HRS	
		Humanities Core	3.00	
BSC1005	Survey of Biological Sciences (For Non-Science Majors)		3.00	
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab		1.00	Co-Reqs: BSC1005 AND ENC1101
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 Systems		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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Florida Law Enforcement Academy (Limited Access Program)

---Program Information---

Vocational Certificate - Code 1151/1051 - Catalog 2015/2016
Patricia Lane, Senior Staff Assistant, 386-506-4202, lanepa@daytonastate.edu
Sheila Ellison, Assistant Chair, 386-506-4113, ellisos@daytonastate.edu

08/20/2015 M - 2103

---Program Mission, Description, and Outcomes---

Mission:
The mission of the Florida Law Enforcement Academy Program is to provide quality job training for students in this discipline, emphasizing student success, embracing excellence and diversity, and fostering innovation to enhance teaching and learning.

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.

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. Meet attendance standards as mandated by the Florida Department of Law Enforcement.
2. Demonstrate accomplishment of competencies/skills as required by the Florida Department of Law Enforcement.
3. Demonstrate mastery of didactic curriculum as required by the Florida Department of Law Enforcement.

Note: This program is eligible for federal financial aid and state bright futures.

---Approximate Additional Costs---

Program Tuition and Fees: $2,154*
Access Fee: $127 ($4.93 per credit)
Assessment Fee: $35 (First Semester Only)
Lab Fees: $424
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.daytonastate.edu/finaid. 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---

- Complete a Criminal Justice Training Center Application for continuing enrollment.

- Completion of the Basic Abilities Test (CJBAT) and score a minimum of 79%.

- 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.

Program Length: The typical length of this program is three (3) semesters (20 weeks) for a full-time student, with 95% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 67%.

For additional career information. please see:

http://www.onetonline.org/link/summary/35-3051.00

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.

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
CJK0001	Introduction to Law Enforcement	0.33
CJK0012	Law Enforcement Legal	2.07
CJK0013	Law Enforcement Interactions in a Diverse Community	1.33
CJK0014	Law Enforcement Interviewing and Report Writing	1.87
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
CJK0064	Law Enforcement Fundamentals of Patrol	1.17
CJK0065	Law Enforcement Calls for Service	1.20
CJK0077	Criminal Investigations	1.67
CJK0078	Law Enforcement Crime Scene to Courtroom	1.17
CJK0084	Law Enforcement DUI Traffic Stops	0.80
CJK0087	Law Enforcement Traffic Stops	1.00
CJK0088	Law Enforcement Traffic Crash Investigations	1.06
CJK0092	Law Enforcement Criminal Incidents	1.46
CJK0096	Law Enforcement Officer Physical Fitness Training	2.00
CJK0422	Dart Stun Gun Firing	0.27

Sample Program of Study

Course	Title	VOC HRS
CJK0001	Introduction to Law Enforcement	0.33
CJK0012	Law Enforcement Legal	2.07

CJK0013 Law Enforcement Interactions in a Diverse Community	1.33
CJK0014 Law Enforcement Interviewing and Report Writing	1.87
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
CJK0064 Law Enforcement Fundamentals of Patrol	1.17
CJK0065 Law Enforcement Calls for Service	1.20
CJK0077 Criminal Investigations	1.67
CJK0078 Law Enforcement Crime Scene to Courtroom	1.17
CJK0084 Law Enforcement DUI Traffic Stops	0.80
CJK0087 Law Enforcement Traffic Stops	1.00
CJK0088 Law Enforcement Traffic Crash Investigations	1.06
CJK0092 Law Enforcement Criminal Incidents	1.46
CJK0096 Law Enforcement Officer Physical Fitness Training	2.00
CJK0422 Dart Stun Gun Firing	0.27
TOTAL VOC. HRS.	25.67
TOTAL CONTACT HRS.	770.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Health Information Technology (Limited Access Program)

Program Information

A.S. Degree - Code 2114/2214 - Catalog 2015/2016
Regina Weber, Assistant Chair, 386-506-3748,
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

04/15/2015 M - 2017

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.

Program Accreditation: 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

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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): $159
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 (Introduction to Composition) and MAT 1033 (Intermediate Algebra). This eligibility can be met through assessment results or course work.

- Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing. Applicants that have successfully completed college level English and/or Math may also be exempt from placement testing. All other applicants will be required to take the Postsecondary Education Readiness Test (PERT) and must be at the 10th grade level for reading, language and arithmetic.

- Completion of the following course 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.

- 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 Information Technology student handbook, as well as the College Student handbook.

The Medical Information Coder Biller AS Certificate is fully embedded in the AS Degree Health Information Technology Program. Classes taken for the Medical Information Coder Biller Program can be applied towards the Health Information Technology AS Degree.

General Education Courses

Course	Title		
... ...	General Education Core - 15 Credits		
... ...	Communication Core (3 credits)		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core (3 credits)		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra		Pre-Reqs: MAT1033
... ...	Natural Sciences Core (3 credits)		
		SEM HRS	
BSC1020*I*	Human Biology	3.00	
... ...	Humanities Core (3 credits)		
... ...	Choose One Course		
		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101
... ...	Social Sciences Core (3 credits)		

		SEM HRS
PSY1012	General Psychology	3.00

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

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-10-CM Coding	3.00	Co-Reqs: HIM1000 Pre-Reqs: HSC1531 Conc-Reqs: HIM1222L
HIM1222L	Beginning ICD-10-CM Coding Lab	1.00	Conc-Reqs: HIM1222
HIM1273	Billing and Reimbursement Methods	2.00	Pre-Reqs: HIM1222 AND HIM1222L AND HIM2253
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-10-PCS Coding	4.00	Pre-Reqs: HIM1222 Conc-Reqs: HIM2234L
HIM2234L	Advanced ICD-10-PCS 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: HIM1000 AND HIM2800
HIM2500	Quality Assurance and Compliance	2.00	Pre-Reqs: HIM1000
HIM2512	Health Information Systems Management	2.00	Pre-Reqs: HIM2800
HIM2652	Electronic Health Record	2.00	Pre-Reqs: HIM1000 AND HIM1222 AND HIM2253 AND HIM1273
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
HIM2930	Special Topics in Health Information Technology	3.00	Pre-Reqs: HIM1222 AND HIM2234 AND HIM2283 AND HIM2253

Sample Program of Study

Course	Title		
... ...	Prerequisite Course		
		SEM HRS	
HSC1531	Medical Terminology	4.00	
... ...	First Year - 1st Semester - Spring		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
MGF2106	Survey in Mathematics OR	3.00	

			Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
BSC1020	Human Biology	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-10-CM Coding	3.00	Co-Reqs: HIM1000 Pre-Reqs: HSC1531 Conc-Reqs: HIM1222L
HIM1222L	Beginning ICD-10-CM Coding Lab	1.00	Conc-Reqs: HIM1222

... ...	2nd Semester - Summer		
		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		
		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: HIM1222 AND HIM1222L AND HIM2253
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: HIM1000 AND HIM2800
HIM2652	Electronic Health Record	2.00	Pre-Reqs: HIM1000 AND HIM1222 AND HIM2253 AND HIM1273
HIM2234	Advanced ICD-10-PCS Coding	4.00	Pre-Reqs: HIM1222 Conc-Reqs: HIM2234L
HIM2234L	Advanced ICD-10-PCS 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 Core	3.00	

... ...	Second Year - 3rd Semester - Fall		

		SEM HRS	
PSY1012	General Psychology	3.00	
HIM2500	Quality Assurance and Compliance	2.00	Pre-Reqs: HIM1000
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
HIM2930	Special Topics in Health Information Technology	3.00	Pre-Reqs: HIM1222 AND HIM2234 AND HIM2283 AND HIM2253
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).

2015-2016 College Catalog. To view previous catalogs, please click here.

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 our admissions office, (386) 506-3059,or visit DaytonaState.edu/admissions.html for additional information.

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: $150
Professional Cutlery: $270

─ 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		
... ...	Communication - (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics or Natural Sciences (3 Credits)		

		Choose One Course		

			SEM HRS	
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00		
MGF2106	Survey in Mathematics	3.00		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
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 MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00		Pre-Reqs: MAT1033

		Social Sciences (3 credits)		
... ...		Choose One Course		

			SEM HRS	
DEP2004	Developmental Psychology	3.00		
PSY1012	General Psychology	3.00		
SYG2000	Introduction to Sociology	3.00		Co-Reqs: ENC1101

		Humanities (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		Pre-Reqs: ENC1101
LIT2110	Masterpieces of World Literature I	3.00		Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00		Co-Reqs: ENC1101
THE1000	Theatre Appreciation	3.00		Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title			
... ...		Program Specific Courses		

		SEM HRS	
FOS1201	Sanitation and Safety	3.00	
FSS1202	Food Production I	2.00	Co-Reqs: FOS1201 Conc-Reqs: FSS1202L
FSS1202L	Food Production I Lab	1.00	Conc-Reqs: FSS1202
FSS1222	Food Production II	2.00	Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L
FSS1222L	Food Production II Lab	1.00	Conc-Reqs: FSS1222
FSS1270	Introduction to Craft Beer and Wine	3.00	
FSS2284	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	
HFT1410	Lodging Operations I	3.00	
HFT1940	Hospitality Practicum I (Basic)	2.00	Pre-Reqs: FSS1222 Conc-Reqs: HFT1940L
HFT1940L	Hospitality Practicum I Lab (Basic)	1.00	Conc-Reqs: HFT1940
HFT1941	Hospitality Practicum II (Intermediate)	2.00	Pre-Reqs: FSS1222 Conc-Reqs: HFT1941L
HFT1941L	Hospitality Practicum II Lab (Intermediate)	1.00	Conc-Reqs: HFT1941
HFT2009	Hospitality Professionalism	3.00	
HFT2276	Resorts: Management and Operations	3.00	
HFT2282	Hospitality Supervision	3.00	

HFT2454	Hospitality Purchasing and Controls	3.00	
HFT2500	Hospitality Marketing	3.00	Pre-Reqs: HFT1000
HFT2750	Event Industry	3.00	
HFT2780	Introduction to Casino Operations	3.00	

... ...	Additional Required Courses		
		SEM HRS	
LIS2004	Introduction to Internet Research OR	1.00	
OST1141	Keyboarding	1.00	

Sample Program of Study

Course	Title		

... ...	FIRST YEAR		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
FOS1201	Sanitation and Safety	3.00	
HFT1000	Introduction to Hospitality Industry	3.00	
... ...	Mathematics or Natural Sciences Core	3.00	
HFT2009	Hospitality Professionalism	3.00	

... ...	2nd Semester		
		SEM HRS	
FSS1202	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	Food Production II	2.00	Pre-Reqs: FSS1202 Conc-Reqs: FSS1222L
FSS1222L	Food Production II Lab	1.00	Conc-Reqs: FSS1222
FSS1270	Introduction to Craft Beer and Wine	3.00	
HFT1940	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	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	
HFT2276	Resorts: Management and Operations	3.00	
HFT2454	Hospitality Purchasing and Controls	3.00	
... ...	Humanities Core	3.00	
FSS2284	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	
HFT2750	Event Industry	3.00	
HFT2780	Introduction to Casino Operations	3.00	
... ...	Social Sciences Core	3.00	

OST1141	Keyboarding OR		
LIS2004	Introduction to Internet Research	1.00	
HFT2500	Hospitality Marketing	3.00	Pre-Reqs: HFT1000
TOTAL	...	64.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

All Program Specific Courses require a grade of "C" or better to meet graduation requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Human Services (Addictions Specialization)

Human Services (Addictions Specialization)

Program Mission, Description, and Outcomes

Mission:
The mission of the Human Services Program at Daytona State College is to prepare students for careers that focus on helping people and communities to solve problems, and to help people live more satisfying lives. This is accomplished by offering a curriculum that will provide graduates of the program with a solid foundation of principles, theories, ethics, and applied skills in the areas of addictions, chemical dependency, and human services. The program is specifically committed to provide training and experience that will enable graduates to become effective human services professionals that will work in agencies that provide a variety of services to help people overcome various life problems, including addiction and chemical dependency. This program can also prepare graduates for matriculation in to a baccalaureate program in human services, or a similar discipline. It is also a goal of this program to promote the values and ethics of working with diverse populations.

Description:
The Human Services program focuses on teaching broad, transferable skills that encompass the areas of human services, including addiction and chemical dependency. Skill acquisition and practical experience are gained through specific coursework, and professionally supervised externships that are offered at various human services agencies throughout Volusia and Flagler Counties. The established curriculum includes coursework in the following areas: Addictions, Chemical Dependency, Psychopharmacology, Psychology, Counseling, Ethics, Treatment Planning, and Communication. This curriculum is also designed to prepare graduates for the appropriate Florida Certification Board exams.

AS Certificate That Leads To This Degree:
The following AS Certificate is embedded within this degree: Addictions Studies Specialization - 0813 . You may pursue the AS degree and also earn the AS certificate while completing the requirements for the degree, or pursue the AS certificate to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

Note: It is strongly encouraged that students take coursework in a specific order. Therefore, new students should schedule an interview with an academic counselor, faculty advisor, or department chair as soon as possible after deciding to apply to the program. Additionally, each year a mandatory program orientation is scheduled before classes begin.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate a general knowledge and understanding of the role of the human services worker in a variety of social service settings.
2. Examine current social issues and their impact on society, including substance abuse, addictions, and chemical dependence.
3. Compare and contrast a variety of family systems.
4. Apply interpersonal skills in helping relationships, including crisis intervention and group dynamics.
5. Apply case management skills, including interviewing, documentation, assessment, treatment planning, and the ability to make appropriate referrals.
6. Demonstrate the ability to adhere to professional and ethical standards of practice, including confidentiality, sensitivity when working with diverse populations, and responsibility for professional growth.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Lab Fees (including liability insurance): $18
FDLE/FBI Background Screening: $90

Additional Admission Requirements

- Attend mandatory program orientation.

- Admission into the program will be contingent on the satisfactory completion of required externships at a Daytona State College approved site. These externships will require a "favorable" drug screening, and a "favorable" criminal background check including a fingerprint review of state and federal criminal history information. The specific screening and background check will be determined by the specific externship organization, and there will, in most all cases, be a cost associated with this that the student must pay.

- Minimum GPA of 2.0 required.

- Program specific courses and general education courses must be completed with a grade of 'C' or better.

- Students will be held accountable for the policies and procedures outlined in the College Student handbook.

General Education Courses

Course	Title	SEM HRS	
... ...	General Education Core - 18 Credits		
... ...	Communication Core (9 credits)		
ENC1101	Introduction to Composition	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits) Choose one course from this core.		
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
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 MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Humanities Core (3 credits)		
... ...	Choose one course from this core		
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101
... ...	Social Sciences Core (3 credits)		
PSY1012	General Psychology	3.00	

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
HSC1000	Introduction to Health Care	3.00	
HUS1001	Introduction to Human Services	3.00	
HUS1332	Advanced Counseling/Interview Skills	3.00	Co-Reqs: HUS1850 AND PSY1012 Pre-Reqs: HUS1001 AND HUS1424
HUS1400	Introduction to Chemical Dependency/Addiction	3.00	Co-Reqs: PSY1012
HUS1421	Assessment and Treatment Planning in Addictions	3.00	Co-Reqs: PSY1012

HUS1423	Group Counseling in Substance Abuse	3.00	Co-Reqs: PSY1012
HUS1424	Counseling for the Chemically Dependent	3.00	Co-Reqs: PSY1012
HUS1450	Dual Diagnosis	3.00	Co-Reqs: PSY1012
HUS1850	Human Services Externship I	4.00	Co-Reqs: HSC1000 AND HUS1001 AND HUS2520 AND HUS2500
HUS2308	Psychotherapy: Theory and Practice	3.00	Co-Reqs: ENC1101 AND PSY1012
HUS2425	Addictions and Treatment	3.00	Co-Reqs: ENC1101
HUS2441	Addictions, Families, and Communities	3.00	
HUS2500	Issues and Ethics in Human Services	3.00	
HUS2520	Dynamics of Abnormal Human Behavior	3.00	Co-Reqs: PSY1012
HUS2851	Human Services Externship II	4.00	Co-Reqs: HUS1423 Pre-Reqs: HUS1850
HUS2852	Human Services Externship III	4.00	Co-Reqs: HUS1423 Pre-Reqs: HUS1850 AND HUS2851
HUS2933	Human Services Seminar	1.00	
PSB2442	Addictions I - Psychology of Addictions	3.00	
PSY1012	General Psychology	3.00	

Sample Program of Study

Course	Title		

... ...   First Year - 1st Semester - Fall

		SEM HRS	
PSY1012	General Psychology	3.00	
ENC1101	Introduction to Composition	3.00	
HUS1001	Introduction to Human Services	3.00	
HUS1400	Introduction to Chemical Dependency/Addiction	3.00	Co-Reqs: PSY1012
HUS2933	Human Services Seminar	1.00	
HSC1000	Introduction to Health Care	3.00	

... ...   First Year - 2nd Semester - Spring

		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MGF2107	Mathematics for Liberal Arts OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
HUS1421	Assessment and Treatment Planning in Addictions	3.00	Co-Reqs: PSY1012
HUS1424	Counseling for the Chemically Dependent	3.00	Co-Reqs: PSY1012
HUS2520	Dynamics of Abnormal Human Behavior	3.00	Co-Reqs: PSY1012
PSB2442	Addictions I - Psychology of Addictions	3.00	

... ...   First Year - Summer Semester

		SEM HRS	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
HUS1332	Advanced Counseling/Interview Skills	3.00	Co-Reqs: HUS1850 AND PSY1012 Pre-Reqs: HUS1001 AND HUS1424
HUS1850	Human Services Externship I	4.00	Co-Reqs: HSC1000 AND HUS1001 AND HUS2520 AND HUS2500

... ...   Second Year - 1st Semester Fall

		SEM HRS	
HUS1423	Group Counseling in Substance Abuse	3.00	Co-Reqs: PSY1012

HUS2308	Psychotherapy: Theory and Practice	3.00	Co-Reqs: ENC1101 AND PSY1012
HUS2425	Addictions and Treatment	3.00	Co-Reqs: ENC1101
HUS2500	Issues and Ethics in Human Services	3.00	
HUS2851	Human Services Externship II	4.00	Co-Reqs: HUS1423 Pre-Reqs: HUS1850
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

... ...	Second Year - 2nd Semester Spring		
		SEM HRS	
... ...	Humanities Core		
HUS1450	Dual Diagnosis	3.00	Co-Reqs: PSY1012
HUS2441	Addictions, Families, and Communities	3.00	
HUS2852	Human Services Externship III	4.00	Co-Reqs: HUS1423 Pre-Reqs: HUS1850 AND HUS2851
TOTAL	...	73.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Industrial Management Technology (Limited Access Program)

Industrial Management Technology (Limited Access Program)

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.

AS Certificate That Leads To This Degree:
The following AS Certificate is embedded within this degree: Business Operations - Entrepreneurship - 0913 . You may pursue the AS degree and also earn the AS certificate while completing the requirements for the degree, or pursue the AS certificate to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

Outcomes:
Graduates of the program will be able to:
1. Prepare and use financial information to support decision making.
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.
7. Demonstrate proficiency in a technical field including theory, applications, troubleshooting and safety.
8. Demonstrate the ability to plan and initiate projects within a technical field.

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. Upon completion of this program, students are eligible to apply for and receive certificate 0913 - Business Operations - Entrepreneurship.

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.

Course	Title		
		SEM HRS	
... ...	General Education Core - 15 Credits		
... ...	Communication (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics (3 credits) Choose One Course		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MGF2107	Mathematics for Liberal Arts OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Social Sciences (3 credits)		
... ...	Choose One Course		
		SEM HRS	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
... ...	Humanities (3 credits)		
... ...	Choose One Course		
		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS
BCT2990	Technical Training	23.00
EGS1000	Professional Performance for Technicians	3.00
GEB1011	Introduction to Business	3.00
ISM2000	Business Information Processing	3.00
MAR2011	Principles of Global Marketing	3.00
SBM2000	Small Business Management	3.00
... ...	Accounting or Finance Elective (3 credits)	
... ...	Choose One Course	
		SEM HRS

Course	Title	SEM HRS	
ACG2021	Principles of Financial Accounting	3.00	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	

	Business Elective (3 credits) Choose One Course		
		SEM HRS	
BUL2241	Business Law I	3.00	
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101
GEB2351	International Business	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
MAN2021	Principles of Management	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	
QMB1001	Business Math	3.00	

	Office Elective (1 credit) Choose One Course		
		SEM HRS	
OST1141	Keyboarding	1.00	
OST2828	Business Presentation Software	1.00	
OST2852	Excel for the Office	1.00	

Sample Program of Study

Course	Title		
... ...	First Year		
... ...	1st Semester & 2nd Semester		
		SEM HRS	
BCT2990	Technical Training	23.00	
... ...	Second Year		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core	3.00	
ISM2000	Business Information Processing	3.00	
GEB1011	Introduction to Business	3.00	

	Business Elective (3 credits) Choose One Course		
		SEM HRS	
BUL2241	Business Law I	3.00	
ECO2023	Principles of Micro Economics	3.00	Co-Reqs: ENC1101
GEB2351	International Business	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
MAN2021	Principles of Management	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 | |
| QMB1001 | Business Math | 3.00 | |

... ...	2nd Semester		
		SEM HRS	
... ...	Social Sciences Core	3.00	
MAR2011	Principles of Global Marketing	3.00	
SBM2000	Small Business Management	3.00	

... ...	Accounting or Finance Elective Choose One		
		SEM HRS	
ACG2021	Principles of Financial Accounting	3.00	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
FIN1100	Personal Financial Planning	3.00	
FIN2000	Principles of Finance	3.00	

... ...	Office Elective (1 credit) Choose One		
		SEM HRS	
OST1141	Keyboarding	1.00	
OST2852	Excel for the Office	1.00	
OST2828	Business Presentation Software	1.00	

... ...	3rd Semester		
		SEM HRS	
EGS1000	Professional Performance for Technicians	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Humanities Core	3.00	
TOTAL	...	60.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

── Notes ──

UPON COMPLETION OF THE SECOND YEAR, SECOND SEMESTER UNDER THE RECOMMENDED SAMPLE PROGRAM OF STUDY, STUDENTS ARE ELIGIBLE TO APPLY FOR THE 0913 CERTIFICATE

2015-2016 College Catalog. To view previous catalogs, please click here.

Information Technology Administration

─ 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. The program incorporates innovative teaching methods, uses latest technology, thus encouraging student success.

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. Program courses transitions directly into Associate of Science in Internet Services Technology and other Associate degree programs.

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. Create web pages using web coding languages to support 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: $89 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $15
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

─ 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.

Program Length: The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) 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:
http://www.careerinfonet.org/occ_rep.asp?opstatus=011000000&soccode=113021&id=1nodeid=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	
CET2154	A+ Computer Repair	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 AND CGS2820
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		
CET2154	A+ Computer Repair	4.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
COP1000	Principles of Computer Programming	3.00	
... ...	2nd Semester		
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 AND CGS2820
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Information Technology Analysis

─ 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.The program incorporates innovative teaching methods, uses latest technology, thus encouraging student success.

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. Program courses transfer directly into Associate of Science Computer Information Technology and other Associate degree programs.

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 networked 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: $133 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $55
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

─ 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.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student, with 9% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) 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	
CTS2214	Project Management w/Microsoft Project	3.00	Pre-Reqs: CGS2100
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	Pre-Reqs: CGS2100
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CET2154	A+ Computer Repair	4.00	
CET1600	Network Plus	3.00	
CGS2100	Microcomputer Applications	3.00	
EGS1000	Professional Performance for Technicians	3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
CET2154	A+ Computer Repair	4.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CGS2100	Microcomputer Applications	3.00	
EGS1000	Professional Performance for Technicians	3.00	
... ...	**2nd Semester**		
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	Pre-Reqs: CGS2100
DIG1109	Digital Imaging Fundamentals	3.00	
CET1600	Network Plus	3.00	
CTS2214	Project Management w/Microsoft Project	3.00	Pre-Reqs: CGS2100
... ...	**3rd Semester**		
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	
TOTAL	...	27.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Information Technology Support Specialist

Program Information

A.S. Certificate - Code 0905 - Catalog 2015/2016
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

08/20/2015 M - 2132

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. The program incorporates innovative teaching methods, uses latest technology, thus encouraging student success.

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. Program courses transfer directly into Associate of Science Computer Information Technology and other Associate degree programs.

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: $89 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $30
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 94%.

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:
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	3.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CTS2321	Linux Fundamentals	3.00	
CET1600	Network Plus	3.00	
CGS2100	Microcomputer Applications	3.00	
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	Pre-Reqs: CGS2100

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
CTS2321	Linux Fundamentals	3.00	
CGS2100	Microcomputer Applications	3.00	
... ...	2nd Semester		
CTS2306	Microsoft Windows Professional	3.00	
CET1600	Network Plus	3.00	
CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3.00	Pre-Reqs: CGS2100
TOTAL	...	18.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Interactive Media Production

Program Information

A.S. Degree - Code 2231 - Catalog 2015/2016
Kevin Miller, Assistant Chair, 386-506-4469,
Hector Valle, Program Advisor, 386-506-4468, pr55us@yahoo.com
Elena Jarvis, 386-506-3268, JarvisE@daytonastate.edu

04/03/2015 M - 1996

Program Mission, Description, and Outcomes

Mission:
"The mission of the program will be to prepare students for entry-level positions in the following careers: broadcast, print, and web media by equipping them with skills in the fields of communications, advertising, photography, video, journalism, audio, website creation and design while emphasizing student success, embracing excellence and diversity, and fostering innovation."

Description:
In the discipline, students will combine skills in critical thinking, writing, photography, video, audio, social media and web creation/design to tell both traditional and interactive media stories. Students will have an area of emphasis but will perform media production coursework in teams. Excellence in storytelling is the goal. A department website, with content provided by students, will be one means of disseminating their coursework.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate the ability to gather and evaluate appropriate information and assets to create multi-media projects designed for specific audiences.
2. Demonstrate proficiency in writing and reportage, digital still photography, video, audio, web design and publishing.
3. Demonstrate written and verbal interpersonal and business communications skills.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

See college catalog for individual course lab fee requirements.

Additional Admission Requirements

All new and transfer students are required to meet with the Chair or Program Advisor prior to registration. Please call or email for an appointment for an hour-long consultation and tour of the facilities.

Careers

Journalist
Photographer
Multi-media Producer
Social Media Coordinator
Sound Technician
Video Editor
Videographer
Web Designer

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	
... ...	Communication Core (6 credits)	
ENC1101		3.00

Introduction to Composition

| ENC1102 | Writing with Research | 3.00 | Pre-Reqs: ENC1101 |

| ... ... | Mathematics Core (3 credits) | | |

SEM HRS

| MGF2106 | Survey in Mathematics OR | | Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L |
| MAC1105 | College Algebra | 3.00 | Pre-Reqs: MAT1033 |

| ... ... | Social Sciences Core (3 Credits) | | |

SEM HRS

| PSY1012 | General Psychology OR | | |
| SYG2000 | Introduction to Sociology | 3.00 | Co-Reqs: ENC1101 |

| ... ... | Humanities Core (3 Credits) | | |

SEM HRS

| ARH2050 | Survey of Art History I | 3.00 | Co-Reqs: ENC1101 |

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
DIG2000	Introduction to Digital Media	3.00	
DIG2500	Fundamentals of Interactive Media	3.00	
GRA1543	Graphic Design Studio	3.00	
GRA2144	Web Publishing	3.00	Pre-Reqs: GRA1543 AND DIG2000 OR DIG2500
JOU1100	Introduction to Journalism	3.00	Pre-Reqs: ENC1101
MAR2011	Principles of Global Marketing OR		
MAR2101	Social Media Marketing OR		
MAR2321	Advertising OR		
MKA2021	Sales Fundamentals	3.00	
MMC1000	Introduction to Mass Communication	3.00	
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
PGY1800	Photography and the Digital Image	5.00	
PGY2750	Introduction to Video Production	4.00	Pre-Reqs: PGY1115 AND PGY2650 OR PGY1800 AND DIG2500
RTV1000	Fundamentals of Broadcast Production	3.00	Conc-Reqs: RTV1000L
RTV1000L	Fundamentals of Broadcast Production Lab	1.00	Conc-Reqs: RTV1000
RTV1510	Studio Television Production	3.00	Pre-Reqs: RTV1000 Conc-Reqs: RTV1510L
RTV1510L	Studio Television Production Lab	1.00	Pre-Reqs: RTV1000L Conc-Reqs: RTV1510
RTV2104	Broadcast Research/Newswriting/Presentation Skills	3.00	Pre-Reqs: ENC1101

Sample Program of Study

Course	Title	SEM HRS	
	First Year		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
DIG2000	Introduction to Digital Media	3.00	
MMC1000	Introduction to Mass Communication	3.00	
PGY1800	Photography and the Digital Image	5.00	
... ...	2nd Semester		
		SEM HRS	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
GRA1543	Graphic Design Studio	3.00	
JOU1100	Introduction to Journalism	3.00	Pre-Reqs: ENC1101
MUM1610	Survey of Recording Technology	3.00	
... ...	Summer Semester		
		SEM HRS	
ARH2050	Survey of Art History I	3.00	Co-Reqs: ENC1101
PSY1012	General Psychology OR		
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101
... ...	Second Year		
... ...	1st Semester		
		SEM HRS	
DIG2500	Fundamentals of Interactive Media	3.00	
MAR2011	Principles of Global Marketing OR		
MAR2101	Social Media Marketing OR		
MAR2321	Advertising OR		
MKA2021	Sales Fundamentals	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
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	
RTV2104	Broadcast Research/Newswriting/Presentation Skills	3.00	Pre-Reqs: ENC1101
GRA2144	Web Publishing	3.00	Pre-Reqs: GRA1543 AND DIG2000 OR DIG2500
PGY2750	Introduction to Video Production	4.00	Pre-Reqs: PGY1115 AND PGY2650 OR PGY1800 AND DIG2500
RTV1510	Studio Television Production	3.00	Pre-Reqs: RTV1000 Conc-Reqs: RTV1510L
RTV1510L	Studio Television Production Lab	1.00	Pre-Reqs: RTV1000L Conc-Reqs: RTV1510
TOTAL	...	65.00	

> *Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.*

2015-2016 College Catalog. To view previous catalogs, please click here.

Interior Design Technology

─ Program Mission, Description, and Outcomes ─

Mission:
To provide students with quality training, practice and skill development necessary to progress in the diverse career opportunities available within the interior design field. The program seeks to provide unique learning opportunities through practical hands-on training, involvement in and from the design community, and a comprehensive curriculum to ensure a successful transition from student of interior design to practitioner of interior design.

Description:
The program provides a solid foundation in the principles and elements of design with an emphasis on design projects. Program concepts include characteristics and performance of textiles, selection and arrangement of furniture and accessories, computer-aided drafting, study and estimation of window treatments, wall surfaces, and flooring, space planning, materials and sources, barrier-free design, graphic presentation, history of architectural design and interiors and business management. In addition, students participate in various community projects, attend department field trips to regional design centers and participate with local professional chapters such as ASID (American Society of Interior Designers).

AS Certificate That Leads To This Degree:
The following AS Certificate is embedded within this degree: Interior Design Technology - Kitchen and Bath Specialization - 0816 . You may pursue the AS degree and also earn the AS certificate while completing the requirements for the degree, or pursue the AS certificate to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

Daytona State College is the only college in Florida that offers the unique opportunity for students to earn an Associate Level Certification with the Window Fashions Certification Program prior to graduation.

After earning the A.S. degree and gaining four years of work experience, graduates are eligible to take the National Council for Interior Design Qualification (NCIDQ) state exam to become a licensed interior designer. Graduates may secure entry-level positions with architectural firms, interior design studios or with related businesses specializing in interior furnishings. Types of employment include interior designer, design assistant, sales representatives, CAD operator, interior decorator, visual merchandiser, salesperson and space planner.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge of codes and problem solving skills through space planning utilizing hand and computer aided drawing techniques.
2. Identify and specify appropriate materials, techniques, and products for both residential and commercial design industries.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to codes, theory, and application.
4. Demonstrate knowledge and application of historical references regarding architecture and interiors through modern application.
5. Communicate effectively through written documents, drawings, and verbal presentations.
6. Demonstrate knowledge of interior design project management including creating design concepts, estimating materials, budgeting, and project billing.
7. Apply knowledge of hard and soft window treatments, appropriate applications, estimated costs, and installation methods.

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	SEM HRS
... ...	General Education Core - 15 Credits	
... ...	Communication Core (6 credits)	
ENC1101	Introduction to Composition	3.00

			SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00		Pre-Reqs: ENC1101

... ...	Mathematics Core (3 credits)		
... ...	Choose One Course		

		SEM HRS	
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: 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 MAT0022 OR MAT0028 OR MAT0056L

... ...	Social Sciences Core (3 credits)		
... ...	Choose One Course		

		SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ...	Humanities Core (3 credits)		

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
IND1432	Lighting for Interior Design	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	
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	3.00	
IND2210	Interior Design Studio II	3.00	Pre-Reqs: IND1021
IND2220	Commercial Interior Design	3.00	Pre-Reqs: IND1021
IND2501	Professional Practices	3.00	Pre-Reqs: IND1021
IND2608	Sustainable Design	3.00	
IND2949	Cooperative Education Experience in Interior Design	3.00	

... ...	Elective Courses (Choose 9 credits)		

		SEM HRS	
CGS2100	Microcomputer Applications	3.00	
DIG1109	Digital Imaging Fundamentals	3.00	
IND2410	Kitchen and Bath Design I	3.00	Pre-Reqs: BCN1251 AND HHD1321
IND2411	Materials and Estimating for Kitchen and Bath	3.00	
BCN1210	Materials and Processes	3.00	
IND2414	Kitchen and Bath Design II	3.00	Co-Reqs: ETD2320

Sample Program of Study

Course	Title		

... ...   First Year
... ...   1st Semester

		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 Interiors	3.00	

... ...   2nd Semester

		SEM HRS	
ENC1101	Introduction to Composition	3.00	
BCN1253	Architectural Drawing II	2.00	Pre-Reqs: BCN1251 Conc-Reqs: BCN1253L
BCN1253L	Architectural Drawing II Lab	1.00	Conc-Reqs: BCN1253
... ...	ELECTIVE	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	
... ...	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	

IND1432	Lighting for Interior Design	3.00	
IND2210	Interior Design Studio II	3.00	Pre-Reqs: IND1021
IND1935	Building and Barrier Free Codes	3.00	
IND2501	Professional Practices	3.00	Pre-Reqs: IND1021
IND2949	Cooperative Education Experience in Interior Design	3.00	
TOTAL	...	75.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1.Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Interior Design Technology - Kitchen and Bath Specialization

Program Information

A.S. Certificate - Code 0816 - Catalog 2015/2016
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

08/20/2015 M - 2122

Program Mission, Description, and Outcomes

Mission:
The program prepares students with quality training, practice and skill development necessary to progress in the interior design industry with a focus on kitchen and bath interiors. The program seeks to provide unique learning opportunities through practical hands-on training, involvement in and from the design community, and a comprehensive curriculum to ensure a successful transition from student of kitchen and bath design to practitioner of kitchen and bath design.

Description:
The program provides a solid foundation in the principles and elements of kitchen and bath design projects. Program concepts include charateristics and performance of materials, equipment, and fixtures for kitchen and bath design. Students will gain knowledge in the areas of computer-aided drafting, wall surfaces, flooring, space planning, barrier-free design, graphic presentation, history of architectural design and interiors and business management. in addition, students participate in various community projects, attend department field trips to regional design centers and participate with local professional chapters such as ASID (American Society of Interior Designers).

Graduates of the Kitchen and Bath specialization certificate can transfer all 39 certificate credits should they wish to pursue an AS degree in Interior Design Technology - 2070 at Daytona State College. Certificate completers also have an option to transfer up to 17 credits should they wish to pursue an AS degree in Architectural and Building Technology - 2219.

Graduates may secure entry-level positions with kitchen and bath showrooms, interior design studios, home improvement stores, or architectural firms. Graduates career options are kitchen designer, bath designer, industry representative, salesperson, drafting technician, or design assistant.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate knowledge of barrier free design, codes and problem solving skills through space planning utilizing hand and computer aided drawing techniques.
2. Identify and specify appropriate materials, techniques, and products for kitchen and bath interiors.
3. Demonstrate proficiency in all aspects of the industry, including but not limited to theory, codes and applications.
4. Communicate effectively through written documents, drawings, digital and verbal presentations.
5. Demonstrate knowledge of kitchen and bath history and project management including creating design concepts, estimating materials, budgeting, and project billing.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $4,075*
Access Fee: $192 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $500
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is three (3) semesters (45 weeks) for a full-time student, with no students graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) 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:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=271025&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	
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	
IND2608	Sustainable Design	3.00	
IND1300	Graphics of Interior Design I	3.00	
IND1432	Lighting for Interior Design	3.00	
IND1935	Building and Barrier Free Codes	3.00	
IND2410	Kitchen and Bath Design I	3.00	Pre-Reqs: BCN1251 AND HHD1321
IND2411	Materials and Estimating for Kitchen and Bath	3.00	
IND2414	Kitchen and Bath Design II	3.00	Co-Reqs: ETD2320
IND2501	Professional Practices	3.00	Pre-Reqs: IND1021
IND2949	Cooperative Education Experience in Interior Design	OR	
BCT2949	Cooperative Education Experience in Construction	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	First Semester		
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	
IND2608	Sustainable Design	3.00	
IND1300	Graphics of Interior Design I	3.00	
... ...	Second Semester		
IND2501	Professional Practices	3.00	Pre-Reqs: IND1021
IND1432	Lighting for Interior Design	3.00	
IND1935	Building and Barrier Free Codes	3.00	
IND2410	Kitchen and Bath Design I	3.00	Pre-Reqs: BCN1251 AND HHD1321
IND2411	Materials and Estimating for Kitchen and Bath	3.00	
... ...	Third 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
HHD1361	Practical Interior Applications	3.00	
IND2414	Kitchen and Bath Design II	3.00	Co-Reqs: ETD2320
BCT2949	Cooperative Education Experience in Construction OR		
IND2949	Cooperative Education Experience in Interior Design	3.00	
TOTAL	...	39.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Internet Services Technology

Program Information

A.S. Degree - Code 2005 - Catalog 2015/2016
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

08/26/2015 M - 2174

Program Mission, Description, and Outcomes

Mission:
The program prepares students to work in Internet, Intranet, and Extranet environments; installing, configuring, designing and managing Intranet and web-based resources. This program incorporates innovative teaching methods, uses the latest technology, thus encouraging student success. After completion, students may seek career jobs or transition into baccalaureate programs.

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. Students learn multiple web programming languages and web design tools.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: Information Technology Administration - 0902 ; Web Development Specialist - 0909. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

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.

General Education Courses

Course	Title	SEM HRS	
... ...	General Education Core - 15 Credits		
... ...	Communication Core (6 Credits)		
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core (3 Credits)		
MGF2106	Survey in Mathematics OR		

| | | | Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L |
| MAC1105*2 | College Algebra | 3.00 | Pre-Reqs: MAT1033 |

| ... ... | Social Sciences Core (3 Credits) | | |
| ... ... | Choose One Course | | |

		SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

| ... ... | Humanities Core (3 Credits) | | |
| ... ... | Choose One Course | | |

		SEM HRS	
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-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
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	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
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	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	**Title**		
		SEM HRS	
CET1600	Network Plus	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
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 AND CGS2820
EGS1000	Professional Performance for Technicians	3.00	
CET2154	A+ Computer Repair	4.00	
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
COP1000	Principles of Computer Programming	3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	

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: CGS2820
COP2842	Web Scripting (PHP)	3.00	Pre-Reqs: COP1000 AND CTS1851

... ...	Computer Elective (9) hours		
		SEM HRS	
... ...	Computer Elective	3.00	
... ...	Computer Elective	3.00	
... ...	Computer Elective	3.00	

... ...	Computer Elective (9 hrs) - CHOOSE FROM:		
		SEM HRS	
CEN2002	Software Design and Development I	3.00	Pre-Reqs: COP2220 OR COP2001 OR COP2700 AND COP2800
CTS2306*I*	Microsoft Windows Professional	4.00	
CTS2321*I*	Linux Fundamentals	4.00	
COP2805	Advanced Computer Programming "Java"	3.00	
DIG1109	Digital Imaging Fundamentals	3.00	
CTS2141	Advanced C++ and Direct X Programming	3.00	Pre-Reqs: COP2001
CAP2023	Introduction to Game Programming	3.00	Pre-Reqs: COP1000

Sample Program of Study

Course	Title		

... ...	First Year		
... ...	1st Semester		
		SEM HRS	
EGS1000	Professional Performance for Technicians	3.00	
... ...	Mathematics Core	3.00	
CTS1851	Internet Web Foundations (HTML, CSS)	3.00	
COP1000	Principles of Computer Programming	3.00	
CET2154	A+ Computer Repair	4.00	

... ...	2nd Semester		
		SEM HRS	
DIG2100	Web Design I	3.00	Pre-Reqs: CTS1851 OR DIG1109
CET1600	Network Plus	3.00	
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
ENC1101	Introduction to Composition	3.00	

... ...	Summer Semester		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Social Sciences Core	3.00	

				SEM HRS	
... ...		Second Year			
... ...		1st Semester			
... ...		Humanities 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 AND CGS2820
... ...		Computer Elective		3.00	

				SEM HRS	
... ...		2nd Semester			
CIS2949		Cooperative Education Experience in Computer and Information Systems		2.00	
... ...		Computer Elective		3.00	
... ...		Computer Elective		3.00	
COP2850		Web Programming Project		3.00	Pre-Reqs: CGS2820
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.

2. Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Machining

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. The program provides access to the vocational student with the latest technological equipment and methods. The program embraces diversity, equal access, and equal opportunity for training in the local, state manufacturing market.

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 industrial workplace.
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: $123 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $380
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 (30 weeks) (summer session doesn't often make) for a full-time student, with 29% graduating within 2 semesters for 2012-13. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at %100.

51-4041.00 Machinists http://www.onetonline.org/link/summary/51-4041.00Green

For additional information on wages, trends and career videos:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=514041&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	
... ...	Incomplete Information		
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	Pre-Reqs: PMT0211 Conc-Reqs: PMT0215L
PMT0215L	Precision Machining II Lab	2.00	Pre-Reqs: PMT0211L 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	Pre-Reqs: PMT0251 Conc-Reqs: PMT0255L
PMT0255L	CNC Operations II Lab	2.00	Pre-Reqs: PMT0251L 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	Pre-Reqs: PMT0260 Conc-Reqs: PMT0265L
PMT0265L	CAD/CAM Programming II Lab	2.00	Pre-Reqs: PMT0260L Conc-Reqs: PMT0265
PMT0720	Computer Numerical Control (CNC) III	1.00	Pre-Reqs: PMT0255 AND PMT0251 Conc-Reqs: PMT0720L
PMT0720L	Computer Numerical Control (CNC) III Lab	2.00	Pre-Reqs: PMT0251L AND PMT0255L Conc-Reqs: PMT0720
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	VOC HRS	
... ...	1st Semester		
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	Pre-Reqs: PMT0211 Conc-Reqs: PMT0215L
PMT0215L	Precision Machining II Lab	2.00	Pre-Reqs: PMT0211L Conc-Reqs: PMT0215
PMT0255	CNC Operations II	1.00	Pre-Reqs: PMT0251 Conc-Reqs: PMT0255L
PMT0255L	CNC Operations II Lab	2.00	Pre-Reqs: PMT0251L Conc-Reqs: PMT0255
... ...	2nd Semester		
PMT0720	Computer Numerical Control (CNC) III	1.00	Pre-Reqs: PMT0255 AND PMT0251 Conc-Reqs: PMT0720L
PMT0720L	Computer Numerical Control (CNC) III Lab	2.00	Pre-Reqs: PMT0251L AND PMT0255L Conc-Reqs: PMT0720
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	Pre-Reqs: PMT0260 Conc-Reqs: PMT0265L
PMT0265L	CAD/CAM Programming II Lab	2.00	Pre-Reqs: PMT0260L 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

TOTAL   VOC. HRS.   25.00
TOTAL   CONTACT HRS.   750.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Marketing, Sales and Service - Entrepreneurship

Program Information

A.S. Certificate - Code 0817 - Catalog 2015/2016
John Weiss, Assistant Chair, 386-506-3792, weissj@daytonastate.edu
School of Business Admin., 386-506-4227

08/20/2015 M - 2133

Program Mission, Description, and Outcomes

Mission:
The mission of the Marketing, Sales, and Service - Entrepreneurship Certificate is to provide a quality education that prepares the successful student to work in a marketing environment.

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 strategies.

Outcomes:
Graduates of the program will be able to:
1. Identify various marketing strategies or service techniques.
2. Demonstrate effective communication via marketing strategy.
3. Plan the components of a marketing strategy.
4. Develop a business plan.

Credits earned in this certificate may be applied toward the A.S. degree in Business Administration or AA degree.

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: $59 ($4.93 per credit)
Assessment Fee: $35
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

- Program specific courses require a "C" or better.

Careers

Program Length: The typical length of this program is two (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. Credits earned in this program may also be applied toward the electives for an AA degree or the occupational/technical credits required for the BAS program.

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
SBM2000	Small Business Management	3.00
... ...	Business Elective Choose Two (6 credits)	

		SEM HRS
MAR2101	Social Media Marketing	3.00
MAR2321	Advertising	3.00
MKA2021	Sales Fundamentals	3.00
MNA2161	Quality Service Management	3.00

Sample Program of Study

Course	**Title**	
... ...	1st Semester	
		SEM HRS
MAR2011	Principles of Global Marketing	3.00
... ...	Business Elective Choose One (3 credits)	
		SEM HRS
MAR2101	Social Media Marketing	3.00
MAR2321	Advertising	3.00
MKA2021	Sales Fundamentals	3.00
MNA2161	Quality Service Management	3.00
... ...	2nd Semester	
		SEM HRS
SBM2000	Small Business Management	3.00
... ...	Business Elective Choose One (3 credits)	
		SEM HRS
MAR2101	Social Media Marketing	3.00
MAR2321	Advertising	3.00
MKA2021	Sales Fundamentals	3.00
MNA2161	Quality Service Management	3.00
TOTAL	...	12.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Massage Therapy (Limited Access Program)

Massage Therapy (Limited Access Program)

Program Information

Vocational Certificate - Code 1124/1024 - Catalog 2015/2016
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

08/20/2015 M - 2106

Program Mission, Description, and Outcomes

Mission:
The mission of the Massage Therapy Program is to sustain health and wellness in the community. Our philosophy explores the connection of the mind, body, and spirit. The curriculum model is grounded in eastern theory and 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 Massage and Bodywork Licensure Examination (MBLEX). This is required for licensure in the State of Florida as well as several other stated. 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 clinical orientation.
Job title: Massage Therapist

Outcomes:
Graduates of the program will be able to:
1. Evaluate the health care delivery system and differentiate between various health occupations
2. Demonstrate 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. Apply the principles hydrotherapy and apply the modality therapeutically
9. Demonstrate 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: $123 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $57
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.

- Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high

school diploma and active duty military are exempt from any placement testing. Applicants that have successfully completed college level English and/or Math may be exempt from placement testing also. All other applicants must take the TABE test and must achieve a 10th grade level in Reading and English and a 9th grade level in Math.

-Submit completed application for continuing enrollment to the School of Health Careers.

- 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 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 (30 weeks) for a full-time student, with 63% graduating within 2 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 57%.

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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Medical Assisting (Limited Access Program)

Medical Assisting (Limited Access Program)

── Program Mission, Description, and Outcomes ──────────────────────────

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.

Program Accreditation: 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 AAMA, 20 N. Wacker Dr., Ste. 1575, Chicago, IL 60606; (312) 899-1500

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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.

── Approximate Additional Costs ──────────────────────────

Program Tuition and Fees: $3,636*
Access Fee: $214 ($4.93 per credit)
Assessment Fee: $35
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.

- High School Diploma or equivalent (GED).

- Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing. Those applicants that have successfully completed college level English and/or Math may be exempt as well. All other applicants will be required to take the TABE test and must achieve a 10th grade level or higher on each section of the TABE test.

- Submit completed application for continuing enrollment to the School of Health Careers.

- 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.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student, with 95% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 67%.

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: MEA0230 AND MEA0204 AND MEA0231 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: MEA0242 AND MEA0310 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: MEA0242 AND MEA0256 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 MEA0204 AND MEA0231 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: MEA0242 AND MEA0256 AND MEA0310

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: MEA0230 AND MEA0204 AND MEA0231 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: MEA0242 AND MEA0256 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 MEA0204 AND MEA0231 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: MEA0242 AND MEA0310 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: MEA0242 AND MEA0256 AND MEA0310

TOTAL	VOC. HRS.	43.33
TOTAL	CONTACT HRS.	1300.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Medical Information Coder Biller (Limited Access Program)

Program Information

A.S. Certificate - Code 1912/0912 - Catalog 2015/2016
Linda Moss, Faculty, 386-506-3756, mossl@daytonastate.edu
Regina Weber, Assistant Chair, 386-506-3748,
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

08/20/2015 M - 2134

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: $182 ($4.93 per credit)
Assessment Fee: $35
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 (Introduction to Composition). 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. Applicants that graduated from a Florida public high school after the year 2003 and earned a Standard High School diploma are not required to take the placement test. Those applicants that have successfully completed college level English and/or Math may be exempt from placement testing. All other applicants are required to take the Postsecondary Education Readiness Test (PERT) and be at the 10th grade level for reading, language and arithmetic.

- 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. 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.

The Medical Information Coder Biller AS Certificate is fully embedded in the AS Degree Health Information Technology Program. Classes taken for the Medical Information Coder Biller Program can be applied towards the Health Information Technology AS Degree.

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.

Program Length: The typical length of this program is three (3) semesters (45 weeks) for a full-time student, with 58% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 100%.

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	
... ...	Communication Core (3 credits)	
ENC1101	Introduction to Composition	3.00
... ...	Natural Sciences Core (3 credits)	
BSC1020	Human Biology	3.00

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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-10-CM Coding	3.00	Co-Reqs: HIM1000 Pre-Reqs: HSC1531 Conc-Reqs: HIM1222L
HIM1222L	Beginning ICD-10-CM Coding Lab	1.00	Conc-Reqs: HIM1222
HIM1273	Billing and Reimbursement Methods	2.00	Pre-Reqs: HIM1222 AND HIM1222L AND HIM2253
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
HIM2500	Quality Assurance and Compliance	2.00	Pre-Reqs: HIM1000
HIM2652	Electronic Health Record	2.00	Pre-Reqs: HIM1000 AND HIM1222 AND HIM2253 AND HIM1273
HIM2800	Coding Professional Practice Experience I	1.00	Pre-Reqs: HIM2253

Sample Program of Study

Course	**Title**		
... ...	Prerequisite Course		
		SEM HRS	
HSC1531	Medical Terminology	4.00	
... ...	1st Semester - Spring		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
BSC1020	Human Biology	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-10-CM Coding	3.00	Co-Reqs: HIM1000 Pre-Reqs: HSC1531 Conc-Reqs: HIM1222L
HIM1222L	Beginning ICD-10-CM Coding Lab	1.00	Conc-Reqs: HIM1222
... ...	2nd Semester - Summer		
		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
HIM2652	Electronic Health Record	2.00	Pre-Reqs: HIM1000 AND HIM1222 AND HIM2253 AND HIM1273
... ...	3rd Semester - Fall		
		SEM HRS	
HIM1273	Billing and Reimbursement Methods	2.00	Pre-Reqs: HIM1222 AND HIM1222L AND HIM2253
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
HIM2500	Quality Assurance and Compliance	2.00	Pre-Reqs: HIM1000
HIM2800	Coding Professional Practice Experience I	1.00	Pre-Reqs: HIM2253
TOTAL	...	37.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Medical Record Transcribing

Program Information

Applied Tech. Diploma - Code 0920 - Catalog 2015/2016
Regina Weber, Assistant Chair, 386-506-3748,
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

08/26/2015 M - 2144

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: $163 ($4.93 per credit)
Assessment Fee: $35
Lab Fees (including liability insurance): $163

*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).

- Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing. Those applicants that have successfully completed college level English and/or Math may be exempt from placement testing. All other applicants are required to take the Postsecondary Education Readiness Test (PERT) and be at the 10th grade level for reading, language and arithmetic. The student must show successful completion of MAT0028/0028L (Elementary Algebra and Lab.

- 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 (45 weeks) for a full-time student, with no students graduating within 3 semesters for 2013-14. (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 (2012-13) for this field at 50%.

For additional career information, please see:
http://www.onetonline.org/link/summary/31-9094.00

General Education Courses

Course	Title	SEM HRS	
... ...	General Education Core - 11 Credits		
... ...	Communication Core (3 credits)		
ENC1101	Introduction to Composition	3.00	
... ...1	Natural Sciences Core (8 credits)		
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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	
OST1141	Keyboarding	1.00	
OST1711	Word Processing I	3.00	Pre-Reqs: OST1141 OR OST1100
OST2461	Medical Office Procedures	3.00	Pre-Reqs: OST1100

Sample Program of Study

Course	Title	SEM HRS	
HIM1031	Medical Record Transcription I	1.00	Pre-Reqs: HSC1531 AND OST1100 Conc-Reqs: HIM1031L
... ...	1st Semester - Summer		
ENC1101		3.00	

	Introduction to Composition		
HSC1531	Medical Terminology	4.00	
OST1141	Keyboarding	1.00	

... ...	2nd Semester - Fall		
		SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
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 II 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
OST1711	Word Processing I	3.00	Pre-Reqs: OST1141 OR OST1100
OST2461	Medical Office Procedures	3.00	Pre-Reqs: OST1100

TOTAL	...	33.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Microcomputer Repairer/Installer

Program Information

A.S. Certificate - Code 0907 - Catalog 2015/2016
Anindya Paul, Chair, 386-506-4155, paula@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/20/2015 M - 2129

Program Mission, Description, and Outcomes

Mission:
The certificate program provides a basic understanding of microcomputer architecture, electrical circuits and network analysis. The program is aligned with the industry standards and prepares students for further education and careers in the manufacturing cluster. The program incorporates innovative teaching methods, uses latest technology, thus encouraging student success.

Description:
The certificate program in Microcomputer Repair/Installer provides the student a thorough understanding of the computer hardware and software, microcomputers and computer system architecture. The program provides a general electronics background, prepares student to pass A+ certification exams and user support skills. Program courses transitions directly into Associate of Science in Computer Engineering Technology and other Associate degree programs.

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: $74 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $105
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 85%.

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	
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
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
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
CET2949	Cooperative Education Experience in Computer Engineering Technology	1.00	

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
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
... ...	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
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 Engineering Technology	1.00	
TOTAL	...	15.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Music Production Technology (Audio/Recording)

Program Information

A.S. Degree - Code 2209 - Catalog 2015/2016
Douglas Peterson, Chairperson, SMEA, 386-506-3276, petersd@DaytonaState.edu
Susan Pate, Associate Vice President, pates@daytonastate.edu
Jake Niceley, 386-226-1914, nicelej@daytonastate.edu

03/31/2015 M - 1987

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.

AS Certificate That Leads To This Degree:
The following AS Certificate is embedded within this degree: Audio/Recording Technology - 0818 . You may pursue the AS degree and also earn the AS certificate while completing the requirements for the degree, or pursue the AS certificate to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

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		
... ...	Communication Core (9 credits)		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Social Sciences Core - Choose One		
		SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101
... ...	Humanities Core (3 credits)		
... ...	Choose One Course		
		SEM HRS	
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-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
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	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
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
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title

... ... "C" or better is required.

Course	Title	SEM HRS	
MUM1610	Survey of Recording Technology	3.00	
MUM2600	Audio Engineering I	3.00	Co-Reqs: MUM2600L Pre-Reqs: MUM1610
MUM1622	Sound Reinforcement	3.00	Co-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	

... ... Program Specific Electives - Choose Two (6 Hours)

Course	Title	SEM HRS	
MUC2601	Introduction to Songwriting	3.00	Pre-Reqs: MUT1001 OR MUT1121
MUM2611	Live Recording Techniques	3.00	Pre-Reqs: MUM1622
MUM2677	Sound Reinforcement II	3.00	Pre-Reqs: MUM1610 AND MUM1622
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
MUS1621	Acoustics and Psychoacoustics	3.00	Pre-Reqs: MUM2601
... ...	Ensemble Electives	4.00	

Sample Program of Study

Course	Title		

... ... FIRST YEAR

... ... 1st Semester

Course	Title	SEM HRS	
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core	3.00	
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	Writing with Research	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		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Humanities Core	3.00	
... ...	SECOND YEAR		
... ...	3rd Semester		
		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		
		SEM HRS	
... ...	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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Network Communications (LAN)

Program Information

A.S. Certificate - Code 0923 - Catalog 2015/2016
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

08/26/2015 M - 2164

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. This program incorporates innovative teaching methods using the latest technology, thus improving student knowledge and encouraging their success.

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. Program courses transfer directly into other Associate of Science degree programs.

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: $89 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $90
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is three (3) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 82%.

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	3.00	
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
EET1607	Electronics Assembly and Cabling	2.00	Conc-Reqs: EET1607L
EET1607L	Electronics Assembly and Cabling Lab	1.00	Conc-Reqs: EET1607
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
CET1600	Network Plus	3.00	
EGS1000	Professional Performance for Technicians	3.00	
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
... ...	**2nd Semester**		
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
EET1607	Electronics Assembly and Cabling	2.00	Conc-Reqs: EET1607L
EET1607L	Electronics Assembly and Cabling Lab	1.00	Conc-Reqs: EET1607
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615
TOTAL	...	18.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Network Communications (WAN)

Program Information

A.S. Certificate - Code 0924 - Catalog 2015/2016
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

08/26/2015 M - 2165

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. This program incorporates innovative teaching methods using the latest technology, thus improving student knowledge and encouraging their success.

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. Program courses transfer directly into other Associate of Science degree programs.

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: $89 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $90
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 89%.

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	
CET1600	Network Plus	3.00	
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
CET2620	Cisco Wide Area Network (WAN)	3.00	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
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
CET1600	Network Plus	3.00	
EET1607	Electronics Assembly and Cabling	2.00	Conc-Reqs: EET1607L
EET1607L	Electronics Assembly and Cabling Lab	1.00	Conc-Reqs: EET1607
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
... ...	2nd Semester		
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
COP1000	Principles of Computer Programming	3.00	
TOTAL	...	18.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Network Infrastructure

Program Information

A.S. Certificate - Code 0922 - Catalog 2015/2016
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

08/26/2015 M - 2166

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, networking fundamentals and troubleshooting, and network communications. This program incorporates innovative teaching methods, uses the latest technology, thus encouraging student success.

Description:
The certificate program provides students with the knowledge and skills necessary to install, configure and maintain simple networks. The program includes networking fundamentals, routing concepts and protocols along with router configuration skills. The students can take the CCNA exam, if they wish to, after completing the courses. 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. Program courses transfer directly into Associate of Science Network Systems Technology and other Associate degree programs.

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: $1,254*
Access Fee: $104 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $15
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 76%.

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:

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	
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
CET1600	Network Plus	3.00	
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
CET2850	Wireless and Mobile Security	3.00	Pre-Reqs: CET1600
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
CET1600	Network Plus	3.00	
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
EGS1000	Professional Performance for Technicians	3.00	
... ...	2nd Semester		
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
CET2850	Wireless and Mobile Security	3.00	Pre-Reqs: CET1600
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615
TOTAL	...	21.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Network Server Administration

── Program Mission, Description, and Outcomes ──

Mission:
The certificate program prepares the student to plan, install, configure, troubleshoot and monitor computer networks. Students will also be able to understand, plan, manage and implement security in a networked environment. This program incorporates innovative teaching methods, uses the latest technology, thus encouraging student success.

Description:
The certificate program in Network Server Adminstration prepares the students to plan, install, configure, and monitor computer networks in a LAN/WAN environment. Students will have a good background in networking fundamentals and capable of maintaining and supporting a small network. Program courses transfer directly into Associate of Science Network Systems Technology and other Associate degree programs.

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. Plan and perform internetworking administration, management, and other activities.
4. 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: $3,134*
Access Fee: $118 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $15
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

── 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.

Program Length: The typical length of this program is three (3) semesters (30 weeks) for a full-time student, with 25% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) 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:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=113021&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	3.00	
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
CET1600	Network Plus	3.00	
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3.00	
EGS1000	Professional Performance for Technicians	3.00	
CTS2302	Microsoft Windows Active Directory Services	3.00	Pre-Reqs: CTS2328
CTS2328	Managing and Maintaining a Windows Network Environment	3.00	
CTS2310	Designing Windows Network Security	3.00	Pre-Reqs: CET1600

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
EGS1000	Professional Performance for Technicians	3.00	
CTS2306	Microsoft Windows Professional	3.00	
CET1600	Network Plus	3.00	
... ...	**2nd Semester**		
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3.00	
CTS2328	Managing and Maintaining a Windows Network Environment	3.00	
CTS2302	Microsoft Windows Active Directory Services	3.00	Pre-Reqs: CTS2328
CTS2310	Designing Windows Network Security	3.00	Pre-Reqs: CET1600
TOTAL	...	24.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Network Support Technician

Program Information

A.S. Certificate - Code 0906 - Catalog 2015/2016
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Timothy Pintello, Assistant Chair, 386-506-4126, pintelt@DaytonaState.edu
Linda Sullivan, 386-506-4154, sullivi@daytonastate.edu

08/20/2015 M - 2124

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. This program incorporates innovative teaching methods using the latest technology, thus improving student knowledge and encouraging their success.

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. Program courses transfer directly into Associate of Science Network Systems Technology and other Associate degree programs.

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: $104 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $105
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 96%.

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	3.00	
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
CET1600	Network Plus	3.00	
CET2154	A+ Computer Repair	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
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	**1st Semester**		
CET2154	A+ Computer Repair	4.00	
CET1600	Network Plus	3.00	
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	
... ...	**2nd Semester**		
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
CTS2306	Microsoft Windows Professional	3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	
TOTAL	...	21.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Network Systems Technology

Program Information

A.S. Degree - Code 2002 - Catalog 2015/2016
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

08/26/2015 M - 2175

Program Mission, Description, and Outcomes

Mission:
The program 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. Student success is encouraged by using innovative teaching methods. After completion, students may seek career jobs or transition into baccalaureate programs.

Description:
The Network SystemsTechnology 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. After completion, students may seek career jobs or transition into baccalaureate programs.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: Advanced Network Infrastructure - 0908 ; Network Infrastructure - 0922; Network Server Administration - 0904; Network Support Technician - 0906; Wireless Communications - 0925; Network Communications (WAN) - 0924; Network Communications (LAN) - 0923. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

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: Refer to course descriptions in the current college catalog.

General Education Courses

Course	Title	SEM HRS	
... ...	General Education Core - 15 Credits		
... ...	Communication Core (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

		Mathematics Core (3 credits)		

			SEM HRS	
MGF2106	Survey in Mathematics OR			Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105l	College Algebra		3.00	Pre-Reqs: MAT1033

		Social Sciences Core (3 credits)		
... ...		Choose One Course		

			SEM HRS	
DEP2004	Developmental Psychology		3.00	
PSY1012	General Psychology		3.00	
SYG2000	Introduction to Sociology		3.00	Co-Reqs: ENC1101

		Humanities Core (3 credits)		
... ...		Choose One Course		

			SEM HRS	
AML2050	Modern American Literature		3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature		3.00	Pre-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
HUM2230	Renaissance to Postmodern Humanities		3.00	Pre-Reqs: ENC1101
HUM2210	Prehistory to Medieval Humanities		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
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
THE1000	Theatre Appreciation		3.00	Co-Reqs: ENC1101
MUL2380	Popular Music in America		3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title		SEM HRS	
CTS2306	Microsoft Windows Professional		3.00	
CET2154	A+ Computer Repair		4.00	
CTS2328	Managing and Maintaining a Windows Network Environment		3.00	
CET2850	Wireless and Mobile Security		3.00	Pre-Reqs: CET1600
CET2660	Fundamentals of Network Security		3.00	Pre-Reqs: CET1600
CTS2370	Virtualization Infrastructure: Installation and Configuration		3.00	Pre-Reqs: CET1600 AND CTS2321
COP1000	Principles of Computer Programming		3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems		2.00	
CTS2321	Linux Fundamentals		3.00	
CET1600	Network Plus		3.00	

CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
EGS1000	Professional Performance for Technicians	3.00	
... ...	Computer Elective (Choose 12credit hours)		

| ... ... | Recommended Security Concentration Electives | | |

SEM HRS

CGS2840	Cryptology	3.00	Pre-Reqs: CET1600
CIS2381	Foundations of Digital Forensics	3.00	Pre-Reqs: CET1600 AND CTS2321
CNT2402	Certified Ethical Hacker	3.00	Pre-Reqs: CET1600

| ... ... | Computer Elective (3 Hrs.) - Any from the List | | |
| ... ... | Recommended CISCO Concentration Electives | | |

SEM HRS

CET2615	Advanced Cisco Router Configuration	3.00	Pre-Reqs: CET1600
CET2620	Cisco Wide Area Network (WAN)	3.00	Pre-Reqs: CET2615
CET2625	Building Scalable Cisco Internetworks	3.00	Pre-Reqs: CET2615

| ... ... | Computer Elective (3 Hrs.) - Any from the List | | |

SEM HRS

... ...	Recommended Windows Concentration Electives		
CTS2310	Designing Windows Network Security	3.00	Pre-Reqs: CET1600
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3.00	
CTS2302	Microsoft Windows Active Directory Services	3.00	Pre-Reqs: CTS2328

| ... ... | Computer Elective (3 Hrs.) - Any from the List | | |
| ... ... | Computer Electives List | | |

SEM HRS

EET1607	Electronics Assembly and Cabling	2.00	Conc-Reqs: EET1607L
EET1607L	Electronics Assembly and Cabling Lab	1.00	Conc-Reqs: EET1607
CTS2311	Linux Networking and Security	3.00	Pre-Reqs: CTS2321
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 OR	1.00	Conc-Reqs: COP2001
COP2800	Computer Programming "Java"	3.00	Pre-Reqs: COP1000

Sample Program of Study

Course	Title		
... ...	First Year		
... ...	1st Semester		

SEM HRS

ENC1101	Introduction to Composition	3.00
EGS1000	Professional Performance for Technicians	3.00
CET2154	A+ Computer Repair	4.00
COP1000	Principles of Computer Programming	3.00
... ...	Social Sciences Core	3.00

| ... ... | 2nd Semester | |

SEM HRS

| CET1600 | Network Plus | 3.00 |

CTS2321	Linux Fundamentals	3.00	
CTS2306	Microsoft Windows Professional	3.00	
... ...	Humanities Core	3.00	
... ...	Mathematics Core	3.00	
... ...	Summer Semester		
		SEM HRS	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Second Year		
... ...	1st Semester		
		SEM HRS	
... ...	Concentration	3.00	
... ...	Concentration	3.00	
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
CTS2370	Virtualization Infrastructure: Installation and Configuration	3.00	Pre-Reqs: CET1600 AND CTS2321
CET2850	Wireless and Mobile Security	3.00	Pre-Reqs: CET1600
... ...	2nd Semester		
		SEM HRS	
CTS2328	Managing and Maintaining a Windows Network Environment	3.00	
... ...	Concentration	3.00	
CET2660	Fundamentals of Network Security	3.00	Pre-Reqs: CET1600
... ...	Computer Elective	3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	
TOTAL	...	63.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

---Notes---

1. Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Nursing (Associate Degree) (Limited Access Program)

Nursing (Associate Degree) (Limited Access Program)

Program Information

A.S. Degree - Code 2171/2071 - Catalog 2015/2016
Linda Vought, Office Assistant, 386-506-3250, voughtl@DaytonaState.edu
Patricha Dabney, Staff Assistant, 386-506-3069, dabneyp@daytonastate.edu
Dr. Linda Miles, Chair, 386-506-3720, milesl@daytonastate.edu

08/26/2015 M - 2152

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 Daytona State College's bachelor of science in nursing (BSN) degree program.

Program Accreditation: The associate degree nursing program is accredited by the Accreditation Commission for Education in Nursing . Information about tuition, fees and program length also may be obtained from the Accreditation Commission for Education in Nursing (ACEN) 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326 or call 404 975-5000.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

Program Outcomes:
1. The NCLEX licensure exam three-year mean 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 employers will express satisfaction with graduate preperation.
5. Seventy five percent of associate degree nursing graduates will obtain employment as a registered nurse within six to twelve 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

Nursing Laboratory and Technology Fees (including liability insurance): Average $250 per semester
Textbooks: $1,000
Uniforms: $150
Laboratory Supplies: $225
NCLEX Exam: $435
FDLE/FBI Background Check: $90

- 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.

- 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 following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: ENC 1101 (Introduction to Composition); MGF 2106 (Survey in Mathematics) OR MAC 1105 (College Algebra); PSY 1012 (General Psychology); 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.

- Completion of the Test of Essential Academic Skills (TEAS IV) with minimum adjusted individual total score of 75 percentile and 65 percentile mathematics and reading or TEAS V with minimum adjusted individual total score of 59 percentile and 63 percentile mathematics and 69 percentile reading is required for continuing enrollment approval.

- Completion of health screening to include: recent physical examination; verification of immunization against influenza, 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.

-Courses must be taken in the sequence published in the sample program of study.

General Education Courses

Course	Title	SEM HRS	
... ...	General Education Core - 26 Credits		
... ...	Communication Core (9 credits)		
ENC1101	Introduction to Composition	3.00	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...1	Natural Sciences Core (8 credits)		

			SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00		Co-Reqs: 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		Conc-Reqs: BSC1085
BSC1086	Human Anatomy and Physiology II	3.00		Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00		Conc-Reqs: BSC1086

... ...	Humanities Core (3 credits)		
... ...	Choose One Course		

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

... ...	Social Sciences Core (3 credits)		

		SEM HRS	
PSY1012	General Psychology	3.00	

... ...	Additional Required Courses - 4 Credits		

		SEM HRS	
MCB1010	Microbiology	3.00	Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L
MCB1010L	Microbiology Lab	1.00	Conc-Reqs: MCB1010

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	**SEM HRS**	
NUR1010	Foundations of Nursing Practice	3.00	Co-Reqs: BSC1086L AND MCB1010 AND MCB1010L AND NUR1005 AND BSC1086 AND NUR1020 Pre-Reqs: MGF2106 OR BSC1085 AND BSC1085L AND PSY1012 AND ENC1101 AND MAC1105
NUR1020	Nursing Process I	3.00	Co-Reqs: BSC1086L AND BSC1086 AND MCB1010 AND NUR1010 AND MCB1010L Pre-Reqs: MGF2106 OR BSC1085 AND BSC1085L AND PSY1012 AND ENC1101 AND MAC1105 Conc-Reqs: NUR1020L
NUR1020L	Nursing Process I Lab	4.00	Conc-Reqs: NUR1020
NUR1423	Nursing Process II	2.00	Co-Reqs: NUR1230 AND NUR1230L Pre-Reqs: NUR1005 OR NUR1010 AND NUR1020 AND ENC1101 Conc-Reqs: NUR1423L
NUR1423L	Nursing Process II Lab	2.00	Conc-Reqs: NUR1423
NUR1230	Nursing Process III	3.00	Co-Reqs: NUR1423 AND NUR1423L AND ENC1101 Pre-Reqs: NUR1010 AND NUR1020 AND NUR1020L 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		6.00	Conc-Reqs: NUR2940

Nursing Process V
Lab

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester (Prerequisite Courses)		
ENC1101	Introduction to Composition	3.00	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
PSY1012	General Psychology	3.00	
... ...	2nd Semester	SEM HRS	
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086
MCB1010	Microbiology	3.00	Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L
MCB1010L	Microbiology Lab	1.00	Conc-Reqs: MCB1010
NUR1010	Foundations of Nursing Practice	3.00	Co-Reqs: BSC1086L AND MCB1010 AND MCB1010L AND NUR1005 AND BSC1086 AND NUR1020 Pre-Reqs: MGF2106 OR BSC1085 AND BSC1085L AND PSY1012 AND ENC1101 AND MAC1105
NUR1020	Nursing Process I	3.00	Co-Reqs: BSC1086L AND BSC1086 AND MCB1010 AND NUR1010 AND MCB1010L Pre-Reqs: MGF2106 OR BSC1085 AND BSC1085L AND PSY1012 AND ENC1101 AND MAC1105 Conc-Reqs: NUR1020L
NUR1020L	Nursing Process I Lab	4.00	Conc-Reqs: NUR1020
... ...	3rd Semester	SEM HRS	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
NUR1423	Nursing Process II	2.00	Co-Reqs: NUR1230 AND NUR1230L Pre-Reqs: NUR1005 OR NUR1010 AND NUR1020 AND ENC1101 Conc-Reqs: NUR1423L
NUR1423L	Nursing Process II Lab	2.00	Conc-Reqs: NUR1423
NUR1230	Nursing Process III	3.00	Co-Reqs: NUR1423 AND NUR1423L AND ENC1101 Pre-Reqs: NUR1010 AND NUR1020 AND NUR1020L Conc-Reqs: NUR1230L
NUR1230L	Nursing Process III Lab	4.00	Conc-Reqs: NUR1230
... ...	4th 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
... ...	5th Semester		

		SEM HRS	
... ...	Humanities 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 fulfull elective hours as appropriate. Both courses must be successfully completed to satisfy the biological sciences core requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Nursing (Transition Into Profession) (Limited Access Program)

Nursing (Transition Into Profession) (Limited Access Program)

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 Daytona State College's bachelor of science in nursing (BSN) degree program.

Program Accreditation: The associate degree nursing program is accredited by the Accreditation Commission for Education in Nursing. Information about tuition, fees and program length also may be obtained from the Accreditation Commission for Education in Nursing (ACEN) 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326 or call 404 975-5000.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

Outcomes:
1. The NCLEX licensure exam three-year mean 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 five semester time frame.
3. Seventy five percent of associate degree nursing graduates will express satisfaction with their program of study.
4. Seventy five percent of employers will express satisfaction with graduate preperation.
5. Seventy five percent of associate degree nursing graduates will obtain employment as a registered nurse within six to twelve 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

Nursing Lab Fees (including liability insurance): Average $250 per semester
Textbooks: $900
Uniforms: $150
Laboratory Supplies: $181
NCLEX Exam: $435
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.

- 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.

- Cumulative grade point average of 2.5 or better is the minimum required for consideration for continuing enrollment.

- 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 have acquired the skills to practice as a Certified Nursing Assistant through work experience, program of study, review program or provide evidence of a current Certified Nursing Assistant license in Florida.

- Completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: ENC 1101 (Introduction to Composition); MGF 2106 (Survey in Mathematics) OR MAC 1105 (College Algebra); BSC 1085/1085L (Human Anatomy and Physiology I and Lab); and PSY 1012 (General Psychology).

- Completion of the Test of Essential Academic Skills (TEAS IV) with minimum adjusted individual total score of 75 percentile and 65 percentile mathematics and reading or TEAS V with minimum adjusted individual total score of 59 percentile and 63 percentile mathematics and 69 percentile reading is required for continuing enrollment approval.

- Completion of health screening to include: recent physical examination; verification of immunization against influenza, 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.

- 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.

- 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.

-Courses must be taken in the sequence published in the sample program of study.

General Education Courses

Course	Title	SEM HRS
... ...	General Education Core - 26 Credits	
... ...	Communication Core (9 credits)	
ENC1101	Introduction to Composition	3.00

| ENC1102 | Writing with Research | 3.00 | Pre-Reqs: ENC1101 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3.00 | Pre-Reqs: ENC1101 |

... ...	Mathematics Core (3 credits)		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033

... ...1	Natural Sciences Core (8 credits)		
		SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086

... ...	Humanities Core (3 credits)		
... ...	Choose One Course		
		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

... ...	Social Sciences Core (3 credits)		
		SEM HRS	
PSY1012	General Psychology	3.00	

... ...	Additional Required Courses - 4 Credits		
		SEM HRS	
MCB1010	Microbiology	3.00	Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L
MCB1010L	Microbiology Lab	1.00	Conc-Reqs: MCB1010

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title		
		SEM HRS	
NUR1010	Foundations of Nursing Practice	3.00	Co-Reqs: BSC1086L AND MCB1010 AND MCB1010L AND NUR1005 AND BSC1086 AND NUR1020 Pre-Reqs: MGF2106 OR BSC1085 AND BSC1085L AND PSY1012 AND ENC1101 AND MAC1105
NUR1005	Transition into Professional Nursing	3.00	Co-Reqs: BSC1086L AND BSC1086 AND MCB1010 AND MCB1010L Pre-Reqs: MGF2106 OR BSC1085L AND BSC1085 AND ENC1101 AND PSY1012 AND MAC1105 Conc-Reqs: NUR1005L
NUR1005L		5.00	Conc-Reqs: NUR1005

	Transition into Professional Nursing Lab		
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	
... ...	1st Semester (Prerequisite Courses)		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
PSY1012	General Psychology	3.00	
... ...	2nd Semester		
		SEM HRS	
ENC1102	Writing with Research	3.00	Pre-Reqs: ENC1101
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086
MCB1010	Microbiology	3.00	Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L
MCB1010L	Microbiology Lab	1.00	Conc-Reqs: MCB1010
NUR1010	Foundations of Nursing Practice	3.00	Co-Reqs: BSC1086L AND MCB1010 AND MCB1010L AND NUR1005 AND BSC1086 AND NUR1020 Pre-Reqs: MGF2106 OR BSC1085 AND BSC1085L AND PSY1012 AND ENC1101 AND MAC1105
NUR1005	Transition into Professional Nursing	3.00	Co-Reqs: BSC1086L AND BSC1086 AND MCB1010 AND MCB1010L Pre-Reqs: MGF2106 OR BSC1085L AND BSC1085 AND ENC1101 AND PSY1012 AND MAC1105 Conc-Reqs: NUR1005L
NUR1005L	Transition into Professional Nursing Lab	5.00	Conc-Reqs: NUR1005
... ...	3rd 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

... ...	4th Semester		
		SEM HRS	
... ...	Humanities 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 in accordance with the Florida Department of Education Statewide Framework Articulation Credit.

Nursing Assistant (Long Term Care)

Nursing Assistant (Long Term Care)

Program Information

Vocational Certificate - Code 1205 - Catalog 2015/2016
Linda Vought, Office Assistant, 386-506-3250, voughtl@DaytonaState.edu
Patricha Dabney, Staff Assistant, 386-506-3069, dabneyp@daytonastate.edu
Dr. Linda Miles, 386-506-3720, milesl@daytonastate.edu

08/20/2015 M - 2108

Program Mission, Description, and Outcomes

Mission:
The mission of the nursing assistant-long term care 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 nursing assistant-long term care program prepares individuals to become entry level health care professionals and provide basic nursing care to clients in long-term care, subacute and assisted living facilities.This program consists of 80 hours of classroom/laboratory instruction and 40 hours of clinical.

Students learn interpersonal skills, medical terminology, legal and ethical responsibilities, safe and efficient work, and employability skills. The program is designed to prepare students for employment as a nursing assistant after passing a nursing assistant competency exam in accordance with Florida Statutes 464.

Outcomes:
Graduates of the program will be able to:
1.Assist the adult client with activities of daily living and basic care in the long-term care, subacute and assisted living facilities under the supervision of a licensed nurse.
2. Demonstrates skills safely and accurately during client care; observing and reporting physical, spiritual, psychosocial needs of the client, and changes in client's status physically, behaviorally, and emotionally.
3. Assist the nurse in planning and implementing care to meet the client's nutrition, hydration, and elimination needs, and identify signs/symptoms, causes of and clients at risk for pressure ulcers.
4. Demonstrate professional behaviors within the role and scope of the nursing assistant.
5. Demonstrate proper usage of equipment/devices.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: $336*
Access Fee: $20 ($4.93 per credit hour)
Assessment Fee: $35
Lab Fees (including liability insurance): $23
Textbook/Workbook Combo and Syllabus: $80
Uniform: $35
Laboratory Supplies: $60
FDLE/FBI Background Screening: $90
NACEP Exam: $140

*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. Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing.

The following items must be received prior to the first day of clinical:

-Completion of health screening to include: verification of immunization against influenza, 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
PRN0090	Nursing Assistant	4.00

Sample Program of Study

Course	Title	VOC HRS
PRN0090	Nursing Assistant	4.00
TOTAL	...	4.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Occupational Therapy Assistant (Limited Access Program)

Occupational Therapy Assistant (Limited Access Program)

Program Information

A.S. Degree - Code 2115/2215 - Catalog 2015/2016
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

08/26/2015 M - 2154

Program Mission, Description, and Outcomes

Mission:
Our mission is to train occupational therapy assistant generalists, who come from diverse backgrounds and experience, to successfully become competent entry-level practitioners and meet the needs of their community, using occupation to promote health and participation in daily life.

-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 are at risk for these. Occupational therapy aims to help clients achieve a maximum level of participation and function in their daily activities (occupations).
Job title: Occupational Therapy Assistant.

Program Accreditation: 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.acoteonline.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.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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.

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.

- Applications for continuing enrollment are accepted January 1st through April 30th.

- Completion of the following courses with a grade of 'C' or better is required before being considered for admission into the program: BSC 1085/1085L (Human Anatomy & Physiology I and Lab), ENC 1101 (Introduction to 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.

- Observation hours are required as part of the admission process; however, these are done as part of the Introduction to Occupational Therapy OTH1001 course.

- Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing. Those applicants that have successfully completed college level English and/or Math may be exempt from placement testing. All other applicants are required to take the Postsecondary Education Readiness Test (PERT) and be at the 10th grade level for reading, language and arithmetic.

- 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		
... ...	Communication Core (3 credits)		
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core (3 credits)		
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra OR		Pre-Reqs: 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 MAT0022 OR MAT0028 OR MAT0056L

		Natural Sciences Core (8 credits)		
			SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085	
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L	
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086	

		Humanities Core (3 credits)		
... ...		Choose One Course		
			SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101	
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101	
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101	
PHI2010	Introduction of Philosophy	3.00		
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101	

		Social Sciences Core (3 credits)		
			SEM HRS	
PSY1012	General Psychology	3.00		

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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
OTH2410I	Conditions in Occupational Therapy	3.00	Pre-Reqs: BSC1085 AND OTH1001
OTH2420	Occupational Therapy for Physical Dysfunction	3.00	Pre-Reqs: OTH1014C AND OTH2410 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: OTH2840 AND OTH2841

Sample Program of Study

Course	Title		
... ...	Prerequisite Courses		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
HSC1000	Introduction to Health Care	3.00	
OTH1001	Introduction to Occupational Therapy	3.00	
PSY1012	General Psychology	3.00	
... ...	First Year - 1st Semester - Fall		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra OR		Pre-Reqs: 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 MAT0022 OR MAT0028 OR MAT0056L
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II 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
OTH2410I	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: OTH1014C AND OTH2410 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 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: OTH2840 AND OTH2841
TOTAL	...	70.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Office Administration

┌─ 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.

AS Certificates That Lead To This Degree:

The following AS Certificates are embedded within this degree: Office Management - 0914 ; Office Support (Technical Certificate) - 0926. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options.

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.

Credits earned in this AS degree may be applied toward the 0926 Office Support (Technical certificate) and the 0914 Office Management certificate. The 0926 certificate can be earned in the first semester and the 0914 in the second semester. See the sample program of study.

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
... ...	General Education Core - 18 Credits
... ...	Communication Core (6 credits)

		SEM HRS	
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101

... ...	Mathematics Core (3 credits) Choose One Course		

		SEM HRS	
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 MAT0022 OR MAT0028 OR MAT0056L
MGF2106*I*	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105*2*	College Algebra	3.00	Pre-Reqs: MAT1033

... ...	Humanities Core (3 credits)		
... ...	Choose One Course		

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

... ...	Social Sciences Core (6 credits)		

		SEM HRS	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101

... ...	and Choose One Course below (3 credits)		

		SEM HRS	
AMH2020	United States History 1865 to Present	3.00	Co-Reqs: ENC1101
ANT2000	Introduction to Anthropology	3.00	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
POS2041	American Federal Government	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
ISM2000	Business Information Processing	3.00	
GEB1011	Introduction to Business	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	
OST2401	Basic Office Procedures	3.00	

| OST2501 | Office Management | 3.00 | |
| OST2713 | Advanced Computer Software Applications | 3.00 | |

... ...	Requirements 12 credits		
... ...	Add'l Office Specialization Course		
		SEM HRS	
APA1111	Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
APA1711	Computer Spreadsheet	3.00	
BUL2241	Business Law I	3.00	
QMB1001	Business Math	3.00	

... ...	Add'l Legal Specialization Course		
... ...	Requirements 12 credits		
		SEM HRS	
BUL2241	Business Law I	3.00	
OST1435	Legal Terminology	3.00	
OST2431*3*	Legal Office Procedures	3.00	Pre-Reqs: OST1141 OR OST1100
PLA2763	Law Office Management	3.00	

... ...	Add'l Medical Specialization Course		
... ...	Requirements 12 credits		
		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 Office Procedures	3.00	Pre-Reqs: OST1100
OST2828	Business Presentation Software	1.00	
OST2852	Excel for the Office	1.00	

Sample Program of Study

Course	Title		
... ...	FIRST YEAR		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
ISM2000	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	
MNA2161	Quality Service Management	3.00	
OST1110	Keyboarding and Formatting II	3.00	Pre-Reqs: OST1100
OST2336	Business Communications	3.00	
OST2501	Office Management	3.00	
OST2713	Advanced Computer Software Applications	3.00	
... ...	Summer Semester		
		SEM HRS	
... ...	Mathematics Core	3.00	
... ...	SECOND YEAR		

		1st Semester	SEM HRS	
... ...		Office Specialization Only		
... ...		Social Sciences Core	3.00	
GEB2430		Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
SPC2608		Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
APA1111		Computerized Accounting/Bookkeeping I	3.00	Co-Reqs: QMB1001
GEB1011		Introduction to Business	3.00	

	Legal Specialization Only	SEM HRS	
... ...	Social Sciences Core	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
OST1435	Legal Terminology	3.00	
OST2431*	Legal Office Procedures	3.00	Pre-Reqs: OST1141 OR OST1100

	Medical Specialization Only	SEM HRS	
... ...	Social Sciences Core	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
HSC1531	Medical Terminology	4.00	
OST2461	Medical Office Procedures	3.00	Pre-Reqs: OST1100

		2nd Semester	SEM HRS	
... ...		Office Specialization Only		
... ...		Humanities Core	3.00	
APA1711		Computer Spreadsheet	3.00	
BUL2241		Business Law I	3.00	
QMB1001		Business Math	3.00	

	Legal Specialization Only	SEM HRS	
... ...	Humanities Core	3.00	
BUL2241	Business Law I	3.00	
GEB1011	Introduction to Business	3.00	
PLA2763	Law Office Management	3.00	

	Medical Specialization Only	SEM HRS	
... ...	Humanities Core	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
GEB1011	Introduction to Business	3.00	
OST2828	Business Presentation Software	1.00	
OST2852	Excel for the Office	1.00	
TOTAL	...	60.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1. MGF2106 Survey in Mathematics is a suggested Math course for Office Administration students.
2. Students seeking to transfer to Bachelor's program are encouraged to complete an additional math core requirement. Check with the institution to determine their requirement.
3. The APLE test can be taken in lieu of OST1141 Keyboarding. Please contact Assessment Services.

* First, second and summer semesters in the first year 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.

Upon completion of the first semester (first year) of the recommended sample profram of study, students are eligible to apply for certificate 0926.
Students are also eligible to apply for 0914 certificate after completing the second semester of the first year with continued adherence to the sample program of study.

2015-2016 College Catalog. To view previous catalogs, please click here.

Office Administration (Medical Systems Option)

┌─ Program Mission, Description, and Outcomes ─────────────────────

Mission:
The mission of the Office Administration Medical Systems Program is to prepare students and experienced employees with the modern technical and related skills needed to excel in today's ever-changing medical environment.

Description:
The program provides a solid foundation in current medical office procedures, including the latest technical skills complemented by courses in human anatomy and physiology and medical terminology, transcription, diseases and pharmacology.

AS Certificates That Lead To This Degree:
The following AS Certificates are embedded within this degree: Office Support (Technical Certificate) - 0926 ; Office Management - Medical Option - 0919 ; Medical Record Transcribing - 0920. You may pursue the AS degree and also earn the AS certificates while completing the requirements for the degree, or pursue the AS certificates to develop or upgrade your skills. Contact your faculty or academic advisor for details and course options
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 medical 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.

Credits earned in this AS degree may be applied toward the 0926 Office Support (Technical Certificate) and the 0919 Office Management (Medical Option) certificate. The 0926 certificate can be earned in the first semester. See the sample program of study.

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); Medical Record Transcribing (Code 0920); 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	
... ...	Communication Core (6 credits)	
		SEM HRS
ENC1101	Introduction to Composition	3.00

| SPC2608 | Oral Communications/Research/Presentation Skills | 3.00 | Pre-Reqs: ENC1101 |

Natural Sciences Core (8 credits)

... ... Natural Sciences Core (8 credits)

Course	Title	SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086

... ... Social Sciences Core (3 credits)
... ... Choose One Course

Course	Title	SEM HRS	
AMH2020	United States History 1865 to Present	3.00	Co-Reqs: ENC1101
ANT2000	Introduction to Anthropology	3.00	
ECO2013	Principles of Macro Economics	3.00	Co-Reqs: ENC1101
POS2041	American Federal Government	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

... ... Mathematics Core (3 credits)
... ... Choose One Course

Course	Title	SEM HRS	
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
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 MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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	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	
OST2336	Business Communications	3.00	
OST2401	Basic Office Procedures	3.00	
OST2461	Medical Office Procedures	3.00	Pre-Reqs: OST1100
OST2501	Office Management	3.00	

Course	Title		
OST2852	Excel for the Office OR		
OST2828	Business Presentation Software OR	1.00	
... ...	An alternative course approved by		
... ...	department chair.		

Sample Program of Study

Course	Title		
... ...	FIRST YEAR		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
ISM2000	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	
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	
HSC1531	Medical Terminology	4.00	
... ...	Mathematics Core	3.00	
... ...	Summer Semester		
		SEM HRS	
OST2461	Medical Office Procedures	3.00	Pre-Reqs: OST1100
... ...	SECOND YEAR		
... ...	1st Semester		
		SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	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
OST2501	Office Management	3.00	
... ...	2nd Semester		
		SEM HRS	
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
OST2852	Excel for the Office OR		
OST2828	Business Presentation Software	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
... ...	Social Sciences Core	3.00	
TOTAL	...	60.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

---Notes---

1. MGF2106 Survey in Mathematics is a suggested Math course for Office Administration students.
2. Students seeking to transfer to Bachelor's program are encouraged to complete an additional math core requirement. Check with the institution to determine their requirement.

Upon completion of the first semester (first year) of the recommended sample program of study, students are eligible to apply for certificate 0926.
Students are also eligible to apply for the 0919 certificate after completing the first semester of the second year with continued adherence to the sample program of study.
Certificate 0920 is completed in the 2nd semester of the second year.

2015-2016 College Catalog. To view previous catalogs, please click here.

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.

Credits earned in this certificate may be applied toward the 0926 Office Support (Technical Certificate) and the 2229 AS Office Administration. The 0926 certificate can be earned in the first semester. See the sample program of study.

Note: This program is eligible for federal financial aid and state bright futures.

─ Approximate Additional Costs ─

Program Tuition and Fees: $2,821*
Access Fee: $133 ($4.93 per credit)
Assessment Fee: $35
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 ─

- Program Specific Courses require a "C" or better.

─ Careers ─

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student, with 4% graduating within 2 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 97%.

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

Program Specific Courses

Course	Title	SEM HRS	
ISM2000	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	
OST2401	Basic Office Procedures	3.00	
OST2501	Office Management	3.00	
OST2713	Advanced Computer Software Applications	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
ISM2000	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		
MNA2161	Quality Service Management	3.00	
OST1110	Keyboarding and Formatting II	3.00	Pre-Reqs: OST1100
OST2336	Business Communications	3.00	
OST2501	Office Management	3.00	
OST2713	Advanced Computer Software Applications	3.00	
TOTAL	...	27.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

Upon completion of the first semester recommended sample program of study, students are eligible to apply for certificate 0926.

2015-2016 College Catalog. To view previous catalogs, please click here.

Office Management (Medical Option)

Program Information

A.S. Certificate - Code 0919 - Catalog 2015/2016
Linda Cupick, Assistant Chair, 386-506-3511, cupickl@DaytonaState.edu
School of Business Admin., 386-506-4227

08/20/2015 M - 2160

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.

Credits earned in this certificate may be applied toward the 0926 Office Support (Technical Certificate) and the 2228 AS Office Administration (Medical Systems Option). The 0926 certificate can be earned in the first semester. See the sample program of study,

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,552*
Access Fee: $168 ($4.93 per credit)
Assessment Fee: $35
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

- Program specific courses require a "C" or better.

Careers

Program Length: The typical length of this program is three (3) semesters (45 weeks), with 33% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 97%.

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 Systems 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

Program Specific Courses

Course	Title	SEM HRS	
ISM2000	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	
OST2401	Basic Office Procedures	3.00	
OST2461	Medical Office Procedures	3.00	Pre-Reqs: OST1100
OST2501	Office Management	3.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
ISM2000	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		
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	
... ...	3rd Semester		
MNA2161	Quality Service Management	3.00	
OST2461	Medical Office Procedures	3.00	Pre-Reqs: OST1100
OST2501	Office Management	3.00	
TOTAL	...	34.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

Upon completion of the first semester recommended sample program of study, students are eligible to apply for certifcate 0926.

2015-2016 College Catalog. To view previous catalogs, please click here.

Office Support (Technical Certificate)

Office Support (Technical Certificate)

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 Certificates

This certificate is embedded in the following AS certificates: Office Management - 0914 ; Office Management (Medical Option) - 0919; and the AS degrees in Office Administration - 2229 ; Office Administration (Medical Systems Option) - 2228.

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: $59 ($4.93 per credit)
Assessment Fee: $35

*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	Business Information Processing	3.00
OST1100	Keyboarding and Formatting I	3.00
OST1330	Business English	3.00
OST2401	Basic Office Procedures	3.00

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┌─ Sample Program of Study ──────────────────────────────────────────────────────────────────
│
│     **Course**              **Title**
│                                        **SEM HRS**
│   ISM2000  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.*
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2015-2016 College Catalog. To view previous catalogs, please click here.

Paralegal Studies (Legal Assisting)

---Program Information---

A.S. Degree - Code 2062 - Catalog 2015/2016
Linda Cupick, Assistant Chair, 386-506-3511, cupickl@DaytonaState.edu
School of Business Admin., 386-506-4227

06/22/2015 M - 2049

---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 Paralegal Studies 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 students need 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 the 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. Demonstrate 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	SEM HRS	
... ...	General Education Core - 15 Credits		
... ...	Communication (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Natural Sciences or Mathematics (3 credits)		
... ...	Choose One Course		
BSC1020	Human Biology	3.00	
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3.00	

MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
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 MAT0022 OR MAT0028 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Social Sciences (3 credits)		
		SEM HRS	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
... ...	Humanities (3 credits)		
... ...	Choose One Course		
		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
BUL2241	Business Law I	3.00	
BUL2242	Business Law II	3.00	
ISM2000	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 Office Procedures	3.00	Pre-Reqs: OST1141 OR OST1100
PLA1103	Legal Writing and Research I	3.00	Co-Reqs: PLA1003
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
PLA2200	Introduction to Litigation, Torts and Evidence	3.00	Pre-Reqs: BUL2241
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 Management OR		
PLA2949	Cooperative Education Experience in Legal Assisting	3.00	
PLA2880	Constitutional Law	3.00	

Sample Program of Study

Course	Title	
... ...	FIRST YEAR	
... ...	1st Semester	
		SEM HRS

BUL2241	Business Law I	3.00	
ENC1101	Introduction to Composition	3.00	
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: PLA1003
PLA1800	Law of Domestic Relations	3.00	
... ...	Natural Sciences or Mathematics Core	3.00	
BUL2242	Business Law II	3.00	
GEB2430	Ethics and Social Responsibility	3.00	Co-Reqs: ENC1101
... ...	Summer Semester		
		SEM HRS	
ISM2000	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
PLA2303	Criminal Law and the Paralegal	3.00	
PLA1610	Real Estate Law and Property	3.00	
PLA2114	Legal Writing and Research II	3.00	Pre-Reqs: PLA1103
... ...	2nd Semester		
		SEM HRS	
PLA2460	Bankruptcy Law	3.00	
OST2431	Legal Office Procedures	3.00	Pre-Reqs: OST1141 OR OST1100
PLA2600	Probate Administration	3.00	Pre-Reqs: BUL2241 AND PLA1003
PLA2880	Constitutional Law	3.00	
... ...	Humanities Core	3.00	
PLA2763	Law Office 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

It is recommended that the above sequence of courses be followed.

1. Students with the ability to type at least 25wpm may take the APLE typing test to test out of OST1141 or have the option of taking OST2828.
2. Unlicensed Practice of Law (UPL) Statement: 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 an internship, a cooperative education experience and/or future employment for any of these organizations.

2015-2016 College Catalog. To view previous catalogs, please click here.

Paramedic (Limited Access Program)

Paramedic (Limited Access Program)

Program Information

A.S. Certificate - Code 1957/0957 - Catalog 2015/2016
Megan Johnson, Senior Staff Assistant, johnsome@daytonastate.edu
Martha Driscoll, Clinical Coordinator, 386-506-4159, driscom@daytonastate.edu
EMS Department Email, ems@daytonastate.edu

08/20/2015 M - 2128

Program Mission, Description, and Outcomes

Mission:
The mission of the Paramedic program is to provide students with the necessary training and practices to deliver high quality, caring patient care in the pre-hospital environment, emphasizing student success and embracing excellence and diversity.

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.

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.

Program Accreditation: The Daytona State College EMS Program is approved by the Florida Department of Health Bureau of Emergency Medical Services, as meeting all statutory requirements of section 401 for EMS Training Centers in Florida. The Daytona State College EMS Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP)

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

Outcomes:
1. Meet or exceed psychomotor skill set benchmarks as listed in the National EMS Educational Standards for Paramedics. http://www.ems.gov/EducationStandards.htm
2. Meet or exceed didactic benchmarks as listed in the National EMS Educational Standards for Paramedics. http://www.ems.gov/EducationStandards.htm
3. Use effective communication and technical resources to communicate to patients/families/differing cultures across the lifespan as evaluated in clinical documentation.
4. Demonstrate effective communication and teamwork with other crew members and other public safety providers as evaluated in clinical documentation.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $4,388*
Access Fee: $207 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: Semester One ($276); Semester Two ($160); Semester Three ($175) Field Internship ($160)
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. Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing.

- 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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student, with 89% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 57%.

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: EMS2659 AND EMS2668 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605L
EMS2605L	Paramedic III Lab	3.00	Co-Reqs: EMS2659 AND EMS2668 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		
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		
		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		
		SEM HRS	
EMS2605	Paramedic III	8.00	Co-Reqs: EMS2659 AND EMS2668 Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667 Conc-Reqs: EMS2605L
EMS2605L	Paramedic III Lab	3.00	Co-Reqs: EMS2659 AND EMS2668 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	...	42.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

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.

For more information please contact Patricia Maher @ 386-506-4188.

2015-2016 College Catalog. To view previous catalogs, please click here.

Photographic Technology

Program Information

A.S. Degree - Code 2075 - Catalog 2015/2016
Daniel Biferie, Chairperson, 386-506-3581, biferid@daytonastate.edu
Roger Linke, Program Advisor, 386-506-3280,
Cathy Shone, 386-506-3891, ShoneC@daytonastate.edu

08/26/2015 M - 2155

Program Mission, Description, and Outcomes

Mission:
The School of Photography 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 within a multi-cultural and rapidly evolving world.

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 A.S. Degree in Photographic Technology ensures a seamless transfer to the University of Central Florida B.S. Degree program. The joint program between the University of Central Florida and Daytona State College is offered exclusively at UCF Daytona Beach.

Program Outcomes:
1. Competency in the creative process and critical thinking to effectively resolve technical and aesthetic issues within the field of photography.
2. Effectively communicate with clients and peers as individuals or groups/creative teams within the field of photography.
3. Demonstrate the ability to apply knowledge of multi-cultural concerns and aesthetic concepts as it relates to the use of photography to address ethical, legal, societal and cultural concerns;
4. Demonstrate an understanding of information and technical literacy; in the use of the Internet for information gathering and research; effectively utilize digital editing software;

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

*Lab Fees: $925 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 or Program Advisor prior to registration. Please call or email for an appointment for an hour-long consultation and tour of the School of Photography. Students with no previous photography experience are required to take PGY1100 or PGY2801 before starting the program.

Careers

Architectural
Commercial, Advertising and Illustration
Editorial
Fashion
Fine Arts
Freelance
Multi-media Producer
Photo Editor
Photo Educator
Photojournalist
Portraiture
Professional Photographic Assistant
Staff Photographer
Videographer
Weddings and Special Events Photographer

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		
... ...	Communication Core (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Social Sciences Core (3 credits)		
DEP2004	Developmental Psychology OR		
PSY1012	General Psychology OR		
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101
... ...	Humanities Core (3 credits)		
ARH1000	Art Appreciation OR		Co-Reqs: ENC1101
ARH2050	Survey of Art History I	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
PGY1101	Photography as an Art Form	3.00	
PGY1115	Color Theory and Processes	7.00	Pre-Reqs: PGY1101 AND PGY1800
PGY1201	Introduction to Studio and Location Photography	4.00	Pre-Reqs: PGY1101 AND PGY1800
PGY1800	Photography and the Digital Image	5.00	
PGY2000	History and Aesthetics Photography	3.00	
PGY2107	Commercial/Illustration Photography	4.00	Pre-Reqs: PGY2210 AND PGY2650
PGY2210	Professional Studio Portraiture	4.00	Pre-Reqs: PGY1201 AND PGY2806 AND PGY1115
PGY2270	Field Survey of Professional Photography OR		
PGY2273	Professional Photographic Business Practices	3.00	
PGY2650	Editorial Photography	4.00	Pre-Reqs: PGY1115 AND PGY1201 AND PGY2806
PGY2750	Introduction to Video Production	4.00	Pre-Reqs: PGY1115 AND PGY2650 OR PGY1800 AND DIG2500
PGY2806	Fine Arts Digital Photography	4.00	Pre-Reqs: PGY1101 AND PGY1800
PGY2216	Location Photography OR		Pre-Reqs: PGY2210
PGY2470	Advanced Photo Workshop OR		Pre-Reqs: PGY1201 AND PGY2806
PGY2935	Portfolio Workshop	4.00	Pre-Reqs: PGY2210 AND PGY2650

Course	Title	SEM HRS	
Course	**Title**		
... ...	First Year		
... ...	1st Semester		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
DEP2004	Developmental Psychology OR		
PSY1012	General Psychology OR		
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101
PGY1101	Photography as an Art Form	3.00	
PGY1800	Photography and the Digital Image	5.00	
... ...	2nd Semester		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
PGY1201	Introduction to Studio and Location Photography	4.00	Pre-Reqs: PGY1101 AND PGY1800
PGY2000	History and Aesthetics Photography	3.00	
PGY2806	Fine Arts Digital Photography	4.00	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	
ARH2050	Survey of Art History I OR		Co-Reqs: ENC1101
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
PGY2210	Professional Studio Portraiture	4.00	Pre-Reqs: PGY1201 AND PGY2806 AND PGY1115
PGY2650	Editorial Photography	4.00	Pre-Reqs: PGY1115 AND PGY1201 AND PGY2806
... ...	2nd Semester		
		SEM HRS	
PGY2107	Commercial/Illustration Photography	4.00	Pre-Reqs: PGY2210 AND PGY2650
PGY2750	Introduction to Video Production	4.00	Pre-Reqs: PGY1115 AND PGY2650 OR PGY1800 AND DIG2500
PGY2216	Location Photography OR		Pre-Reqs: PGY2210
PGY2470	Advanced Photo Workshop OR		Pre-Reqs: PGY1201 AND PGY2806
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Physical Therapist Assistant (Limited Access Program)

Physical Therapist Assistant (Limited Access Program)

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.

Program Accreditation: This program is accredited by the Commission on the Accreditation in Physical Therapy Education (CAPTE) - 1111 N. Fairfax Street, Alexandria, VA 22314. (703) 706-3245. email: accreditation@apta.org; website: http://www.capte.org/

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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): $155
Textbooks: $1,000
Uniforms: $100
Laboratory Supplies: $100
Licensure Fees: $755
FDLE/FBI Background Screening: $180

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 (Introduction to Composition), PHT 1006 (Introduction to Physical Therapy), and MAC 1105 (College Algebra) or MGF 2106 (Survey in Mathematics) or MGF 2107 (Mathematics for Liberal Arts).

- Cumulative grade point average of 2.5 or better to apply for continuing enrollment.

- 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.

- 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.

- Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing. Those applicants that have successfully completed college level English and/or Math may be exempt from placement testing. All other applicants are required to take the Postsecondary Education Readiness Test (PERT) and be at the 10th grade level for reading, language and arithmetic.

- 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). A second screening will be required in the third semester of the program.

- 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		
... ...	General Education Core - 20 Credits		
... ...	Communication Core (3 credits)		
		SEM HRS	
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core (3 credits)		
		SEM HRS	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra		Pre-Reqs: MAT1033
... ...	Natural Sciences Core (8 credits)		
		SEM HRS	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L		1.00	Conc-Reqs: BSC1086

		SEM HRS	
	Human Anatomy and Physiology II Lab		
... ...	Humanities Core (3 credits)		
... ...	Choose One Course		

		SEM HRS	
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

... ...	Social Sciences Core (3 credits)		

		SEM HRS	
PSY1012	General Psychology	3.00	

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
PHT1006	Introduction to Physical Therapy	3.00	
PHT1128	Kinesiology of PTA	4.00	Pre-Reqs: BSC1085C OR BSC1085
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: BSC1086 AND BSC1086L 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: PHT1006 AND PHT1251 Conc-Reqs: PHT2211L
PHT2211L	Modalities I Lab	1.00	Pre-Reqs: PHT1006 AND PHT1251 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: PHT2220 AND PHT2220L 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	Introduction to Composition	3.00	
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
MAC1105	College Algebra		Pre-Reqs: MAT1033
PHT1006	Introduction to Physical Therapy	3.00	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	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 II Lab	1.00	Conc-Reqs: BSC1086
PHT1128	Kinesiology of PTA	4.00	Pre-Reqs: BSC1085C OR BSC1085
PHT1251	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	
PHT2211	Modalities I	2.00	Pre-Reqs: PHT1006 AND PHT1251 Conc-Reqs: PHT2211L
PHT2211L	Modalities I Lab	1.00	Pre-Reqs: PHT1006 AND PHT1251 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: PHT2220 AND PHT2220L 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: BSC1086 AND BSC1086L 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 Core	3.00	
PHT2140		3.00	Pre-Reqs: PHT1300 Conc-Reqs: PHT2140L

	Rehabilitation Skills for PTA		
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Plumbers Apprentice - Union

Program Information

Apprenticeship - Code 1070 - Catalog 2015/2016
David Fitzgerald, Adjunct Faculty, dfitzgerald6@cfl.rr.com
Roger Rowan, Chair, Workforce & Cont. Edu., 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, 386-506-4165, cherryb@daytonastate.edu

08/24/2015 M - 2138

Program Mission, Description, and Outcomes

Mission:
The mission of the Plumbing Apprentice - Union program is to provide the knowledge, practice and skill development necessary to become a successful journeyman Plumber.

Outcomes:
The Plumbers and Pipefitters Local Union #295 apprenticeship program is a state subsidized, five-year plumbing residential, commercial and industrial program. Apprentices begin with an OSHA safety course in which every passing student will be OSHA certified by a Daytona Beach Plumbers and Pipefitters Local Union #295 instructor. Students learn rules and regulations for the "craft" in the state of Florida. Courses include: math, drawing interpretation, welding, pipefitting, layout, rigging and signaling, tubing and instruction, basic air conditioning and refrigeration as well as use and care of tools. 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 the plumbers and pipe fitters field. Apprentices are required to work a total of 10,000 hours of OJT and 1,230 class hours for successful completion of the program 5 year program. Classes are held at Daytona State College, Daytona Campus, 1200 West International Speedway Boulevard, Daytona Beach, FL 32114 and OJT is scheduled at various places of employment.

This program is pending SASCOC approval.

Description:
Graduates of the program will be able to:
1. Demonstrate knowledge and ability to follow rules, building codes, and be OSHA
certified by the local Plumbers and Pipefitters Union.
2. Identify and use different tools, equipment, materials and 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.

Approximate Additional Costs

Program Tuition and Fees: None
Other Cost: Contact Daytona Beach Plumbers and Pipefitters Union at 386-252-7429.

Additional Admission Requirements

THE ENTRY QUALIFICATIONS SHALL INCLUDE:
Applicants must apply and be accepted by the sponsor, the Daytona Beach Plumbers and Pipefitters Union #295 to be eligible for the program.

1. Potential apprentices must be 18 years of age or older at the time the application is completed at Daytona Beach Plumbers and Pipefitters Union Hall, 743 N. Beach Street, Daytona Beach, FL 32114.
2. Daytona Beach Plumbers and Pipefitters Union #295 Apprenticeship Committee must select first-year apprentices, before beginning the program. Please contact David Fitzgerald (Training Director of Daytona Beach Plumbers and Pipefitters Union #295 at 386-252-7429. Website for Daytona Beach Plumbers and Pipefitters Union #295 Apprenticeship Committee is www.ua295.org
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 and physically able to perform duties of trade.
6. One credit of high school algebra.
7. Take the industry's validated aptitude test and take a drug test prior to employment.

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.

The following information is required by federal regulations to be provided to all students for all vocational and certificate programs.
Additional information on any career, job or salary potential can be found at .
The typical length of the program is five years and includes class time and paid on-the-job-training. (PLACEMENT)

46.053 Plumbing Technology/ Plumber
47-2152.02 Plumbers Bright Outlook Green
47-2152.00 Plumbers, Pipefitters, and Steamfitters
47-3015.00 Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters
49-9071.00 Maintenance and Repair Workers, General
47-4071.00 Septic Tank Servicers and Sewer Pipe Cleaners
47-2152.01 Pipe Fitters and Steamfitters

For additional information on wages, trend and career information:

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.

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	
BCA0450L	Plumbing Apprentice 1 Lab	21.33	
BCA0451	Plumbing Apprentice 2	4.10	Conc-Reqs: BCA0451L
BCA0451L	Plumbing Apprentice 2 Lab	22.66	Conc-Reqs: BCA0451
BCA0452	Plumbing Apprentice 3	4.10	Conc-Reqs: BCA0452L
BCA0452L	Plumbing Apprentice 3 Lab	22.66	Conc-Reqs: BCA0452
BCA0453L	Plumbing Apprentice 4 Lab	21.33	
BCA0454	Plumbing Apprentice 5	4.10	Conc-Reqs: BCA0454L
BCA0454L	Plumbing Apprentice 5 Lab	22.66	Conc-Reqs: BCA0454
BCA0455	Plumbing Apprentice 6	4.10	Conc-Reqs: BCA0455L
BCA0455L	Plumbing Apprentice 6 Lab	22.66	Conc-Reqs: BCA0455
BCA0456L	Plumbing Apprentice 7 Lab	21.33	
BCA0457	Plumbing Apprentice 8	4.10	Conc-Reqs: BCA0457L
BCA0457L	Plumbing Apprentice 8 Lab	22.66	Conc-Reqs: BCA0457
BCA0458	Plumbing Apprentice 9	4.10	Conc-Reqs: BCA0458L
BCA0458L	Plumbing Apprentice 9 Lab	22.66	Conc-Reqs: BCA0458
BCA0459L	Plumbing Apprentice 10 Lab	21.33	
BCA0431	Plumbing Apprentice 11	4.10	Conc-Reqs: BCA0431L
BCA0431L	Plumbing Apprentice 11 Lab	22.66	Conc-Reqs: BCA0431
BCA0432	Plumbing Apprentice 12	4.10	Conc-Reqs: BCA0432
BCA0432L	Plumbing Apprentice 12 Lab	22.66	Conc-Reqs: BCA0432
BCA0433L	Plumbing Apprentice 13 Lab	21.33	
BCA0434	Plumbing Apprentice 14	4.10	Conc-Reqs: BCA0434L
BCA0434L	Plumbing Apprentice 14 Lab	22.66	Conc-Reqs: BCA0434
BCA0435	Plumbing Apprentice 15	4.10	Conc-Reqs: BCA0435L
BCA0435L	Plumbing Apprentice 15 Lab	22.66	Conc-Reqs: BCA0435

Notes

JOURNEYMAN CERTIFICATE:
Awarded by Apprenticeship Office of Workforce Education,
Florida Department of Education on Successful Completion of Program
If you are interested in applying tor this program, please contact:
David Fitzgerald, Director of Training
Plumbers & Pipefitters Local Union No. 295
743 North Beach Street

Daytona Beach, FL. 32114
Phone: (386) 252-7429
E-mail: DavidF295@yahoo.com
Website: www.UA295.org

2015-2016 College Catalog. To view previous catalogs, please click here.

Practical Nursing (Limited Access 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 during the fall semester at the Daytona Beach Campus.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate professional behaviors of accountability and professionalism according to the ethical, legal, and regulatory framework for the licensed practical nurse.
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. Contribute to the development, implementation and evaluation of a teaching plan that promotes physical health and reduces risk potential for clients.
5. Promote the physical, spiritual, and psychosocial well-being of clients.
6. Demonstrate a caring and empathic approach to the safe, therapeutic and individualized care of the client.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $4,154*
Access Fee: $230 ($4.93 per credit)
Assessment Fee $35
Lab Fees (including liability insurance and testing): $447
Textbooks: $550
Uniforms: $150
Laboratory Supplies: $105
NCLEX Exam: $435
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 College placement test for vocational programs which indicate language, reading and arithmetic ability at the 11th grade level or better. Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing.

- 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 or BSC 0070 (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 0070 (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 for continuing enrollment can be submitted during the month of May for fall semester enrollment. 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 influenza, 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.

-Courses must be taken in the sequence published in the sample program of study.

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.

Program Length: The typical length of this program is three (3) semesters (42 weeks) for a full-time student, with 96% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 94%.

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	Conc-Reqs: PRN0004L
PRN0004L	Introduction to Nursing Lab	10.25	Conc-Reqs: PRN0004
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	
		VOC HRS	
BSC0070	Basic Anatomy and Physiology for Health Careers	1.50	
... ...	August Class - Fall		
		VOC HRS	
PRN0004	Introduction to Nursing	5.00	Conc-Reqs: PRN0004L
PRN0004L	Introduction to Nursing Lab	10.25	Conc-Reqs: PRN0004
... ...	Spring		
		VOC HRS	
PRN0207	Medical-Surgical Nursing I	4.80	
PRN0207L	Medical-Surgical Nursing I Lab	10.38	
... ...	Summer Term A - 6 weeks		
		VOC HRS	
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
... ...	Summer Term B - 6 weeks		
		VOC HRS	
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
		SEM HRS	
TOTAL	SEM. HRS	3.00	
		VOC HRS	
TOTAL	VOC. HRS.	43.53	
TOTAL	CONTACT HRS.	1350.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Radiography (Limited Access Program)

Radiography (Limited Access Program)

Program Information

A.S. Degree - Code 2137/2037 - Catalog 2015/2016
Darcie Nethery, Assistant Chair, darcie.nethery@halifax.org
Connie Kisner, Staff Assistant, 386-506-3080, kisnerc@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, brownm@daytonastate.edu

03/27/2015 M - 1977

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.

Program Accreditation: 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. Fax 312-704-5304. www.jrcert.org or mail@jrcert.org

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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 and Daytona State College tuition. Fees will be defined in applicable program information.

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 that graduated from a Florida public high school after 2003 and received a standard high school diploma are exempt from taking placement tests. Those applicants that have successfully completed college level English and/or math may be exempt as well. All other applicants will need to that the Postsecondary Education Readiness Test (PERT). Applicants must be at the 10th grade level for reading, language and arithmetic.

- Completion of the following courses with a grade of 'C' or better is required before application is considered for continuing enrollment: BSC1085/1085L (Human Anatomy and Physiology I and Lab), ENC 1101 (Introduction to Composition), MAC 1105 (College Algebra). Program specific courses and general education 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.

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	SEM HRS	
... ...	General Education Core - 16 Credits		
... ...	Communication Core (3 credits)		
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core (3 credits)		
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
... ...	Natural Sciences Core (4 credits)		
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
... ...	Humanities Core (3 credits)		
... ...	Choose One Course		
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
... ...	Social Sciences Core (3 credits)		

| | PSY1012 | General Psychology | 3.00 | |

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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: RTE1503 AND RTE1503L
RTE1513L	Radiographic Procedures Lab II	1.00	Co-Reqs: RTE1513
RTE1523	Radiographic Procedures III	2.00	Pre-Reqs: RTE1513 AND RTE1513L
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*l*	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	SEM HRS	
... ...	Prerequisite Courses		
ENC1101	Introduction to Composition	3.00	
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
... ...	First Year Spring		
... ...	Humanities Core	3.00	
RTE1000	Fundamentals of Radiologic Technology	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

... ...	First Year Summer		
		SEM HRS	
RTE1457	Radiographic Exposures II	2.00	Pre-Reqs: RTE1418
RTE1001	Medical Terminology for Radiographers	1.00	
RTE1513	Radiographic Procedures II	2.00	Pre-Reqs: RTE1503 AND RTE1503L
RTE1513L	Radiographic Procedures Lab II	1.00	Co-Reqs: RTE1513
RTE1814	Radiographic Clinical Education II	3.00	Pre-Reqs: RTE1804

... ...	First Year Fall		
		SEM HRS	
PSY1012	General Psychology	3.00	
CGS2100	Microcomputer Applications	3.00	
RTE1523	Radiographic Procedures III	2.00	Pre-Reqs: RTE1513 AND RTE1513L
RTE1824	Radiographic Clinical Education III	5.00	Pre-Reqs: RTE1814

... ...	Second Year Spring		
		SEM HRS	
RTE2613	Radiation Physics I	3.00	
RTE2930	Radiographic Image Critique	1.00	
RTE2834	Radiographic Clinical Education IV	5.00	Pre-Reqs: RTE1824

... ...	Second Year Summer		
		SEM HRS	
RTE2623	Radiation Physics II	3.00	Pre-Reqs: RTE2613
RTE2563	Selected Radiographic Special Procedures I	3.00	

... ...	Second Year Fall		
		SEM HRS	
RTE2844	Radiographic Clinical Education V	6.00	Pre-Reqs: RTE2834
RTE2573	Selected Radiographic Special Procedures II	3.00	Pre-Reqs: RTE2563

... ...	Third Year Spring		
		SEM HRS	
RTE2385		2.00	

	Radiation Biology and Protection		
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Respiratory Care (Limited Access Program)

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 Respiratory Therapist multiple-choice exam and the clinical simulation exams of the National Board for Respiratory Care (NBRC), qualifying them for the credentials of Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT).

Program Accreditation: 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.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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: Program Specific RET Courses @ $457; Science Courses @ $282
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 starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing. Those applicants that have successfully completed college level English and/or Math may be exempt from placement testing. All other applicants are required to take the Postsecondary Education Readiness Test (PERT) and be at the 10th grade level for reading, language and arithmetic.

- 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) or MGF2106 (Survey in Mathematics) and ENC 1101 (Introduction to Composition). Completion of at least 25$ of the degree requirement credits in residence at Daytona State College.

- 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.

- 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 by deadlines established by the Program.

- 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	SEM HRS	
... ...	General Education Core - 27 Credits		
... ...	Communication Core (3 credits)		
ENC1101	Introduction to Composition	3.00	
... ...	Mathematics Core (3 credits)		
MAC1105	College Algebra OR	3.00	Pre-Reqs: MAT1033
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
... ...	Natural Sciences Core (8 credits)		
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
BSC1086	Human Anatomy and Physiology II	3.00	Pre-Reqs: BSC1085 Conc-Reqs: BSC1086L
BSC1086L	Human Anatomy and Physiology II Lab	1.00	Conc-Reqs: BSC1086
... ...	Humanities Core (3 credits)		
... ...	Choose One Course		
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101

HUM2020	Introduction to Humanities	3.00	Pre-Reqs: ENC1101
LIT2000	Literature and Culture	3.00	Pre-Reqs: ENC1101
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
PHI2010	Introduction of Philosophy	3.00	
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

... ...	Social Sciences Core (3 credits)		
		SEM HRS	
PSY1012	General Psychology	3.00	

... ...	Additional Required Courses - 7 Credits		
		SEM HRS	
PSC1121	Physical Science	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106
CHM1025	Introduction to Chemistry	3.00	Co-Reqs: 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	1.00	Conc-Reqs: CHM1025
MCB1010	Microbiology	3.00	Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L
MCB1010L	Microbiology Lab	1.00	Conc-Reqs: MCB1010

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Course	Title	SEM HRS	
RET1025	Principles of Respiratory Care	3.00	Conc-Reqs: RET1025L
RET1025L	Principles of Respiratory Care Lab	1.00	Conc-Reqs: RET1025
RET1026	Basic Equipment of Respiratory Care	2.00	Conc-Reqs: RET1026L
RET1026L	Basic Equipment of Respiratory Care Lab	1.00	Conc-Reqs: RET1026
RET1264	Advanced Equipment of Respiratory Care	2.00	Pre-Reqs: RET1026 Conc-Reqs: RET1264L
RET1264L	Advanced Equipment of Respiratory Care Lab	1.00	Conc-Reqs: RET1264
RET1265	Mechanical Ventilation	3.00	Pre-Reqs: RET1026 Conc-Reqs: RET1265
RET1265L	Mechanical Ventilation Lab	1.00	Pre-Reqs: RET1026L Conc-Reqs: RET1265
RET1295	Chest Medicine	3.00	Pre-Reqs: BSC1085 AND RET1025 AND RET1025L
RET1450	Basic Physiologic Monitoring	3.00	Co-Reqs: RET1833 Pre-Reqs: RET1264 AND RET1265L OR RET1265
RET1485	Cardiopulmonary Anatomy and Physiology	4.00	Pre-Reqs: BSC1085 AND BSC1085L
RET1874	Clinical Respiratory Care I	4.00	Co-Reqs: RET1264 Pre-Reqs: RET1025 AND RET1025L AND RET1264L AND RET1264
RET1875	Clinical Respiratory Care II	4.00	Pre-Reqs: RET1874
RET2244	Life Support	3.00	Pre-Reqs: RET1450 AND RET1485
RET2350	Cardiopulmonary Pharmacology	4.00	Pre-Reqs: RET1485
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
RET2934	Respiratory Care Seminar	3.00	

Course	Title		

		Prerequisite Courses	
... ...			
			SEM HRS
ENC1101	Introduction to Composition	3.00	
BSC1085	Human Anatomy and Physiology I	3.00	Co-Reqs: 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	Conc-Reqs: BSC1085
MAC1105	College Algebra OR	3.00	Pre-Reqs: MAT1033
MGF2106	Survey in Mathematics	3.00	Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L

		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 II Lab	1.00	Conc-Reqs: BSC1086
RET1025	Principles of Respiratory Care	3.00	Conc-Reqs: RET1025L
RET1025L	Principles of Respiratory Care Lab	1.00	Conc-Reqs: RET1025
RET1026	Basic Equipment of Respiratory Care	2.00	Conc-Reqs: RET1026L
RET1026L	Basic Equipment of Respiratory Care Lab	1.00	Conc-Reqs: RET1026
RET1485	Cardiopulmonary Anatomy and Physiology	4.00	Pre-Reqs: BSC1085 AND BSC1085L

		2nd Semester - Spring	
... ...			
			SEM HRS
PSC1121	Physical Science	3.00	Co-Reqs: MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106
RET1264	Advanced Equipment of Respiratory Care	2.00	Pre-Reqs: RET1026 Conc-Reqs: RET1264L
RET1264L	Advanced Equipment of Respiratory Care Lab	1.00	Conc-Reqs: RET1264
RET1265	Mechanical Ventilation	3.00	Pre-Reqs: RET1026 Conc-Reqs: RET1265
RET1265L	Mechanical Ventilation Lab	1.00	Pre-Reqs: RET1026L Conc-Reqs: RET1265
RET1295	Chest Medicine	3.00	Pre-Reqs: BSC1085 AND RET1025 AND RET1025L
RET2350	Cardiopulmonary Pharmacology	4.00	Pre-Reqs: RET1485

		Summer Semester	
... ...			
			SEM HRS
RET1450	Basic Physiologic Monitoring	3.00	Co-Reqs: RET1833 Pre-Reqs: RET1264 AND RET1265L OR RET1265
RET1874	Clinical Respiratory Care I	4.00	

Co-Reqs: RET1264 Pre-Reqs: RET1025 AND RET1025L AND RET1264L AND RET1264

		SEM HRS	
... ...	Second Year - 1st Semester - Fall		
PSY1012	General Psychology	3.00	
RET2244	Life Support	3.00	Pre-Reqs: RET1450 AND RET1485
RET2714	Neonatal and Pediatric Respiratory Care	3.00	Pre-Reqs: RET1293 AND RET1485
RET1875	Clinical Respiratory Care II	4.00	Pre-Reqs: RET1874

		SEM HRS	
... ...	2nd Semester - Spring		
... ...	Humanities Core	3.00	
CHM1025	Introduction to Chemistry	3.00	Co-Reqs: 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	1.00	Conc-Reqs: CHM1025
MCB1010	Microbiology	3.00	Pre-Reqs: BSC1085 OR BSC1010 Conc-Reqs: MCB1010L
MCB1010L	Microbiology Lab	1.00	Conc-Reqs: MCB1010
RET2876	Clinical Respiratory Care III	4.00	Pre-Reqs: RET1832 AND RET1833
RET2934	Respiratory Care Seminar	3.00	
TOTAL	...	76.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Simulation and Robotics Technology

Program Mission, Description, and Outcomes

Mission:
The Simulation and Robotics Technology program prepares 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. This program incorporates innovative teaching methods using the latest technology, thus improving student knowledge and encouraging their success. After completion, students may seek career jobs or transition into baccalaureate programs.

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.

General Education Courses

Course	Title	SEM HRS	
... ...	General Education Core - 15 credits		
... ...	Communication Core (6 credits)		
ENC1101	Introduction to Composition	3.00	
SPC2608	Oral Communications/Research/Presentation Skills	3.00	Pre-Reqs: ENC1101
... ...	Mathematics Core (3 credits)		
MAC1105	College Algebra	3.00	Pre-Reqs: MAT1033
MGF2106	Survey in Mathematics OR		Pre-Reqs: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L
... ...	Social Sciences Core (3 credits)		

	Choose One Course		

		SEM HRS	
DEP2004	Developmental Psychology	3.00	
PSY1012	General Psychology	3.00	
SYG2000	Introduction to Sociology	3.00	Co-Reqs: ENC1101

	Humanities Core (3 credits)		
... ...	Choose One Course		

		SEM HRS	
AML2050	Modern American Literature	3.00	Pre-Reqs: ENC1101
AML2060	Contemporary American Literature	3.00	Pre-Reqs: ENC1101
ARH1000	Art Appreciation	3.00	Co-Reqs: ENC1101
AML2600	Introduction to African American Literature	3.00	Pre-Reqs: ENC1101
HUM2210	Prehistory to Medieval Humanities	3.00	Pre-Reqs: ENC1101
HUM2230	Renaissance to Postmodern Humanities	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
MUL1010	Music Appreciation	3.00	Co-Reqs: ENC1101
MUL2380	Popular Music in America	3.00	Co-Reqs: ENC1101
THE1000	Theatre Appreciation	3.00	Co-Reqs: ENC1101

Note: It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine developmental course requirements.

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
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
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	2.00	
CET1112	Digital Fundamentals	3.00	Conc-Reqs: CET1112L
CET1112L	Digital Fundamentals Lab	1.00	Conc-Reqs: CET1112
CET1600	Network Plus	3.00	
CET2154	A+ Computer Repair	4.00	
EET1011	Introduction to Electrical Circuits	2.00	Co-Reqs: MAT1033 Conc-Reqs: EET1011L
CGS2100	Microcomputer Applications	3.00	
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: COP1000 AND EET1021 Conc-Reqs: ETM2315L
ETM2315L	Simulation Power and Control Lab	1.00	Conc-Reqs: ETM2315

Course	Title		
ETD2377	3D Computer Animation (3D Studio)	2.00	Conc-Reqs: ETD2377L
ETD2377L	3D Computer Animation (3D Studio) Lab	1.00	Conc-Reqs: ETD2377

Sample Program of Study

Course	Title		
... ...	First Year		
... ...	1st Semester		
		SEM HRS	
CET2154	A+ Computer Repair	4.00	
... ...	Mathematics Core	3.00	
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	Introduction to Composition	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
EGS1000	Professional Performance for Technicians	3.00	
CET1600	Network Plus	3.00	
... ...	Summer A		
		SEM HRS	
CGS2100	Microcomputer Applications	3.00	
... ...	Summer B		
		SEM HRS	
... ...	Social Sciences Core	3.00	
... ...	Second Year		
		SEM HRS	
... ...	1st Semester		
ETM2315	Simulation Power and Control	2.00	Pre-Reqs: COP1000 AND EET1021 Conc-Reqs: ETM2315L
ETM2315L	Simulation Power and Control Lab	1.00	Conc-Reqs: ETM2315
CAP2023	Introduction to Game Programming	3.00	Pre-Reqs: COP1000
CIS2350	Principles of Information Assurance	3.00	Pre-Reqs: CET1600
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 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
EET1607	Electronics Assembly and Cabling	2.00	Conc-Reqs: EET1607L
EET1607L	Electronics Assembly and Cabling Lab	1.00	Conc-Reqs: EET1607
CAP2949	Cooperative Education Experience in Simulation and Robotics	2.00	
TOTAL	...	68.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Notes

1.Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

2015-2016 College Catalog. To view previous catalogs, please click here.

Surgical Technology (Limited Access Program)

Surgical Technology (Limited Access Program)

┌─ Program Information ───┐

Vocational Certificate - Code 1192/1092 - Catalog 2015/2016
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

08/20/2015 M - 2110

┌─ 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.

Program Accreditation: 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.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and bachelor's 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.

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: $228 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $178
Uniforms/Lab Coats: $175
Textbooks: $1,150
National Certification Exam: $190
Association for Surgical Technology Membership Fee: $45

*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.

- Completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: *BSC 0070 (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 0070 (Basic Anatomy & Physiology for Health Careers).

- Submit the completed application for continuing enrollment to the School of Health Careers.

- 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, pre-admission consultation and attendance at a program information session. Applicants with higher cumulative GPA's and successful completion of all prerequisite and corequisite courses will be considered more favorably.

- Applicants starting in a Florida Public high school in 2003 or after and graduating from a Florida public high school with a standard high school diploma and active duty military are exempt from any placement testing. Applicants that have successfully completed college level English and/or Math may also be exempt from placement testing. All other applicants will be required to take the TABE test and must achieve a score of at least 11th Grade level in Reading and Language, and 10th grade level in Math.

- 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 interview 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 (36 weeks) for a full-time student, with 95% graduating within 3 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 88%.

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: BSC0070 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: STS0003 AND STS0120 AND STS0155
STS0256L	Surgical Procedures Clinical II	12.50	Co-Reqs: STS0121 Pre-Reqs: STS0155 OR STS0003 AND STS0255L
STS0257L	Surgical Procedures Clinical III	5.20	Co-Reqs: STS0122 Pre-Reqs: STS0255L AND STS0256L

Course	Title	SEM HRS	
... ...	Prerequisite Courses		
HSC1531	Medical Terminology	4.00	
		VOC HRS	
BSC0070	Basic Anatomy and Physiology for Health Careers	1.50	
... ...	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: BSC0070 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: STS0003 AND STS0120 AND STS0155
... ...	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 STS0003 AND STS0255L
... ...	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: STS0255L AND STS0256L
TOTAL	SEM. HRS.	4.00	
TOTAL	VOC. HRS.	42.33	
TOTAL	CONTACT HRS.	1330.00	

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Television Studio Production

Program Information

A.S. Certificate - Code 0979 - Catalog 2015/2016
Anita Bevins, Associate Professor, 386-506-3936, bevinsa@daytonastate.edu
Program Office, 386-506-4227, BASinfo@DaytonaState.edu

08/20/2015 M - 2130

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. A.A. students can earn this certificate and fulfill 12 credit hours of general education elective credits.

Outcomes:
Graduates of the program 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: $59 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $9
Textbook Estimate: $115

*In-state tuition only; out-of-state tuition will be higher.

Careers

Program Length: The typical length of this program is three (3) 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. A.A. students can earn this certificate and fulfill 12 credit hours of general education elective credits.

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
RTV1510	Studio Television Production	3.00	Pre-Reqs: RTV1000 Conc-Reqs: RTV1510L

RTV1510L	Studio Television Production Lab	1.00	Pre-Reqs: RTV1000L Conc-Reqs: RTV1510
RTV2541	Team Media Production	3.00	Pre-Reqs: RTV1000 AND RTV1510 Conc-Reqs: RTV2541L
RTV2541L	Team Media Production Lab	1.00	Pre-Reqs: RTV1000 AND RTV1510L Conc-Reqs: RTV2541

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

| RTV1510 | Studio Television Production | 3.00 | Pre-Reqs: RTV1000 Conc-Reqs: RTV1510L |
| RTV1510L | Studio Television Production Lab | 1.00 | Pre-Reqs: RTV1000L Conc-Reqs: RTV1510 |

... ...   3rd Semester

SEM HRS

| RTV2541 | Team Media Production | 3.00 | Pre-Reqs: RTV1000 AND RTV1510 Conc-Reqs: RTV2541L |
| RTV2541L | Team Media Production Lab | 1.00 | Pre-Reqs: RTV1000 AND RTV1510L Conc-Reqs: RTV2541 |

| 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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Transit Technician I (Limited Access Program)

Program Information

Vocational Certificate - Code 1206 - Catalog 2015/2016
Roger Rowan, Chair, 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, Administrative Assistant, 386-506-4165, cherryb@daytonastate.edu

08/27/2015 M - 2087

Program Mission, Description, and Outcomes

Mission:
The mission of the Transit Technician program is to provide the knowledge, practice and skill development necessary to become a successful bus mechanic.

This program is pending SACSCOC approval.

Description:
This program is designed for high school graduates and others who are interested in a career as a transit technician and incumbent technicians that desire postsecondary vocational training as a means of expanding or enhancing their career opportunities. The content includes but is not limited to the following: maintaining and repairing diesel engines, performing diesel engine and bus preventive maintenance inspections, maintaining and repairing ADA accessible lifts and ramps, maintaining and repairing basic electrical systems, and repairing and maintaining steering and suspension systems. There is on-the-job training conducted at the student's transit property.

The program will be an offsite program located at the Votran headquarters at 950 Big Tree Road, South Daytona, FL 32119. It is conducted in partnership with the Center for Urban Transportation Research at the University of South Florida. It is a limited access program.

Outcomes:
Graduates of the program will be able to:
1. Identify shop organization, management and safety requirements.
2. Demonstrate infection control, AED, CPR, shop and occupational safety procedures.
3. Demonstrate the use of hardware and fastners, basic tools and equipment.
4. Apply proper oxy-acetylene gas practices and techniques.
5. Demonstrate workplace communication skills.
6. Perform bus and forklift preventive maintenance, tire service and repair, and engine preventive maintenance.
7. Maintain and repair transit bus basic electrical components; wheelchair lift, ramp systems and components: and steering and suspension systems.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: There is currently no cost for qualifying technicians.
Financing Options: This program is ineligible for federal financial aid. Accepted students tuition is made possible by scholarship money provided by the Florida Public Transportation Association (FPTA) to qualifying member property technicians.

THE ENTRY QUALIFICATIONS SHALL INCLUDE:
Applicants must apply and be accepted. They must be a current transit employee working in a participating member property.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:
Students who have been selected 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.

Additional Admission Requirements

1. Enrollment is limited to current Transit employees.

Careers

The following information is required by federal regulations to be provided to all 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 the program is three (3) semesters and includes class time and paid on-the-job-training.

49-3031 - Bus and Truck Mechanics and Diesel Engine Specialists
49-3023.01 - Automotive Master Mechanics (Bright Outlook)
49-3041.00 - Farm Equipment Mechanics and Service Technicians
49-3042.00 - Mobile Heavy Equipment Mechanics, except Engines

49-3051.00 - Motorboat Mechanics and Service Technicians
49-3092.00 - Recreational Vehicle Service Technician

For additional information on wages, trend and career information: http://www.onetonline.org/help/bright/49-3031.00.

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**	
		VOC HRS
DIM0810	Transit Equipment Preventive Maintenance	6.67
DIM0811	Transit Basic Electrical Systems	4.00
DIM0812	Transit Wheelchair Lift/Ramp	2.00
DIM0813	Transit Diesel Engine Preventive Maintenance	4.00
DIM0814	Transit Steering and Suspension	4.00

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┌─ Sample Program of Study ──┐

Course	**Title**	
... ...	1st Semester	
		VOC HRS
DIM0810	Transit Equipment Preventive Maintenance	6.67
DIM0811	Transit Basic Electrical Systems	4.00
... ...	2nd Semester	
		VOC HRS
DIM0812	Transit Wheelchair Lift/Ramp	2.00
DIM0813	Transit Diesel Engine Preventive Maintenance	4.00
DIM0814	Transit Steering and Suspension	4.00
TOTAL	VOC. HRS.	20.67
TOTAL	CONTACT HRS.	620.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

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2015-2016 College Catalog. To view previous catalogs, please click here.

Transit Technician II (Limited Access Program)

Transit Technician II (Limited Access Program)

Program Information

Vocational Certificate - Code 1207 - Catalog 2015/2016
Roger Rowan, Chair, 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, Administrative Assistant, 386-506-4165, cherryb@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:
The mission of the Transit Technician program is to provide the knowledge, practice and skill development necessary to become a successful bus mechanic.

This program is pending SACSCOC approval.

Description:
This program is designed for high school graduates and others who are interested in a career as a transit technician and incumbent technicians that desire postsecondary vocational training as a means of expanding or enhancing their career opportunities.
The content includes but is not limited to the following: maintaining and repairing diesel engines, performing diesel engine and bus preventive maintenance inspections, maintaining and repairing ADA accessible lifts and ramps, maintaining and repairing basic electrical systems, and repairing and maintaining steering and suspension systems. There is on-the-job training is conducted at the student's transit property.

The program will be an offsite program located at the Votran headquarters at 950 Big Tree Road, South Daytona, FL 32119. It is conducted in partnership with the Center for Urban Transportation Research at the University of South Florida. It is a limited access program. Students must complete Transit Technician I before enrolling in Transit Technician II.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate shop and occupational safety procedures.
2. Demonstrate employability skills.
3. Apply electrical and electronic principles related to diesel technology.
4. Maintain and repair electrical systems.
5. Maintain and repair transit bus intermediate electrical systems and components; power train systems and components; and brake and air systems.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: There is currently no cost for qualifying technicians.
Financing Options: This program is ineligible for federal financial aid. Accepted students tuition is made possible by scholarship money provided by the Florida Public Transportation Association (FPTA) to qualifying member property technicians.

THE ENTRY QUALIFICATIONS SHALL INCLUDE:
Applicants must apply and be accepted. They must be a current transit employee working in a participating member property. Student must complete Transit Technician I before enrolling in Transit Technician II.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:
Students who have been selected 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.

Additional Admission Requirements

1. Enrollment is limited to current transit employees.
2. Students must complete Transit Technician I before enrolling in Transit Technician II.

Careers

The following information is required by federal regulations to be provided to all 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 the program is three (3) semesters and includes class time and paid on-the-job-training.

49-3031 - Bus and Truck Mechanics and Diesel Engine Specialists
49-3023.01 - Automotive Master Mechanics (Bright Outlook)
49-3041.00 - Farm Equipment Mechanics and Service Technicians

49-3042.00 - Mobile Heavy Equipment Mechanics, except Engines
49-3051.00 - Motorboat Mechanics and Service Technicians
49-3092.00 - Recreational Vehicle Service Technician

For additional information on wages, trend and career information: http://www.onetonline.org/help/bright/49-3031.00.

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	VOC HRS
DIM0820	Transit Hydraulics	2.00
DIM0821	Transit Diesel Electrical and Diesel Engine Electronics	4.00
DIM0822	Transit Drivetrain	4.00
DIM0823	Transit Intermediate Electrical Systems	4.00
DIM0824	Transit Brakes/Air Systems	6.67

Sample Program of Study

Course	Title	VOC HRS
... ...	1st Semester	
DIM0820	Transit Hydraulics	2.00
DIM0821	Transit Diesel Electrical and Diesel Engine Electronics	4.00
DIM0822	Transit Drivetrain	4.00
... ...	2nd Semester	
DIM0823	Transit Intermediate Electrical Systems	4.00
DIM0824	Transit Brakes/Air Systems	6.67
TOTAL	VOC. HRS.	20.67
TOTAL	CONTACT HRS.	620.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Transit Technician III (Limited Access Program)

Transit Technician III (Limited Access Program)

Program Information

Vocational Certificate - Code 1208 - Catalog 2015/2016
Roger Rowan, Chair, 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, Administrative Assistant, 386-506-4165, cherryb@daytonastate.edu

08/27/2015 M - 2090

Program Mission, Description, and Outcomes

Mission:
The mission of the Transit Technician program is to provide the knowledge, practice and skill development necessary to become a successful bus mechanic.

This program is pending SACSCOC approval.

Description:
This program is designed for high school graduates and others who are interested in a career as a transit technician and incumbent technicians that desire postsecondary vocational training as a means of expanding or enhancing their career opportunities. The content includes but is not limited to the following: maintaining and repairing diesel engines, performing diesel engine and bus preventive maintenance inspections, maintaining and repairing ADA accessible lifts and ramps, maintaining and repairing basic electrical systems, and repairing and maintaining steering and suspension systems. There is on-the-job training conducted at the student's transit property.

The program will be an offsite program located at the Votran headquarters at 950 Big Tree Road, South Daytona, FL 32119. It is conducted in partnership with the Center for Urban Transportation Research at the University of South Florida. It is a limited access program. Students must complete Transit Technician I and II prior to enrolling in Transit Technician III. Upon completion of Transit Technician I, II and III a student will be awarded a Vocational (PSAV) Certificate from Daytona State College. The student will also be eligible to test for ASE certification and FTMC certifications. Up to 23 credit hours may be granted toward the Associate of Science Industrial Management Technology Degree.

Outcomes:
Graduates of the program will be able to:
1. Demonstrate shop and occupational safety procedures.
2. Demonstrate employability skills.
3. Maintain and repair transit bus alternative fuels systems and components; advanced electrical systems and components; and heating and air-conditioning systems.
4. Maintain, diagnose, repair and rebuild bus transmission assemblies.
5. Identify principles, assemblies and systems of engine operation.
6. Apply math skills and scientific principles common to diesel technology operations.
7. Troubleshoot and repair engine systems.
8. Rebuild a cylinder-head and block assembly.
9. Remove and replace camshaft assemblies.

Note: The length of this program makes it ineligible for federal and state financial aid.

Approximate Additional Costs

Program Tuition and Fees: There is currently no cost for qualifying technicians.
Financing Options: This program is ineligible for federal financial aid. Accepted students tuition is made possible by scholarship money provided by the Florida Public Transportation Association (FPTA) to qualifying member property technicians.

THE ENTRY QUALIFICATIONS SHALL INCLUDE:
Applicants must apply and be accepted. They must be a current transit employee working in a participating member property. Student must complete Transit Technician I and Trancit Technician II before enrolling in Transit Technician III.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:
Students who have been selected 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.

Additional Admission Requirements

1. Enrollment is limited to current transit employees.
2. Students must complete Transit Technician I and II before enrolling in Transit Technician III.

Careers

The following information is required by federal regulations to be provided to all 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 the program is three (3) semesters and includes class time and paid on-the-job-training.

49-3031 - Bus and Truck Mechanics and Diesel Engine Specialists
49-3023.01 - Automotive Master Mechanics (Bright Outlook)
49-3041.00 - Farm Equipment Mechanics and Service Technicians
49-3042.00 - Mobile Heavy Equipment Mechanics, except Engines
49-3051.00 - Motorboat Mechanics and Service Technicians
49-3092.00 - Recreational Vehicle Service Technician

For additional information on wages, trend and career information: http://www.onetonline.org/help/bright/49-3031.00.

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	VOC HRS
DIM0830	Transit Alternative Fuel Systems	4.00
DIM0831	Transit Advanced Electrical Systems	4.00
DIM0832	Transit Heating and Air Conditioning	6.67
DIM0833	Transmission Diagnosis, Rebuild and Repair	4.00
DIM0834	Diesel Engine Diagnosis, Repair and Rebuild	6.67

Sample Program of Study

Course	Title	VOC HRS
... ...	1st Semester	
DIM0830	Transit Alternative Fuel Systems	4.00
DIM0831	Transit Advanced Electrical Systems	4.00
DIM0833	Transmission Diagnosis, Rebuild and Repair	4.00
... ...	2nd. Semester	
DIM0832	Transit Heating and Air Conditioning	6.67
DIM0834	Diesel Engine Diagnosis, Repair and Rebuild	6.67
TOTAL	VOC. HRS.	25.34
TOTAL	CONTACT HRS.	680.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Web Development Specialist

Web Development Specialist

Program Information

A.S. Certificate - Code 0909 - Catalog 2015/2016
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 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. The program incorporates innovative teaching methods, uses latest technology and industry relevant web coding languages, thus encouraging student success.

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 multiple 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. Program courses transitions directly into Associate of Science in Internet Services Technology and other Associate degree programs.

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 using multiple languages.
6. Perform testing/troubleshooting activities and illustrate professional development skills and general organizational computing workplace competencies.
7. Use integrated development environment, and write codes in multiple web languages to create and support e-commerce websites.

Note: This program is eligible for federal financial aid and state bright futures.

Approximate Additional Costs

Program Tuition and Fees: $3,657*
Access Fee: $173 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $55
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 developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.

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.

Program Length: The typical length of this program is four (4) semesters (45 weeks) for a full-time student, with 40% graduating within 4 semesters for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 83%.

15-1099.04 Web Developers http://www.onetonline.org/link/summary/15-1099.04

For additional Information on wages, trends and career videos:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=151099&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	
DIG2100	Web Design I	3.00	Pre-Reqs: CTS1851 OR DIG1109
CET2154	A+ Computer Repair	4.00	
CET1600	Network Plus	3.00	
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, SQL Server)	3.00	Pre-Reqs: COP1000 AND CTS1851 AND CGS2820
COP1000	Principles of Computer Programming	3.00	
COP2850	Web Programming Project	3.00	Pre-Reqs: CGS2820
COP2842	Web Scripting (PHP)	3.00	Pre-Reqs: COP1000 AND CTS1851
EGS1000	Professional Performance for Technicians	3.00	
CIS2949	Cooperative Education Experience in Computer and Information Systems	1.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
CET2154	A+ Computer Repair	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		
CET1600	Network Plus	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 AND CGS2820
EGS1000	Professional Performance for Technicians	3.00	
... ...	3rd Semester		
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: CGS2820
CIS2949	Cooperative Education Experience in Computer and Information Systems	1.00	

TOTAL ...	35.00

Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

2015-2016 College Catalog. To view previous catalogs, please click here.

Web Systems Software Development

Program Mission, Description, and Outcomes

Mission:
The Web Systems Software Development program provides the student with an understanding of both technical and management aspects of internet based software systems.

This program is pending SACSCOC approval.

Description:
This program consists of 15 credits leading towards requirements for proficiency in development of web systems software including client server based systems, cloud based software development and management, techniques associated with the development of software systems, project management, and database systems design and management.

Outcomes:
Graduates of the program will be able to:
1. Implement internet based client server software systems.
2. Develop applications using modern web programming languages and technologies.
3. Design and implement database systems to support web applications.
4. Implement Software as a Service and Cloud based software systems.
5. Use current software project management techniques in software development.

Note: The length of this program makes it ineligible for federal and state financial aid.

Additional Admission Requirements

1. Applicants must have earned an Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or previous Bachelor of Science (BS) with an overall grade point average of 2.5.

2. Applicants who have not earned an associate degree may be admitted to the program if they have earned at least 60 transferrable college level credits with a grade of "C" or better in all core courses. Applicants in this category must otherwise meet all other requirements for admission which will be granted by approval of the Chair.

3. Students may be required to take prerequisite courses to complete this certificate.

Careers

Careers Associated Job Titles for this certificate are software engineer, software developer, programmer, software architect, database manager, and database designer.

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	
COP4813	Web Systems I	3.00	Pre-Reqs: COP2800 OR COP2220 OR COP2001
COP4708	Applied Database I	3.00	Pre-Reqs: COP2800 OR COP2001 OR COP2220
COP4834	Web Systems II	3.00	Pre-Reqs: COP4813
COP4709	Applied Database II	3.00	Pre-Reqs: COP4708 OR COP2700
CIS4510	IT Project Management	3.00	Pre-Reqs: CET3383

Notes

Courses taken as part of this certificate can be applied to the Bachelor of Science Information Technology Degree - 6334

Welding Technology - Applied

Program Information

Vocational Certificate - Code 1033 - Catalog 2015/2016
Timothy Colburn, Faculty, 386-506-3279,
Roger Rowan, Chair, 386-506-4171, rowanr@daytonastate.edu
Bridgette Cherry, 386-506-4165, cherryb@DaytonaState.edu

08/20/2015 M - 2111

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.
The program provides access to the vocational student with the latest technological equipment and methods. The program embraces diversity, equal access, and equal opportunity for training in the local, state manufacturing market.

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 welding, 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: $119 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $750
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 (51 weeks), with 88% graduating within this timeframe for 2013-14. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) for this field at 56%.

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 Tungston 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 PMT0101 AND PMT0102 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		
... ...	1st Semester		
		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		

		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 PMT0101 AND PMT0102 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

... ...	4th Semester	**VOC HRS**	
PMT0131	Welding VII (Gas Tungsten Arc)	1.00	Pre-Reqs: PMT0106 AND PMT0109 OR PMT0101 AND PMT0102 Conc-Reqs: PMT0131L
PMT0131L	Welding VII (Gas Tungston 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.

2015-2016 College Catalog. To view previous catalogs, please click here.

Wireless Communications

┌─ Program Information ───
A.S. Certificate - Code 0925 - Catalog 2015/2016
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

08/26/2015 M - 2163
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┌─ 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. This program incorporates innovative teaching methods, uses the latest technology, thus encouraging student success.

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. Program courses transfer directly into other Associate of Science degree programs.

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.
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┌─ Approximate Additional Costs ──
Program Tuition and Fees: $1,881*
Access Fee: $89 ($4.93 per credit)
Assessment Fee: $35
Lab Fees: $105
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.
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┌─ Additional Admission Requirements ───────────────────────────────────
- It may be necessary for the student to enroll in a developmental English, Math, or Reading course based upon college placement test scores. See an Academic Advisor to determine course requirements.
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┌─ 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.

Program Lemgth: The typical length of this program is two (2) semesters. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2012-13) 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
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17-3029.05 Industrial Engineering Technologists http://www.onetonline.org/help/bright/17-3029.05>

For additional Information on wages, trends and career videos:
http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&soccode=173029&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	
CET2154	A+ Computer Repair	4.00	
CET2850	Wireless and Mobile Security	3.00	Pre-Reqs: CET1600
CET1600	Network Plus	3.00	
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
CIS2949	Cooperative Education Experience in Computer and Information Systems	2.00	

Sample Program of Study

Course	Title	SEM HRS	
... ...	1st Semester		
CET2154	A+ Computer Repair	4.00	
CET1600	Network Plus	3.00	
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	
... ...	2nd Semester		
CET2850	Wireless and Mobile Security	3.00	Pre-Reqs: CET1600
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.

2015-2016 College Catalog. To view previous catalogs, please click here.

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 by 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 SCNS 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 SCNS. The listing of prefixes and associated courses 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, as listed below in Exception to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 84 different public and non-public 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 part of a course that has the same prefix and course number but 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 a Florida College System institution 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 the semester-term system. 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 subcategory 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 courses that must be evaluated individually or 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, Apprenticeships,   Practica, Study Abroad, Thesis, and Dissertations.
   D. Applied academic for adult education courses.
   E. Graduate courses.
   F. Internships, apprenticeships, 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 (academy certificate courses) are not guaranteed
      as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Non-Regionally Accredited Institutions

The SCNS makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Non-Regionally Accredited Institutions" that contains a comprehensive listing of all non-public 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 SCNS and appeals regarding course credit transfer decisions should be directed to Angela Kennerly in the Office of Academic Affairs at Daytona State College or to 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 SCNS office at (850) 245-0427 or at http://scns.fldoe.org.

Office of Articulation
Florida Department of Education

ACG - Accounting

ACG2021 Principles of Financial Accounting, 3.0 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, payroll, plant assets, current liabilities, bonds payable and investment in stocks and bonds, and corporate: organization, equity rights and earnings. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) FA, SP, SU

ACG2071 Principles of Managerial Accounting, 3.0 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, successful completion of college prep course or qualified developmental exemption and "C" or better in ACG 2021 or permission of chairperson.) FA, SP, SU

Pre-Reqs: ACG2022 OR ACG2021

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: $36.00

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: $52.00

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, 2.33 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
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
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: ACR0002 AND ACR0102

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, 1.67 voc hrs

Oil and gas fired heating systems. Combustion, mechanical and electrical components. FA, SP

Conc-Reqs: ACR0600
Lab Fees: $22.00

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: ACR0150 AND ACR0506
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: ACR0150L AND ACR0506L
Conc-Reqs: ACR0601
Lab Fees: $71.00

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: ACR0002 AND ACR0102
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: $55.00

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: $79.00

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: ACR0150 AND ACR0850 AND ACR0741
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: $60.00

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

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

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: $95.00

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: $48.00

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: $90.00

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: $40.00

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: $26.00

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: $38.00

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: $43.00

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: $31.00

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, successful completion of college prep course or qualified developmental exemption.) 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, successful completion of college prep course or qualified developmental exemption.) 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, successful completion of college prep course or qualified developmental exemption.) 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, successful completion of college prep course or qualified developmental exemption.) 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

Co-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

Co-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. FA, SP

Co-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. FA, SP

Co-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 contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. 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. FA, SP

Co-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. FA, SP

Co-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. FA, SP, SU

Co-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. FA, SP

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 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

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

Pre-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

APA - Accounting

APA1111 Computerized Accounting/Bookkeeping I, 3.0 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

Co-Reqs: QMB1001

APA1121 Computerized Accounting/Bookkeeping II, 3.0 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, Pivot Charts and
other worksheet design techniques. 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 Survey of Art History 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 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

Co-Reqs: ENC1101

ARH2051 Survey of Art History 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 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

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, 1.0 voc hrs
Students will be introduced to the theory of operating today's high tech refinish equipment. Students will learn the proper application of today's refinish materials, while adhering to personal and refinish safety techniques. FA

Conc-Reqs: ARR0121L

ARR0121L Introduction to Refinishing Lab, 3.0 voc hrs
Students will be introduced to the theory of operating today's high tech refinish equipment. Students will learn the proper application of today's refinish materials, while adhering to personal and refinish safety techniques. FA

Conc-Reqs: ARR0121
Lab Fees: $130.00

ARR0122 Refinishing, 1.0 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 Refinishing Lab, 3.0 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 Advanced Refinishing, 1.0 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 Advanced Refinishing Lab, 3.0 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, 1.0 voc hrs

Students will learn vehicle construction, terminology and collision energy management of today's 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, 3.0 voc hrs

Students will learn vehicle construction, terminology and collision energy management of today's 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, 1.0 voc hrs

This course covers frontal impact analysis; and students learn vital repair/replacement decisions as well as how to develop repair plans and proper removal/replacement procedures will be covered. This class also covers function and fit of exterior panels. SP

Pre-Reqs: ARR0241
Conc-Reqs: ARR0242L

ARR0242L Collision Repair Lab, 3.0 voc hrs

This course covers frontal impact analysis; and students learn vital repair/replacement decisions as well as how to develop repair plans and proper removal/replacement procedures will be covered. This class also covers function and fit of exterior panels. SP

Pre-Reqs: ARR0241L
Conc-Reqs: ARR0242
Lab Fees: $133.00

ARR0243 Advanced Collision Repair, 1.0 voc hrs
The students will develop skills in vehicle mechanical system analysis, effects of side and rear impacts, restraint systems and cosmetic straightening of steel. FA

Pre-Reqs: ARR0242
Conc-Reqs: ARR0243L

ARR0243L Advanced Collision Repair Lab, 3.0 voc hrs
The students will develop skills in vehicle mechanical system analysis, effects of side and rear impacts, restraint systems and cosmetic straightening of steel. FA

Pre-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

ARR0381 Introduction to Unibody and Frame, 1.0 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, 3.0 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, 1.0 voc hrs
The 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

Pre-Reqs: ARR0381
Conc-Reqs: ARR0382L

ARR0382L Unibody and Frame II Lab, 3.0 voc hrs
The 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

Pre-Reqs: ARR0381L
Conc-Reqs: ARR0382
Lab Fees: $95.00

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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. FA, SP

Conc-Reqs: ART1754
Lab Fees: $40.00

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. 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. SP

Conc-Reqs: ART1772
Lab Fees: $40.00

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. 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. 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. 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. FA, SP

Conc-Reqs: ART2540

ART2551 Airbrush Techniques, 2.0 sem hrs
The art, history and techniques of the airbrush. Four studio hours. FA, SP

Conc-Reqs: ART2551L

ART2551L Airbrush Techniques Lab, 1.0 sem hrs
The art, history and techniques of the airbrush. Four studio hours. 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. 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. FA, SP

Conc-Reqs: ART2701
Lab Fees: $35.00

ART2702 Sculpture II, 2.0 sem hrs
Continuation and refinement of Sculpture I processes. May be repeated one time for credit. Four studio hours. 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. SP

Conc-Reqs: ART2702
Lab Fees: $35.00

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. 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. 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 potter's wheel. Simple forming, glazing and firing techniques. Four studio hours. 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 potter's wheel. Simple forming, glazing and firing techniques. Four studio hours. FA, SP

Conc-Reqs: ART2752
Lab Fees: $40.00

ART2753 Wheel Throwing II, 2.0 sem hrs

This course is a continuation of ART 2752/2752L (Pottery Wheel Throwing I and Lab). This course focuses on perfecting techniques on the pottery's wheel and on creativity with conceptually based ceramic forms. FA, SP

Pre-Reqs: ART2752
Conc-Reqs: ART2753L

ART2753L Wheel Throwing II Lab, 1.0 sem hrs

This course is a continuation of ART 2752/2752L (Pottery Wheel Throwing I and Lab). This course focuses on perfecting techniques on the pottery's wheel and on creativity with conceptually based ceramic forms. FA, SP

Pre-Reqs: ART2752L
Conc-Reqs: ART2753
Lab Fees: $40.00

ART2755 Ceramics: Hand-Building II, 2.0 sem hrs

This course is a continuation of ART 1754/1754L (Pottery Hand-Building I and Lab). Emphasis will focus upon creativity and conceptual problem solving through the use of ceramic hand-building techniques. FA, SU

Pre-Reqs: ART1754
Conc-Reqs: ART2755L

ART2755L Ceramics: Hand-Building II Lab, 1.0 sem hrs

This course is a continuation of ART 1754/1754L (Pottery Hand-Building I and Lab). Emphasis will focus upon creativity and conceptual problem solving through the use of ceramic hand-building techniques. FA, SP

Pre-Reqs: ART1754L
Conc-Reqs: ART2755
Lab Fees: $40.00

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. 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. 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. FA, SP

Conc-Reqs: ART2834

ASL - Foreign Language (American Sign Language and Interpreting)

[ASL1430 Fingerspelling, 2.0 sem hrs](#)
This course studies the expressive and receptive methods of increased American Sign Language (ASL) fingerspelling dexterity using proper spatial location through ASL discourse, lexicalization, acronyms, abbreviations, numbering systems and tactile fingerspelling. FA, SP, SU

Pre-Reqs: ASL2150

[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 Community. Completion of this course helps satisfy the Daytona State College foreign language requirement. 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. 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. 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. 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, successful completion of college prep course or qualified developmental exemption.) 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 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: MAT1033

BCA - Building Construction (Electrical/Plumbing 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

BCA0431 Plumbing Apprentice 11, 4.1 voc hrs
This course will provide students with knowledge in pipe fabrication, gas installation, oxy-fuel cutting/ shielding metal arc welding, and HVAC refrigeration. FA

Conc-Reqs: BCA0431L

BCA0431L Plumbing Apprentice 11 Lab, 22.66 voc hrs
This course will provide students with opportunities to apply and demonstrate knowledge in pipe fabrication, gas installation, oxy-fuel cutting/shielding metal arc welding, and HVAC refrigeration. FA

Conc-Reqs: BCA0431

BCA0432 Plumbing Apprentice 12, 4.1 voc hrs
This course will provide students with knowledge of hydronic heating and cooling and steam systems, plumbing service and repair, plumbing fixtures and appliances, pumps, and water supply. SP

Conc-Reqs: BCA0432

BCA0432L Plumbing Apprentice 12 Lab, 22.66 voc hrs
This course provides opportunities for students to demonstrate knowledge and skills related to hydronic heating, cooling and steam systems, plumbing service and repair, plumbing fixtures and appliances, pumps, and water supply. SP

Conc-Reqs: BCA0432

BCA0433L Plumbing Apprentice 13 Lab, 21.33 voc hrs
This course will provide students with the opportunity to demonstrate knowledge of pipe fabrication and oxy-fuel cutting/shielded metal arc welding, plumbing service and repair, plumbing fixtures and appliances, and water supply. SU

BCA0434 Plumbing Apprentice 14, 4.1 voc hrs
This course will provide students with knowledge in chilled water systems, building automation and pneumatic controls, backflow prevention, cross connection, and control. FA

Conc-Reqs: BCA0434L

BCA0434L Plumbing Apprentice 14 Lab, 22.66 voc hrs
This course provides opportunities for students to demonstrate knowledge and skills related to chilled water systems, building automation and pneumatic controls, backflow prevention, cross connection, and control. FA

Conc-Reqs: BCA0434

BCA0435 Plumbing Apprentice 15, 4.1 voc hrs

This course will provide students with knowledge of plumbing code applications, foreman training, gas tungsten arc welding, instrumentation, and process control. SP

Conc-Reqs: BCA0435L

BCA0435L Plumbing Apprentice 15 Lab, 22.66 voc hrs

This course will provide students with knowledge of plumbing code applications, foreman training, gas tungsten arc welding, instrumentation, and process control. SP

Conc-Reqs: BCA0435

BCA0450L Plumbing Apprentice 1 Lab, 21.33 voc hrs

This course will provide students with the opportunity to demonstrate their knowledge of job safety, health, use and care of tools, pipe fabrication, rigging, drawing interpretation, plan reading, mathematics, and customer service related to the piping industry. SU

BCA0451 Plumbing Apprentice 2, 4.1 voc hrs

This course will provide students the opportunity to demonstrate their knowledge and skills related to various types of pipe, labor history, job safety, health, use and care of tools, soldering, brazing, and mathematics related to the piping industry. FA

Conc-Reqs: BCA0451L

BCA0451L Plumbing Apprentice 2 Lab, 22.66 voc hrs

This course will provide students the opportunity to demonstrate their knowledge and skills related to various types of pipe, labor history, job safety, health, use and care of tools, soldering, brazing, and mathematics related to the piping industry. FA

Conc-Reqs: BCA0451

BCA0452 Plumbing Apprentice 3, 4.1 voc hrs

This course will provide students with knowledge of mathematics related to the piping industry, pipe fabrication, basic electricity, related science, rigging, drawing interpretation, and plan reading. Students receive training in customer service skills. SP

Conc-Reqs: BCA0452L

BCA0452L Plumbing Apprentice 3 Lab, 22.66 voc hrs

This course will provide students with opportunities to apply knowledge of mathematics and science related to the piping industry including pipe fabrication, basic electricity, rigging, drawing interpretation, and plan reading. Students will demonstrate customer service skills. SP

Conc-Reqs: BCA0452

BCA0453L Plumbing Apprentice 4 Lab, 21.33 voc hrs
This course will provide students with opportunities to apply general knowledge of ventilation, air conditioning, refrigeration, and conservation and safe handling of refrigerants. Students will demonstrate knowledge in hydronic heating and cooling, pipe layout, the various piping fixtures, valves, electric controls, HVAC, refrigeration controls, drainage, equipment, and skills in customer service. SU

BCA0454 Plumbing Apprentice 5, 4.1 voc hrs
This course will provide students with the fundamentals of oxy-fuel cutting and shielded metal arc welding along with general knowledge of ventilation, air conditioning, refrigeration, electric motors, conservation, and safe handling of refrigerants. Students will gain knowledge of intermediate mathematics for the piping industry. FA

Conc-Reqs: BCA0454L

BCA0454L Plumbing Apprentice 5 Lab, 22.66 voc hrs
This course will provide students with the opportunity to demonstrate their understanding of the fundamentals of oxy-fuel cutting and shielded metal arc welding while applying general knowledge of ventilation, air conditioning, refrigeration, and electric motors within the piping industry. Students will apply knowledge of intermediate mathematics for the piping industry. Students also learn conservation and safe handling of refrigerants. FA

Conc-Reqs: BCA0454

BCA0455 Plumbing Apprentice 6, 4.1 voc hrs
This course will provide students with the knowledge in hydronic heating and cooling, pipe layout, gas installation, various piping fixtures, valves, equipment, electric controls, HVAC and refrigeration controls, drainage, plumbing service and repair, and skills in customer service. SP

Conc-Reqs: BCA0455L

BCA0455L Plumbing Apprentice 6 Lab, 22.66 voc hrs
This course will provide students with opportunities to apply knowledge in hydronic heating and cooling, pipe layout, gas installation, various piping fixtures, valves, equipment, electric controls, HVAC and refrigeration controls, drainage, plumbing service and repair, and skills in customer service. SP

Conc-Reqs: BCA0455

BCA0456L Plumbing Apprentice 7 Lab, 21.33 voc hrs
This course will provide students with opportunities to demonstrate knowledge of oxy-fuel cutting/welding and shielded metal arc welding, hydronic heating and cooling, pumps, air conditioning, and ventilation. Students will demonstrate knowledge in plumbing code application. SU

BCA0457 Plumbing Apprentice 8, 4.1 voc hrs
This course will provide students with knowledge of customer service, and the plumbing code and its application to pumps, air conditioning, and ventilation. FA

Conc-Reqs: BCA0457L

BCA0457L Plumbing Apprentice 8 Lab, 22.66 voc hrs
This course will provide students with opportunities to gain knowledge and demonstrate skills using pumps, air conditioning and ventilation, and customer service in plumbing code application. FA

Conc-Reqs: BCA0457

BCA0458 Plumbing Apprentice 9, 4.1 voc hrs
This course will provide students with knowledge in steam system technology, oxy-fuel cutting/welding and shielded metal arc welding, hydronic heating and cooling, and refrigeration and air conditioning. SP

Conc-Reqs: BCA0458L

BCA0458L Plumbing Apprentice 9 Lab, 22.66 voc hrs
This course will provide students with opportunities to apply knowledge in steam system technology, oxy-fuel cutting/welding and shielded metal arc welding, hydronic heating and cooling, and refrigeration and air conditioning. SP

Conc-Reqs: BCA0458

BCA0459L Plumbing Apprentice 10 Lab, 21.33 - 21.4 voc hrs
This course will provide students the opportunity to install compressed air piping systems, corrosive resistant waste piping, medical gas piping, and private waste disposal and water supply systems, the installation of swimming pools and hot tubs. Knowledge of refrigeration equipment and applications such as supermarket installations, low temperature applications, compound compression systems, cascade and ultra-low temperature systems along with the fundamental operating concept of pneumatic controls, centrifugal and absorption cooling (lithium bromide and water-ammonia systems) will be detailed in the course. SU

BCH - Biochemistry

BCH3023 Biochemistry I, 3.0 sem hrs
Survey of the fundamental components of biochemistry. 3 hours lecture and 3 hours lab. FA

Co-Reqs: CHM2210 AND CHM2210L
Pre-Reqs: CHM1046 AND CHM1046L
Conc-Reqs: BCH3023L

BCH3023L Biochemistry I Lab, 1.0 sem hrs
Lab portion: Survey of the fundamental components of biochemistry. FA

Co-Reqs: CHM2210 AND CHM2210L
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: $69.00

[BOT2150 Native Plants of Central Florida, 3.0 sem hrs](#)
This course will explore plants native to Central Florida including those in the coastal regions and inland wetlands and their interaction with the environment. SP

Pre-Reqs: BSC1010 AND BSC1010L
Lab Fees: $25.00

[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. SP

Pre-Reqs: BOT1010 AND BSC1010
Lab Fees: $25.00

BSC - Biological Science

[BSC0070 Basic Anatomy and Physiology for Health Careers, 1.5 voc 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 them to build a sound knowledge base for further studies in health care programs. Topics examined during the course will be all of the systems of the body. This course can not be applied to the A.A. degree. FA, SP, SU

[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

[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. FA, SP, SU

Co-Reqs: BSC1005 AND ENC1101
Lab Fees: $50.00

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: MAT1033 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 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: $59.00

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: $74.00

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

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: 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

Conc-Reqs: BSC1085
Lab Fees: $80.00

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 II 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: $83.00

BSC2905 Directed Study in Biological Sciences, 1.0 - 4.0 sem hrs

Directed Study in Biological Science (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) 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. FA, SP, SU

BUL - Business Law

BUL2241 Business Law I, 3.0 sem hrs

An introduction to the legal setting in which businesses operate. Coverage includes introduction to law, constitutional law, administrative law, torts, crimes, contracts, ethics and the effect of government regulation on businesses. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) FA, SP, SU

BUL2242 Business Law II, 3.0 sem hrs

This course is a continuation of Business Law I (BUL 2241) which reflects current thinking and recent changes in the law, and examines the Uniform Commercial Code (UCC), sales and secured transactions, creditor's rights, agency and business organizations. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) 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

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: $19.00

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

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, successful completion of college prep course or qualified developmental exemption.) 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, successful completion of college prep course or qualified developmental exemption.) FA, SP, SU

CCJ1080 Introduction to Criminal Forensic Studies, 3.0 sem hrs
This course is a survey course introducing the students to the multidisciplinary nature of forensics. Topics will represent different disciplines and will discuss the role of each discipline in criminal justice forensics. FA, SP

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. FA

CCJ2650 Drugs, Alcohol and Crime, 3.0 sem hrs
This course presents an overview of the crime problems associated with the use of drugs and dangerous substances, with the impact of these problems on society and criminal justice. FA, SP

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

Pre-Reqs: COP2220 OR COP2001 OR COP2700 AND COP2800

CEN3722 Human Computer Interfaces, 3.0 sem hrs
The students will learn the basic elements of design and evaluation of human computer interfaces. Topics will include interface design, ergonomic consideration, interface design best practices, integrating design with user requirements, and common design elements of computer interfaces. Programming will be required. FA, SP, SU

Pre-Reqs: COP2800

CEN4010 Software Engineering, 3.0 sem hrs
This course covers the study and application of engineering to the design, development, and maintenance of software. This course requires programming. FA, SP, SU

Pre-Reqs: COP3530

CEN4801 Systems Integration, 3.0 sem hrs
Studies the process of integration of different software systems and applications into an organization. Covers issued with integrating software systems in large organizations including developing requirements, security, interoperability, business process documentation and support, testing, and maintenance. FA, SP, SU

Pre-Reqs: COP3530

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: $26.00

CET1600 Network Plus, 3.0 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, SU

Lab Fees: $15.00

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

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

Pre-Reqs: CET1112L
Conc-Reqs: CET2123
Lab Fees: $16.00

CET2154 A+ Computer Repair, 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: $15.00

CET2615 Advanced Cisco Router Configuration, 3.0 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

Pre-Reqs: CET1600

CET2620 Cisco Wide Area Network (WAN), 3.0 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, 3.0 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). SP

Pre-Reqs: CET2615

CET2626 Building Cisco Remote Access Networks, 3.0 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, 3.0 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

CET2850 Wireless and Mobile Security, 3.0 sem hrs
Site survey, installation, configuration, and troubleshooting of Wireless Local Area Networks. Basic RF and antenna theory. 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

CET3116 Digital Technology, 4.0 sem hrs
Class provide Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic.FA, SP

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

CET3906 Directed Study in Computer Engineering Technology, 1.0 sem hrs
Independent Study. FA, SP, SU

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. SP

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. SP

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. SP

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. SP

Conc-Reqs: CET4138

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.FA, SP

Pre-Reqs: CET4663 AND CET4884

CET4860 Introduction to Digital Forensics, 3.0 sem hrs
Topics will include; forensic process; forensic duplication; authentication; file recovery; file systems; FAT file system; digital artifacts, and various digital forensic tools. FA, SP

Pre-Reqs: CTS3348

CET4861 Advanced Digital Forensics, 3.0 sem hrs
Topics include forensic process, NTFS, EXT, HFS+ file systems, Window's registry forensics, RAM and SWAP capture, and mobile device forensics. This is a hands-on course that requires prior knowledge of computer systems and Linux. (Pre-Reqs: CET 4860 OR CET 4885.)FA

Pre-Reqs: CET4885

CET4862 Network Forensics and Incident Response, 3.0 sem hrs
Course covers identification, recovery and analysis of forensic artifacts from computer and network intrusions. Topics include: incident handling, malware analysis, identifying and recovery evidence of intrusions, data hiding, and identifying network-based attacks. This is a hands-on course that requires prior knowledge of networking and Linux. SP

Pre-Reqs: CET4663

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. FA

Pre-Reqs: CTS3348

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. 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. 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. 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. SP

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. SP

Pre-Reqs: COP1000 AND CTS1851 AND CGS2820

CGS2840 Cryptology, 3.0 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

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

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

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 child's 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.) SU

Lab Fees: $8.00

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, SP, SU

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

CHM - Chemistry

CHM1020 Chemistry in Society, 3.0 sem hrs
This course is for non-science majors who wish to fulfill the general education science requirement. Basic chemical concepts and principles are introduced to help students better connect chemistry to everyday life. ***This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP.

CHM1025 Introduction 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: 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/recitation 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: $42.00

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: $76.00

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: $80.00

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

Pre-Reqs: CHM1046C OR CHM1046
Conc-Reqs: CHM2210
Lab Fees: $71.00

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

Pre-Reqs: CHM2210C OR CHM2210
Conc-Reqs: CHM2211
Lab Fees: $71.00

CHM2905 Directed Study in Chemistry, 1.0 - 4.0 sem hrs
Directed Study in Chemistry (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) 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. 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. 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. 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, 3.0 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. SP

Pre-Reqs: CET1600 AND CTS2321

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

CIS4250 Ethical Issues in IT, 1.0 sem hrs
This course covers the historical, social and economic consideration of the discipline. It includes studies of professional conduct, risks, and liabilities, and intellectual property relative to the software engineering and computing professions. Software engineering/computing case studies will be used. FA, SP, SU

Pre-Reqs: GEB3213

CIS4360 Applied Cybersecurity, 3.0 sem hrs
Fundamentals of computer security technology, including cryptography, authentication, digital signatures, firewalls, intrusion detection, and network security tools and applications. FA, SP, SU

Pre-Reqs: CTS3348 OR CTS2321 OR COP2800

CIS4510 IT Project Management, 3.0 sem hrs
This course introduces concepts, methodologies, techniques and tools of managing software development. In addition; hardware, computer networks and communication systems configuration will be provided. FA, SP

Pre-Reqs: CET3383

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, successful completion of college prep course or qualified developmental exemption.) 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. SP

CJE2304 Introduction to Police Supervision, 3.0 sem hrs
This course focuses on the fundamentals of criminal justice supervision, such as motivational and discipline techniques, employee performance evaluations, operational planning and implementation. The student will be introduced to the concepts of effective leadership. FA, SP, SU

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, successful completion of college prep course or qualified developmental exemption.) FA, SP, SU

CJK - Criminal Justice

CJK0001 Introduction to Law Enforcement, 0.33 voc hrs
Students will receive a basic understanding of the structure and components of the criminal justice system. Values and ethics are explored. FA, SP, SU.

CJK0012 Law Enforcement Legal, 2.07 voc hrs
This course will provide a solid legal foundation from which students may function as law enforcement officers. Students will learn federal, state, and local laws. FA, SP, SU.

CJK0013 Law Enforcement Interactions in a Diverse Community, 1.33 voc hrs
Students learn the common communication traits of individuals based upon their cultures, experiences, physical and psychological conditions, and how specific situations can challenge a law enforcement officer's effort to perform his or her duties. FA, SP, SU.

CJK0014 Law Enforcement Interviewing and Report Writing, 1.87 voc hrs
This course covers note taking, interviewing and report writing principles for law enforcement officers. 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: $75.00

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

CJK0064 Law Enforcement Fundamentals of Patrol, 1.17 voc hrs
This course provides an overview of the law enforcement techniques and tactics that officer's use while on patrol. The course focuses on the use of communications equipment, Community Oriented Policing, officer safety, and basic instruction on responding to calls and making arrest. FA, SP, SU.

CJK0065 Law Enforcement Calls for Service, 1.2 voc hrs
This course provides an overview of the more common calls for service that a law enforcement officer may encounter. Students are taught proper techniques for responding to a variety of calls for service. FA, SP, SU.

CJK0077 Criminal Investigations, 1.67 voc hrs
Students will learn to conduct an initial investigation of crimes against persons, society, property, and economic crimes. FA, SP, SU.

CJK0078 Law Enforcement Crime Scene to Courtroom, 1.17 voc hrs
Students will learn appropriate procedures for processing a crime scene, handling a criminal investigation and preparing the case for court. FA, SP, SU.

CJK0084 Law Enforcement DUI Traffic Stops, 0.8 voc hrs
This course outlines the specific procedures for detection, apprehension and prosecution of DUI offenses. Students will learn to perform the Standardized Field Sobriety Test. FA, SP, SU.

CJK0087 Law Enforcement Traffic Stops, 1.0 voc hrs
Students will learn the basic procedures for conducting safe, effective, professional traffice stop. FA, SP, SU.

CJK0088 Law Enforcement Traffic Crash Investigations, 1.06 voc hrs
This course introduces the student to traffice crash investigations, laws pertaining to traffic crashes and procedures for responding to a traffic crash. FA, SP, SU.

CJK0092 Law Enforcement Criminal Incidents, 1.46 voc hrs
This course provides an overview of law enforcement techniques and tactics employed in confronting large scale or critical incidents. FA, SP, SU.

CJK0096 Law Enforcement Officer Physical Fitness Training, 2.0 voc hrs
This course evaluates the student's 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 responsibilities 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: $24.00

CJL - Criminal Justice

CJL2072 Civil Rights and Liability in Criminal Justice, 3.0 sem hrs
This course focuses on the study of ethical thought and issues facing the criminal justice and legal profession regarding law and legal liability. Topics include constitutional law, liability concerns, and codes and standards of conduct that are specific to the criminal justice system. Students will leave this course better suited to make critical decisions as a public servant. FA, SP, SU

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. 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. FA, SP, SU

CNT - Computer Networking

CNT2402 Certified Ethical Hacker, 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

CNT3104 Introduction to Telecommunications, 2.0 sem hrs
This course introduces the fundamentals of telecommunications. Topics include: sound, electrical signal, electromagnetic spectrum, the telephone and the telephone lines, manipulating information for transmission, open system interconnection, the digital circuit switch, signaling, distributed switching architecture, and IP routing fundamentals. FA, SP, SU

Pre-Reqs: PHY2049 OR EET1011 OR EET3086 OR EET3085

CNT4007 Data and Computer Communications, 3.0 sem hrs
This course examines the modern local and metropolitan area networks. Topics include: data communications, protocols, transmission media and topology, protocol architecture, logical link control, network reliability, and LAN performance. Offered: FA, SP

Pre-Reqs: CNT3104

CNT4703 Voice and Data Network Design, 3.0 sem hrs

Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results.

Pre-Reqs: CNT3104 AND CNT4007

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. FA, SP, SU

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. SP, SU

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. 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. FA

Pre-Reqs: COP1000 OR MAC1105

COP2360 C# Programming, 3.0 sem hrs

This course is a programming course on the study of Microsoft Visual C# programming language with emphasis on object-oriented programming. Topics include control structures, methods, arrays, exception handling and inheritance. FA

Pre-Reqs: COP1000

COP2654 IPhone/I Pad Programming, 3.0 sem hrs
The students will be trained in techniques for creation and implementation of well-designed iPhone programs. The student applies the Objective-C programming language to create applications that run on iOS devices, including iPad, Phone, and iPod. Students will learn how to run apps on their own devices and how to distribute apps to the Apple Store. FA

Pre-Reqs: COP1000

COP2660 Programming for Mobile Devices: Android, 3.0 sem hrs
This is a programming course designed to develop Android-based Applications for mobile devices and tablets. It will use the Android Software Development Kit (SDK) to create and test Apps on the Android Emulator and/or on students' own devices. Topics include User Interface Layouts and Views, Event Handling, and Publishing an App. SP

Pre-Reqs: COP2800

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, SP, SU

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. 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. 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. FA

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. SP

Pre-Reqs: 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 programming—design, 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

COP3530 Data Structures, 3.0 sem hrs
This course introduces fundamentals of Data Structures. Topics include: Programming strategies, Data Structures, Searching, Complexity, Queues, Sorting, and Algorithms. FA, SP, SU

Pre-Reqs: COP2800 OR COP2001 OR COP2220 AND MAD2104 OR COT3100

COP4610 Operating Systems, 3.0 sem hrs
This course covers modern operating system principles. Topics include memory management, peripheral device management, file system management and process management. Different types of operating systems and their administrations are studied. FA, SP, SU

Pre-Reqs: CTS3348 OR CTS2321

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. FA, SP

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. SP

Pre-Reqs: COP4708 OR COP2700

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. Extensive computer programming with Javascript and HTML5 will be performed. Course Project is Required. FA

Pre-Reqs: COP2800 OR COP2220 OR COP2001

COP4834 Web Systems II, 3.0 sem hrs
Advanced web design with server side technology (focus on .NET) is covered. Students will develop, test, and publish database driven web sites using cloud based servers and .NET publishing standards including code management. Programming project is required. SP

Pre-Reqs: COP4813

COS - Cosmetology

COS0012L Barbering Lab - Level I, 8.0 voc hrs
Orientation to the field of barbering: 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: $598.00

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

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

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: COS0080L AND COS0081L AND COS0083L AND COS0082L
Lab Fees: $85.50

COS0501L Barbering Bridge Lab - 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. (Prerequisite: Permission of chairperson.) FA, SP, SU

Lab Fees: $15.00

COS0511L Barbering Lab - Level II, 8.0 voc hrs
The Science of Barbering: This course is a continuation of basic skills and concept development from Level I. Students will be taught the principles and concepts of barbering while developing basic skills, techniques, and preparing students to work on clients. This will include hands-on lab experience and instruction to include histology of skin disorders and diseases, and the operation of electrical equipment. FA, SP, SU

Pre-Reqs: COS0012L
Lab Fees: $50.00

COS0560L Barbering Lab - Level III, 8.0 voc hrs
Professional Barbering: The student will acquire knowledge of the principles and concepts of barbering. Intermediate skills will be perfected on clients in the school-operated shop. FA, SP, SU

Pre-Reqs: COS0012L AND COS0511L
Lab Fees: $70.00

COS0570L Barbering Lab - Level IV, 8.0 voc hrs
Advanced Barbering Techniques: The student will acquire knowledge of additional chemical services that are often offered in Barbershops as well as perfecting haircutting and styling techniques. Skills will be perfected in the school-operated salon. FA, SP, SU

Pre-Reqs: COS0012L AND COS0511L AND COS0560L
Lab Fees: $69.00

[COS0580L Barbering Lab - Level V, 8.0 voc hrs](#)
Focus of the course will be The Business of Barbering in which State Board preparation is emphasized. Theoretical knowledge and skills will be perfected to employment competency level in the school-operated shop. FA, SP, SU

Pre-Reqs: COS0012L AND COS0511L AND COS0570L AND COS0560L
Lab Fees: $49.00

[COS0905 Directed Study in Cosmetology, 1.0 - 4.0 voc hrs](#)
Directed Study in Cosmetology FA, SP, SU

[COS0930 Special Topics/Seminar in Cosmetology, 1.0 - 4.0 voc hrs](#)
The course provides supplemental theroy, skills, techniques and practice in the field of cosmetology. The course assists to prepare students to take the cosmetology exam for state licensure. FA, SP

COT - Computer Science

[COT3100 Discrete Computational Analysis, 3.0 sem hrs](#)
This course applies basic mathematical logic skills and foundations used in Computer Science and Information Technology. Topics include logic rules, tautologies, boolean algebra, set theory, mathematical induction and other topics of discrete computational analysis. SP

Pre-Reqs: MAC1105 OR MGF2106 OR COP1000

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

CSP - Cosmetology

[CSP0003L Cosmetology Bridge Lab - Introduction to Cosmetology, 8.0 voc hrs](#)
The student will acquire knowledge of the principles of Florida law, history of cosmetology, the art of artificial nails, hair removal (including hot and cold waxing techniques), manicures and pedicures, applying make-up and hair braiding. To be eligible for this program, you must already possess a valid Barber license. FA, SP, SU

Lab Fees: $61.00

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, SU

[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. FA

Pre-Reqs: CGS2100

[CTS2302 Microsoft Windows Active Directory Services, 3.0 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

[CTS2306 Microsoft Windows Professional, 3.0 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, SU

[CTS2310 Designing Windows Network Security, 3.0 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: CET1600

CTS2311 Linux Networking and Security, 3.0 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, 3.0 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. FA

CTS2321 Linux Fundamentals, 3.0 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, 3.0 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. SP

CTS2370 Virtualization Infrastructure: Installation and Configuration, 3.0 sem hrs
In this course, students learn the concepts and capabilities of virtual architecture with a focus on the installation, configuration, and management of a VMware virtual infrastructure. This course covers fundamentals of virtual network design and implementation, fundamentals of storage area networks, virtual switching, virtual system management, and engineering for high availability. FA, SP

Pre-Reqs: CET1600 AND CTS2321

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 Microsoft's 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. SU

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. SU

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

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 include; installation; creating and maintaining file systems; user and group administration; backup and restore processes; network configuration; managing system services; security administration; and updating and maintaining the system. FA, SP

Pre-Reqs: COP2800 OR COP2001 OR COP2220 OR CTS2321

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. FA, SP, SU. May be repeated one time for credit.

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. 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. 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. FA, SP. May be repeated one time for credit.

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. 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. 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. FA, SP, SU. May be repeated one time for credit.

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. FA, SP. May be repeated one time for credit.

DAA2101 Modern Dance II, 3.0 sem hrs
Intermediate techniques and performance comprise the course. May be repeated one time for credit. FA, SP May be repeated one time for credit.

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. 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. 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. FA, SP. May be repeated one time for credit.

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. 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. 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. FA, SP. May be repeated one time for credit.

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. 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. FA, SP

Pre-Reqs: DAA1100

DAA2640 Choreography and Dance Ensemble, 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 three times for credit. FA, SP

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. 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.FA, SP

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: DES0103 AND DES0103L
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

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: DEA0020 AND DEA0020L
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 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 business 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: DEA0020 AND DEA0020L AND DES0205L AND DES0205
Lab Fees: $8.00

[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: DEA0801 AND DEA0801L AND DEA0850L

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: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086
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: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086

[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, power instrumentation and debridement, dentin hypersensitivity, dental ergonomics, family abuse and neglect and the care of patients with 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. Lectures focus on the care of patients with orthodontic applicances and dental prostheses, dental implants, and use of tobacco products. Lectures also include 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: DEH1800 AND DEH1800L
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 BSC1086L AND CHM1025L 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: BSC1086 AND BSC1086L AND DEH1602

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: DEH1602 AND DEH2804
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: DEH1602 AND DEH2804
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: DEH1802 AND DEH1802L
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. 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

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. 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. FA, SP, SU

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. SU

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
Pre-Reqs: DES0002
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
Pre-Reqs: DES0002
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: DEA0000 AND DEA0020 AND DEA0020L

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
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
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 perform 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: BSC1085 AND BSC1085L AND BSC1086L AND BSC1086

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: BSC1086 AND BSC1086L AND DEH1802

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. FA, SP

Lab Fees: $25.00

DIG2000 Introduction to Digital Media, 3.0 sem hrs
This course explores the avenues of contemporary digital design, highlighting the importance of process, innovation, and communication. Students will become familiar with design projects, ranging from traditional print, sophisticated websites, interactive digital media, and motion graphics. The course will focus on developing and refining the design concept and the execution strategy. FA, SP

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

DIG2500 Fundamentals of Interactive Media, 3.0 sem hrs
This course studies the implementation of the foundations of interactive media including user-interface design concept, optimization/performance issues, resources and tools. Students combine audio, video, imaging, animation and other media formats to construct an interactive product using industry-standard software. FA, SP

DIM - Diesel Mechanics

DIM0810 Transit Equipment Preventive Maintenance, 6.67 voc hrs
The purpose of this course is to develop the competencies essential to the public transit bus technology industry. This is the introductory course into transit maintenance which includes identifying shop organization, management, and safety requirements, demonstrating infection control procedures, demonstrating MSDS, AED, and CPR procedures and practicing general shop safety. Students will also demonstrate the use of hardware and fasteners, basic tools and equipment, perform transit bus and forklift preventive maintenance, perform tire service, identification and repair, and demonstrate workplace communication skills and qualifications for employment. SP

DIM0811 Transit Basic Electrical Systems, 4.0 voc hrs
This course will provide the students with the skills and knowledge needed to diagnosis and repair basic electrical sytems and electrical components on transit buses. SP

DIM0812 Transit Wheelchair Lift/Ramp, 2.0 voc hrs
This course will provide the students with the skills and knowledge needed to diagnosis and repair wheelchair lift/ramp components on transit buses. SP

DIM0813 Transit Diesel Engine Preventive Maintenance, 4.0 voc hrs
This course will provide the students with the skills and knowledge needed to diagnosis and conduct preventive maintenance on transit buses. SP

DIM0814 Transit Steering and Suspension, 4.0 voc hrs
This course will provide the students with the skills and knowledge needed to maintain and repair steering suspension systems. SP

DIM0820 Transit Hydraulics, 2.0 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair transit Hydraulics systems. (Students must have completed the Transit Technician I Program.) SP

DIM0821 Transit Diesel Electrical and Diesel Engine Electronics, 4.0 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair transit Diesel Electrical and Diesel Engine Electronics sytems. (Students must have completed the Transit Technician I Program.) SP

DIM0822 Transit Drivetrain, 4.0 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair transit drivetrain systems. (Students must have completed the Transit Technician I Program.) SP

DIM0823 Transit Intermediate Electrical Systems, 4.0 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair electrical systems. (Students must have completed the Transit Technician I Program.) SP

DIM0824 Transit Brakes/Air Systems, 6.67 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair brake and air systems (Students must have completed the Transit Technician I Program.) SP

DIM0830 Transit Alternative Fuel Systems, 4.0 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair alternative fuels systems. (Students must have completed the Transit Technician I and II Programs.) SP

DIM0831 Transit Advanced Electrical Systems, 4.0 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair advanced electrical systems. (Students must have completed the Transit Technician I and II Programs.) SP

DIM0832 Transit Heating and Air Conditioning, 6.67 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair advanced electrical systems (Students must have completed the Transit Technician I and II Programs.) SP

DIM0833 Transmission Diagnosis, Rebuild and Repair, 4.0 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair transmissions. (Students must have completed the Transit Technician I and II Programs.) SP

DIM0834 Diesel Engine Diagnosis, Repair and Rebuild, 4.0 voc hrs
This course will provide the student with the skills and knowledge to maintain and repair diesel engines and related components. (Students must have completed the Transit Technician I and II Programs.) SP

EAP - English

EAP1501 Accent Reduction, 3.0 sem hrs
This course is designed to equip students with the necessary skills to proximate spoken Standard American English. Topics will range from individual sounds of letters and words to the holistic concepts that make up sentences and phrases. Additionally, instruction is provided to help build a strong, college-level vocabulary through a research-based technique with proven results. 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

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.

EDE4943 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 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 15 hours of field experience in the public schools. This course is offered during the FA, SP and SU terms.

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 15 hours of 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 (A.A.) degree.*** This course is offered during the FA, SP and SU terms.

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, SP and SU terms.

Pre-Reqs: EDG4323

EDG - Education

EDG2905 Directed Study in Education, 1.0 - 3.0 sem hrs
Directed Study in Education (Prerequisite:Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) 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 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 administrator's 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, SU

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: $10.00

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: $11.00

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. FA, 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. FA, SP

Conc-Reqs: EET1141
Lab Fees: $13.00

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: $75.00

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. FA

Pre-Reqs: EET1141 AND EET1141L
Conc-Reqs: EET2142L OR EET1141

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. FA

Conc-Reqs: EET2142 OR EET1141L
Lab Fees: $8.00

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: $34.00

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

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

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

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. SP

Pre-Reqs: EET1021 AND EET3085 AND MAC2311

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: EET1141 AND EET3716 AND EET2142
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. SP

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. SP

Conc-Reqs: EET4329
Lab Fees: $21.00

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: EET3716 AND PHY1053 AND MAC2311
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: $21.00

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 may be offered during the FA and SP terms.

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. SP

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 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 and SP terms.

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: EDF4430 AND TSL3080

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 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 term.

Pre-Reqs: EDF4430 AND TSL3080

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 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)

EGN1111 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: EGN1111L

EGN1111L 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: EGN1111

EGN3311 Statics, 3.0 sem hrs
This course covers fundamental concepts and laws of mechanics, coordinate systems and resultants of force systems, free-body diagrams, center of gravity, centroid, moment of inertia, equilibrium of rigid bodies, friction, and analyses of structures. FA

Pre-Reqs: MAC2311 AND PHY2048

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. SP

Co-Reqs: MAP3401 OR MAP2302
Pre-Reqs: ETG3541

EGN3613 Engineering Economics Analysis, 3.0 sem hrs
The course covers application of principles of engineering economy for establishment of equipment and system feasibility with emphasis on economic evaluation of engineering alternatives. Included are calculating project costs, incorporating interest rates, tax implications, risk, and depreciation to assess the relative worth of engineering and generic investment alternatives. FA, SP

Pre-Reqs: MAC2311

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

EGS2033 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 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 term.

Pre-Reqs: EDF4430 AND EDG4323 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
Conc-Reqs: EMS1119L

EMS1119L 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. FA, SP, SU

Co-Reqs: EMS1431
Conc-Reqs: EMS1119
Lab Fees: $206.00

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 EMS1119 AND EMS1119L

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: EMS1119 AND EMS1119L

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: $276.00

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: $160.00

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: EMS2659 AND EMS2668
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: EMS2659 AND EMS2668
Pre-Reqs: EMS2604 AND EMS2604L AND EMS2667
Conc-Reqs: EMS2605
Lab Fees: $175.00

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: $160.00

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

ENC - English Language and Literature

ENC0025 Writing, 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. Recommended based on the student's academic record and available test scores. (ENC 0025/0025L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Conc-Reqs: ENC0025L

ENC0025L Writing Lab, 1.0 college prep hrs

Lab component for ENC0025. 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. Recommended based on the student's academic record and available test scores. (ENC0025/0025L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Conc-Reqs: ENC0025

ENC0055L The English Studio, 1.0 college prep hrs

A co-enrolled class designed to support students taking ENC1101 and to help them gain proficiency in the reading and writing skills needed for success in ENC1101 and beyond. Recommended based on the student's academic record and available test scores. This course cannot be used toward the AA or AS degree requirements. FA, SP, SU

Conc-Reqs: ENC1101

ENC1101 Introduction to Composition, 3.0 sem hrs

This course is designed to develop students' skills as critical readers and thinkers, and as effective writers able to adjust and compose in different rhetorical situations. 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.

ENC1102 Writing with Research, 3.0 sem hrs
This course is designed to continue developing skills for critical thinking, the writing process, and navigating rhetorical situations with the addition of inquiry based on research, synthesis and argument. 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. 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. FA

ENL - English Language and Literature

ENL2330 Introduction to Shakespeare, 3.0 sem hrs
This course introduces students to Shakespeare's 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. FA, SP, SU

Pre-Reqs: ENC1101

EPI - Education

EPI0940 Field Experience I (Professional Foundations), 2.0 sem hrs
This course is intended to strengthen and reinforce strategies and techniques conducted in a fully accredited K-12 school setting. EPI candidates will complete 30 hours of direct observation and participate in lesson delivery, assessment, and collaboration with colleagues over the course of the term. This is for EPI students only.

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. This course is offered every 2 years.

Pre-Reqs: ETC4241 AND MAC1114

ETC4241 Construction Materials and Methods, 2.0 sem hrs
Construction principles, details, materials and methods used as related to the construction of buildings. SP

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. SP

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. FA

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. FA

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. FA

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. FA

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: $60.00

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. 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. SP

Conc-Reqs: ETD2357
Lab Fees: $60.00

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: $60.00

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
Lab Fees: $60.00

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. FA

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
Lab Fees: $60.00

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. SP

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. SP

Conc-Reqs: ETG3533
Lab Fees: $30.00

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. SP

Pre-Reqs: PHY1053 OR PHY2048

ETG3907 Directed Study in Industrial Systems, 3.0 sem hrs
Independent Study. FA, SP, SU

ETG4950 Project Management and Senior Design II, 2.0 sem hrs
The course addresses product design and development, product testing, bill of materials, supplier selection and supply chain management, and product documentation including marketing material. FA, SP

Pre-Reqs: ETI4448
Conc-Reqs: ETG4950L

ETG4950L Project Management and Senior Design II Lab, 1.0 sem hrs

Lab component for: the development of prototype or a full scale product as team work that will involve all techniques and tools learned from Senior Design I, supervised by department faculty of specialization required to support product development. FA, SP

Conc-Reqs: ETG4950
Lab Fees: $100.00

ETI - Engineering Technology (Industrial)

ETI3116 Engineering Quality Assurance, 3.0 sem hrs

This course covers the fundamentals of quality improvement tools and techniques, concepts and methods for quality design and control including statistical process control, control charts, process capability, and the latest quality initiatives and approaches such as Lean Enterprise and Six Sigma. Offered: FA,SP

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. Offered FA

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

This course covers application of technical knowledge to sales and service; relationship of technical sales organization to production, customers, and competitors; and technical knowledge with sales skills to provide advice and support on a range of products. SP

ETI4186 Applied Reliability, 3.0 sem hrs

This course covers practical application of reliability concepts and the analysis applicable to design, development, production, logistic, and operation phases of system components. Principal methods of reliability analysis, including Failure Mode and Effects Analysis (FMEA) and reliability data collection and analysis. FA

Pre-Reqs: ETI3116

ETI4205 Applied Logistics, 3.0 sem hrs

This course emphasizes on practical applications. Includes systems engineering, cost/systems effectiveness, reliability, maintainability, system functional analysis, logistic support, analysis, life cycle cost analysis. It covers everything from organizing the manpower needed to run a management system, planning maintenance, meeting equipment needs and keeping documentation in order. By becoming familiar with these needs, students can create effective and practical support and logistics systems that are easy to maintain and manage. FA

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. FA, SP

Lab Fees: $100.00

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. SP

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.SP

Pre-Reqs: ETI3116

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. SP

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: COP1000 AND EET1021
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

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. FA

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. FA

Pre-Reqs: MAC2311 AND PHY1053 OR PHY2048

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. Offered SP

Pre-Reqs: ETG3533 AND ETG3541 AND MAP3401 AND MAC2311

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: EET1021 AND EET3085
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
Lab Fees: $21.00

ETS - Engineering Technology (Specialty)

ETS3543 Programmable Logic Applications and Device, 2.0 sem hrs
This course presents logic fundamentals, programming technologies, integrated circuits, and number systems to operate and test systems using programmable logic protocol. Use of program control instructions and Data Manipulation with I/O instructions and addresses in laboratory exercises. FA, SP

Pre-Reqs: MAC1105
Conc-Reqs: ETS3543L

ETS3543L Programmable Logic Applications and Device Lab, 1.0 sem hrs
LAB to accompany ETS3543. FA, SP, SU

Conc-Reqs: ETS3543
Lab Fees: $10.00

ETS4502 Metrology and Instrumentation, 2.0 sem hrs
An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. (Prerequisites: ETG 3541 or equivalent; EET 3085 or equivalent; and MAC 2253 or equivalent.) FA

Pre-Reqs: EET3086 AND MAC2311 AND ETG3541
Conc-Reqs: ETS4502L

ETS4502L Metrology and Instrumentation Lab, 1.0 sem hrs
An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. (Prerequisites: ETG 3541 or equivalent; EET 3085 or equivalent; and MAC 2253 or equivalent.) FA

Conc-Reqs: ETS4502

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

Co-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. FA, SP

Co-Reqs: ENC1101

EUH2905 Directed Study in European History, 3.0 sem hrs
Directed Study in European History (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) FA, SP, SU

EVR - Environmental Studies

EVR2001 Introduction to 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

Co-Reqs: ENC1101
Pre-Reqs: BSC1010 AND BSC1010L AND MAC1105 AND CHM1025 AND CHM1025L

EVR2001L Introduction to 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.Enrollment by permission of instructor only. FA

Conc-Reqs: EVR2001
Lab Fees: $100.00

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. SP

Co-Reqs: EVR2001 AND EVR2001L AND 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. 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. SP

Co-Reqs: EVR2933 AND PCB2033
Pre-Reqs: OCE2013 AND OCE2013L

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.
FA, SP, SU

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: $299.00

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
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
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
A study of the fundamentals of leadership for officers and potential officers within the fire service. Specifications of the fire officer's position are covered extensively. FA, SP, SU

FFP2740 Fire Service Instructor, 3.0 sem hrs
A study of the 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
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
An introductory study of the essentials of business finance as applied to corporations, small firms, and governmental units. Topics include financial markets, the banking system, financial assets, risk and return, ratio analysis, capital budgeting, time value of money, and working capital management. FA, SP, SU

FOS - Culinary Management (Food Service)

FOS1201 Sanitation and Safety, 3.0 sem hrs
This course is designed to study the causes and prevention of food spoilage and food borne illnesses. Students 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. 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. 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. 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. SP

Pre-Reqs: FRE2220

FRE2905 Directed Study In French, 1.0 - 4.0 sem hrs
Directed Study in French (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) 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

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

Lab Fees: $150.00

FSS1063 Baking, 2.0 sem hrs
This course provides the 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
This course provides the 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
The student will learn the 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
The student will learn the 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
This course introduces the student to 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](#)

This course introduces the student to 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

[FSS1270 Introduction to Craft Beer and Wine, 3.0 sem hrs](#)

This course is an introduction to the subject of wine and craft beer for culinary industry managers. Topics include the history of wine and beer, production methods, producing regions of the world, grape and wine varieties, brewing ingredients, tasting, food pairing, and service techniques. Classes include tasting labs that focus on developing sensory evaluation skills, and varietal identification. FA, SP

Lab Fees: $50.00

FSS2210 Food Production III, 2.0 sem hrs
This course focuses 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
This course focuses 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

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. 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. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

GEB2430 Ethics and Social Responsibility, 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

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

Co-Reqs: ENC1101

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

GEB4905 Directed Study in Supervision and Management, 1.0 - 4.0 sem hrs
Directed Study in Supervision and Management. FA, SP, SU

GEB4930 Selected Topics in Management, 3.0 sem hrs
Current topics, issues, and trends pertinent to supervisors and managers are discussed. Topical selections rotate each term; view course search information for details on topics offered each term. 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

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

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. 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. 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. 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. 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. 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. FA

Conc-Reqs: GIS2040
Lab Fees: $17.00

GLY - Geology

GLY2010 Physical Geology, 3.0 sem hrs
Detailed study of the materials comprising the earth's 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

Co-Reqs: ENC1101 AND MGF2107 OR MGF2106 OR STA2023 OR MAC2313 OR MAC2312 OR MAC1105 OR MAC1114 OR MAP2302 OR MAC2233 OR MAC2311 OR MAC1140 OR 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 earth's 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.*** 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. SP

Pre-Reqs: GLY2010 AND GLY2010L

GRA - Interactive Media

GRA1543 Graphic Design Studio, 3.0 sem hrs

This course provides an overview of the design industry and the methods of graphic design and visual communications. Covers the application of graphic design production tools and the design process with an emphasis on conceptualization and visualization. FA, SP

Lab Fees: $50.00

GRA2144 Web Publishing, 3.0 sem hrs

The course includes the design, preparation of web sites, including the web home page. Focus is from a graphics point of view and emphasis is on the importance of web page design and layout. The course is taught using various software programs. Basics of HTML for the web will be introduced. FA. SP

Pre-Reqs: GRA1543 AND DIG2000 OR DIG2500

HCP - Nursing - Assistant

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

This course provides students a basic introduction into the hospitality industry. Topics include the foundations of lodging, food and beverage operations, tourism, attractions, and events. Current industry trends, career opportunities, customer service responsibilities, and computer applications are also stressed. FA, SP

HFT1261 Hospitality Service, 3.0 sem hrs

This course teaches the principles of guest service as it relates to the hospitality industry. Students will learn about the challenges of interacting with and helping guests, in addition to understanding how behaviors and attitudes can impact the quality of the guest experience. Topics include problem solving for guests, employee training, tools for assessing quality guest service, and service techniques specific to different areas of the hospitality industry. FA, SP

HFT1410 Lodging Operations I, 3.0 sem hrs

This course will provide an in-depth look at management of the front office and how this department interacts with others in the lodging establishment to create a memorable guest experience. The managerial functions of the lodging front desk operations, reservations, registration, and account settlement will be covered, as well as developmental training in interpersonal skills and communication. SP

HFT1940 Hospitality Practicum I (Basic), 2.0 sem hrs

This course will prepare students to 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 and dining room, applying basic skills learned in the classroom and lab to an industry work situation. FA, SP, SU

Pre-Reqs: FSS1222
Conc-Reqs: HFT1940L

HFT1940L Hospitality Practicum I Lab (Basic), 1.0 sem hrs

This course will prepare students to 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 and dining room, applying basic skills learned in the classroom and lab to an industry work situation. FA, SP, SU

Conc-Reqs: HFT1940
Lab Fees: $150.00

HFT1941 Hospitality Practicum II (Intermediate), 2.0 sem hrs

The 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 and dining room, applying intermediate skills learned in the classroom and lab to an industry work situation. FA, SP, SU

Pre-Reqs: FSS1222
Conc-Reqs: HFT1941L

HFT1941L Hospitality Practicum II Lab (Intermediate), 1.0 sem hrs
The student 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 and dining room, applying intermediate skills learned in the classroom and lab to an industry work situation. FA, SP, SU

Conc-Reqs: HFT1941
Lab Fees: $150.00

HFT2009 Hospitality Professionalism, 3.0 sem hrs
This course prepares students with the academic, technical and workplace skills necessary to seek further education and employment in the hospitality industry. FA, SP

HFT2276 Resorts: Management and Operations, 3.0 sem hrs
This course is an introduction and orientation into the various aspects of the resorts segment of the hospitality industry. The course includes an in-depth study of country clubs, pools and spas, casinos, mountain-based resorts, beach resorts, waterparks, timeshares, specialty resorts, golf courses, and cruise ships. FA, SP

HFT2282 Hospitality Supervision, 3.0 sem hrs
This course covers principles of supervision that are necessary for leading a team of employees within the hospitality industry. Topics include recruitment, selection, orientation, training, evaluation, and leadership skills. Students will also learn procedures related to interviewing, hiring, motivation, and discipline. Upon completion, students should be able to understand and apply basic supervisory skills to the hospitality and service industries. FA, SP

HFT2283 Hospitality Contract Management, 3.0 sem hrs
TThis course will expose students to onsite foodservices, often which are contracted out to third party operations. Study will focus on foodservice needs for healthcare facilities, K-12, college, and university settings, business and industry organizations, assisted living facilities, and correctional facilities. Topics will also include quality control, productivity, and technological advances in onsite foodservice management. FA, SP

HFT2454 Hospitality Purchasing and Controls, 3.0 sem hrs
This course explores the industry standard use of cost controls and purchasing systems. Students will utilize basic math skills to perform food costing, yields, recipe calculation and revenue management. Students will demonstrate best practices and procedures for controlling purchasing and revenue management. FA,SP

HFT2500 Hospitality Marketing, 3.0 sem hrs
Students will be introduced to basic skills and strategies for effective marketing within the hospitality industry. Special emphasis is given to the topics of market segmentation and targeting, internal marketing, services marketing, destination marketing, brand management, and social media as they apply to the practice of hospitality management. 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 students to the key segments that make up the risk management aspect of event planning and management. Students will grow and develop an understanding of the proper principles and fundamentals regarding risk management and safety policies and procedures. The course will additionally cover risk management assessments, analyses, and steps for proper implementation. FA, SP

Pre-Reqs: HFT1000

HFT2750 Event Industry, 3.0 sem hrs
This course will expose students to the importance of event marketing as a specific component of the event planning process. Students will learn about the skills and procedures required to successfully market different types of events, including meetings, conventions, conferences, and social events. Topics concerning the complex coordination of people, resources, and facilities are also covered. FA, SP

HFT2780 Introduction to Casino Operations, 3.0 sem hrs
This course is an introduction and orientation into the various aspects of the casino and gaming industry. This course focuses on the history of casinos and on modern-day trends, career opportunities, and recent innovations in the casino industry. FA, SP

HFT2942 Hospitality Practicum III (Advanced), 2.0 sem hrs
This course is 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
This course is 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

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. 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. 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-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-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: HIM1222 AND HIM1222L AND HIM2253

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-10-PCS 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-10-PCS 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: HIM1000 AND HIM2800

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: HIM1000

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 AND HIM1222 AND HIM2253 AND HIM1273

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: $8.00

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
Lab Fees: $25.00

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

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

HIM2930 Special Topics in Health Information Technology, 3.0 sem hrs
This course is designed to enhance coding skills taught in the earlier coding classes for the Health Information Technology program. FA, SP

Pre-Reqs: HIM1222 AND HIM2234 AND HIM2283 AND HIM2253

HLP - Health and Wellness

HLP1081 Fitness Assessment and Improvement, 3.0 sem hrs
This course evaluates the student's 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

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

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

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. 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. FA, SP, SU

HUM - Humanities

HUM2020 Introduction to Humanities, 3.0 sem hrs
Taking a thematic approach, this course explores how the human experience is expressed creatively through the arts, including visual arts, music, literature and philosophy. 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

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.

Pre-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.

Pre-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. 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 FA, SP, SU

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. FA, SP

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. 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. SP

Co-Reqs: HUS1850 AND PSY1012
Pre-Reqs: HUS1001 AND HUS1424

HUS1400 Introduction to Chemical Dependency/Addiction, 3.0 sem hrs

This course introduces the student to the process of Substance Abuse Counseling. Treatment issues, theories of substance abuse etiology, sociocultural influences, ethical and legal issues, individual/group/family treatments will be covered. FA, SP.

Co-Reqs: PSY1012

[**HUS1421 Assessment and Treatment Planning in Addictions, 3.0 sem hrs**](#)
This course introduces the student to the basic concepts of substance and dependence counseling. A variety of theoretical approaches including relapse prevention, cognitive behavioral, group theory, and family systems will be covered. FA, SP.

Co-Reqs: PSY1012

[**HUS1423 Group Counseling in Substance Abuse, 3.0 sem hrs**](#)
This course introduces the student to the group counseling process for the chemically dependent. Throughout the course, emphasis is placed on the necessity for changing behavior, and how behavior change is best accomplished in the substance abuser cohort. FA, SP.

Co-Reqs: PSY1012

[**HUS1424 Counseling for the Chemically Dependent, 3.0 sem hrs**](#)
This course defines the role of the mental health worker in the treatment of the chemically dependent. The various models of addiction and the classification of drugs will be reviewed. Additionally, the diagnostic process including interviewing techniques, assessment, diagnosis, relapse prevention, and ethics will be addressed. FA, SP.

Co-Reqs: PSY1012

[**HUS1450 Dual Diagnosis, 3.0 sem hrs**](#)
This course introduces the student to the treatment concepts to clients with mental illness who have been diagnosed as having substance abuse problems. Clinical profiles of various DSM disorders will be covered along with the concept of comorbidity. FA, SP.

Co-Reqs: PSY1012

[**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

Co-Reqs: HSC1000 AND HUS1001 AND HUS2520 AND HUS2500
Lab Fees: $9.00

[**HUS2308 Psychotherapy: Theory and Practice, 3.0 sem hrs**](#)
This course introduces the student to the theory and practice of counseling and psychotherapy. Various treatment systems will be covered including emotion and sensation, background, thoughts, actions, and integrative approaches. FA, SP.

Co-Reqs: ENC1101 AND PSY1012

[**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. 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. FA, SP, SU

HUS2520 Dynamics of Abnormal Human Behavior, 3.0 sem hrs

This course is designed to increase knowledge and understanding of the current issues and perspectives in abnormal behavior. The course will introduce the student to the characteristics, classification, diagnosis and treatment of abnormal behavior, as well as the ethical issues associated with the professions that deal with abnormal behavior. FA, SP

Co-Reqs: PSY1012

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

Co-Reqs: HUS1423
Pre-Reqs: HUS1850

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

Co-Reqs: HUS1423
Pre-Reqs: HUS1850 AND HUS2851
Lab Fees: $9.00

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. 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, 3.0 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, 3.0 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: BCN1251 AND HHD1321
Lab Fees: $35.00

IND2411 Materials and Estimating for Kitchen and Bath, 3.0 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: $35.00

IND2501 Professional Practices, 3.0 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 - 3.0 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. FA, SP, SU

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

ISM - Information Management Systems

ISM2000 Business Information Processing, 3.0 sem hrs
Information processing concepts and the use of business software application programs for managers to effectively use the interaction between technology and information to increase personal and organizational competitive advantage. 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: ISM2000, CGS 2100 or equivalent. Senior level status or permission of the chair is required. FA, SP, SU

Co-Reqs: GEB3213
Pre-Reqs: ISM2000 OR CGS2100

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. 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. 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. 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. SP

Pre-Reqs: ITA2220

ITA2905 Directed Study in Italian, 1.0 - 4.0 sem hrs

Directed Study in Italian (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) 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. FA, SP

Pre-Reqs: ENC1101

JOU2905 Directed Study in Journalism, 1.0 - 3.0 sem hrs

Directed Study in Journalism (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) FA, SP, SU

JOU2949 Cooperative Education Experience in Journalism, 1.0 - 4.0 sem hrs

Cooperative Education Experience in Humanities (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) 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 SP or SU term.

Pre-Reqs: RED3309

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 SP term.

Pre-Reqs: EDG4323 AND TSL3080

LIN - English Language and Literature

LIN1670 English Grammar, Usage and Composition, 3.0 sem hrs

This course is an intensive study of the principles of English grammar and usage for those students who wish to improve their understanding and use of standard American English in written discourse of various styles. Recommended based on the student's academic record and available test scores. FA, SP

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, and evaluation of Internet resources. FA, SP, SU

LIT - English Language and Literature

[LIT2000 Literature and Culture, 3.0 sem hrs](#)
This course is a study of selected literary texts organized around a central theme, an historical period, or a cultural movement. Emphasis is placed on developing reading skills for greater comprehension, appreciation, analysis, and cultural awareness. 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

[LIT2030 Understanding Poetry, 3.0 sem hrs](#)
A survey of chronologically selected poets against the background of their periods, with emphasis upon the major themes of poets of all ages. A broad cultural approach.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

[LIT2040 Dramatic Literature, 3.0 sem hrs](#)
A study of chronologically selected plays against the background of their periods, with emphasis upon the dramatic structure and universal 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. SP

Pre-Reqs: ENC1101

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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAT 1033 with grade "C" or better 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: MAT1033

[MAC1114 College Trigonometry, 3.0 sem hrs](#)

Topics include: The unit circle, trigonometric functions (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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAC 1105 with grade "C" or better 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: 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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAC 1105 with grade "C" or better 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: 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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAC 1140 with grade "C" or better 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: 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, anti-derivatives, definite integrals, and Fundamental Theorem of Calculus. A graphing calculator is required. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAC 1140 and MAC 1114 with grade "C" or better 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: MAC1114 AND MAC1140
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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAC 2311/2311L with grade "C" or better 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: 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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAC 2312/2312L with grade "C" or better 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: 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, and modular arithmetic; 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; Graphs and Trees, proofs about graphs and trees, isomorphism and planarity, graphs in puzzles and games. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAC 1114 with grade "C" or better or permission of chairperson or concurrent requisite of MAC 1114). *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 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 15 week class offered during the FA and SP terms.

Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080 AND MAE2801

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 SP term.

Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080

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. 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

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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAC 2312/2312L with grade "C" or better or permission of chairperson or concurrent requisite MAP 2302/2302L). *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. FA, SP

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. 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. 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. 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. FA, SP

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. 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. FA

Pre-Reqs: MAS3105

MAS4203 Number Theory, 3.0 sem hrs
Topics include: Distribution of primes, representations of integers, Fibonacci Numbers, Divisibility, Euclidean algorithm, Mersenne Primes, Fundamental Theorem of Arithmetic, Number-theoretic functions, Diophantine Equations, Congruences, the Chinese Remainder Theorem, Perfect Numbers, Pythagorean Triples, continued fractions, Gaussian Integers, Euler's Theorem, Fermat's Little Theorem, and Wilson's Theorem. (Prerequisite: Placement through appropriate college placement test or passed MAC 2312/2312L with grade "C" or better or permission of chairperson). 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
Lab Fees: $23.00

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: MAT0018 AND MAT0018L
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: MAT0018 AND MAT0018L
Conc-Reqs: MAT0028
Lab Fees: $23.00

[**MAT0055L Developmental Mathematics I Lab, 1.0 college prep hrs**](#)
This course includes topics such as 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. MAT 0055L cannot be used toward A.A. or A.S. degree requirements. FA, SP, SU

Conc-Reqs: MAT1033A
Lab Fees: $23.00

[**MAT0056L Developmental Mathematics II Lab, 2.0 college prep hrs**](#)
This course is a review of basic algebra including but not limited to, operations of real numbers, solving linear equations containing parentheses, fractions, and decimals. Additional topics include graphing linear equations in two variables, polynomials and properties of exponents and factoring. Other topics will include 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, and applied problems, systems of equations, quadratic formula, complex numbers, and completing the square. MAT 0056L cannot be used toward A.A. or A.S. degree requirements. FA, SP, SU

Lab Fees: $23.00

[**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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAT 0028/0028L with grade "B" or better or permission of chairperson). FA, SP, SU

Pre-Reqs: MAT0028 OR MAT0022
Lab Fees: $23.00

[**MAT1033A 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. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAT 0028/0028L with grade "B" or better or permission of chairperson). FA, SP, SU

Pre-Reqs: MAT0028 OR MAT0022
Conc-Reqs: MAT0055L
Lab Fees: $23.00

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. FA, SP, SU

Pre-Reqs: BSC1085 OR BSC1010
Conc-Reqs: MCB1010L

MCB1010L Microbiology Lab, 1.0 sem hrs
Mandatory three-hour laboratory portion of MCB 1010. FA, SP, SU

Conc-Reqs: MCB1010
Lab Fees: $77.00

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: MEA0230 AND MEA0204 AND MEA0231
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: MEA0242 AND MEA0310
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: MEA0242 AND MEA0256
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 MEA0204 AND MEA0231
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 physician's offices, clinic settings and urgent care facilities. The school will be responsible for obtaining the clinical sites, and monitoring the student's progress to complete this portion of the program. SU

Pre-Reqs: MEA0242 AND MEA0256 AND MEA0310
Lab Fees: $8.00

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: ENC1101 AND MAT1033 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 Survey in Mathematics, 3.0 sem hrs

This course is designed to motivate students and to illustrate the relevance of mathematics in everyday life. The objective of this course is not to focus on algebraic manipulation, but rather on the understanding and interpretation of real world applications. Topics include a review of the basic operations of real numbers, sets, linear functions, systems of linear equations, linear programming, introduction to probability and statistics, interest and annuities, and geometry. (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption or passed MAT 0028/0028L with grade "B" or better 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: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0028 OR MAT0022 OR MAT0056L

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. (Prerequisite: Placement through Daytona State College placement test or MAT0028 with grade "B" or better 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: STA2023 OR MAC2233 OR MAC2313 OR MAC2312 OR MAC2311 OR MAC1114 OR MAC1140 OR MAC1105 OR MAT0022 OR MAT0028 OR MAT0056L

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. SP

Pre-Reqs: MAC2311 AND MAC2311L

MKA - Marketing

MKA2021 Sales Fundamentals, 3.0 sem hrs
Designed for the student who holds or aspires to a sales position. Students prepare a complete sales presentation as they apply proven sales techniques. FA

MMC - Mass Communication

MMC1000 Introduction to Mass Communication, 3.0 sem hrs
Introduction to the media of mass communication, covering: media's impact on society; responsibilities and legalities; and careers in broadcasting, newspapers, magazines, book publishing, advertising, the music and movie industries. FA, SP

MNA - Management

MNA0084 Customer Service Representative, 5.0 voc hrs
This course develops students' customer service, human relations, communications, conflict resolution and employability skills. FA, SP

MNA0086 Customer Care Specialist, 5.0 voc hrs
This course builds upon MNA 0084 (Customer Service Representative). Students develop technological literacy, techniques and procedures for information gathering, and techniques for promoting a positive customer service culture. FA, SP

Pre-Reqs: MNA0084

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, leading and controlling will be studied and applied. 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, successful completion of college prep course or qualified developmental exemption.) 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 nation's 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, successful completion of college prep course or qualified developmental exemption.) 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, successful completion of college prep course or qualified developmental exemption.) 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, successful completion of college prep course or qualified developmental exemption.) 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: $18.00

[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: $10.00

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: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption 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. (Prerequisite: Placement through appropriate college placement test or passed MAC 2312/2312L with grade "C" or better or permission of chairperson). FA

Pre-Reqs: MAC2312 AND MAC2312L

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. 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. 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 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

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 artist's 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

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. 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. 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. 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. 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. 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. 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. FA, SP

Pre-Reqs: MUM1610
Lab Fees: $100.00

[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. 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. 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. 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. FA, SP

Pre-Reqs: MUM2609

[MUM2677 Sound Reinforcement II, 3.0 sem hrs](#)
This course is an in-depth study of contemporary production techniques and tools used in live sound reinforcement and concert production. Conventional and in-ear monitor matrix mixing and sound system design with practical application techniques will be studied. FA, SP, SU

Pre-Reqs: MUM1610 AND MUM1622
Lab Fees: $100.00

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. 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. 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. 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. 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. 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.) 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. FA, SP, SU

Pre-Reqs: MUN1031

MUN1120 College Band, 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 three times for credit. Four hours of class per week. FA, SP

MUN1210 Orchestra, 1.0 sem hrs
An instrumental ensemble performing works from the symphonic repertory. May be repeated three times for credit. Four hours of class per week. FA, SP

MUN1340 Concert Choir, 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 three times for credit. Four hours of class per week. (Contact instructor.) FA, SP

MUN1362 Madrigal Dinner Rehearsal and Performance, 1.0 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 three times for credit. FA

MUN1410 String Chamber Ensemble, 1.0 sem hrs
MUN 1410-2410 String Chamber Ensemble. FA, SP, SU

MUN1420 Woodwind Chamber Ensemble, 1.0 sem hrs
MUN 1420-2420 Woodwind Chamber Ensemble. FA, SP, SU. May be repeated three times for credit.

MUN1430 Brass Chamber Ensemble, 1.0 sem hrs
MUN 1430-2430 Brass Chamber Ensemble. FA, SP, SU. May be repeated three times for credit.

MUN1440 Perecussion Chamber Ensemble, 1.0 sem hrs
MUN 1440-2440 Percussion Chamber Ensemble. FA, SP, SU. May be repeated three times for credit.

MUN1450 Keyboard Chamber Ensemble, 1.0 sem hrs
MUN 1450-2450 Keyboard Chamber Ensemble. FA, SP, SU

MUN1460 Mixed Chamber Ensemble, 1.0 sem hrs
MUN 1460-2460 Mixed Chamber Ensemble. FA, SP, SU

MUN1470 Collegium Musician Chamber Ensemble, 1.0 sem hrs
MUN 1470-2470 Collegium Musician Chamber Ensemble. FA, SP, SU

MUN1480 Guitar Chamber Ensemble, 1.0 sem hrs
MUN 1480-2480 Guitar Chamber Ensemble. FA, SP, SU. May be repeated three times for credit.

MUN1490 Early Music Chamber Ensemble, 1.0 sem hrs
MUN 1490-2490 Early Music Chamber Ensemble. FA, SP, SU

MUN1710 Jazz Ensemble, 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 three times for credit. (Prerequisite: Permission of instructor.) FA, SP

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 three times for credit. FA, SP

MUN1720 Contemporary Vocal Ensemble, 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 three times for credit. (Contact instructor.) Four hours of class per week. FA, SP

Co-Reqs: MUN1340

MUN2420 Woodwind Chamber Ensemble, 1.0 sem hrs
May be repeated three times for credit. FA,SP.

MUN2430 Brass Chamber Ensemble, 1.0 sem hrs
May be repeated three tiimes for credit. FA,SP.

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. 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. 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. 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, successful completion of college prep course or qualified developmental exemption.) 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, successful completion of college prep course or qualified developmental exemption.) 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, successful completion of college prep course or qualified developmental exemption and MUT 1121/1121L.) 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, successful completion of college prep course or qualified developmental exemption and MUT 1121/1121L.) 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, successful completion of college prep course or qualified developmental exemption and MUT 1122/1122L or equivalent.) 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, successful completion of college prep course or qualified developmental exemption and MUT 1122/1122L or equivalent.) 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, successful completion of college prep course or qualified developmental exemption and MUT 2126/2126L or equivalent.) 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, successful completion of college prep course or qualified developmental exemption and MUT 2126/2126L or equivalent.) FA, SP

Conc-Reqs: MUT2127

MVB - Music

MVB1211 Applied Music Secondary, Trumpet, 1.0 sem hrs
MVB 1211-2221 Applied Music Secondary, Trumpet. FA, SP

Lab Fees: $100.00

MVB1212 Applied Music Secondary, French Horn, 1.0 sem hrs
MVB 1212-2222 Applied Music Secondary, French Horn. FA, SP, May be repeated three times for credit.

Lab Fees: $100.00

MVB1213 Applied Music Secondary, Trombone, 1.0 sem hrs
MVB 1213-2223 Applied Music Secondary, Trombone. FA, SP, May be repeated three times for credit.

Lab Fees: $100.00

MVB1214 Applied Music Secondary, Baritone Horn, 1.0 sem hrs
MVB 1214-2224 Applied Music Secondary, Baritone Horn. FA, SP,

Lab Fees: $100.00

MVB1215 Applied Music Secondary, Tuba, 1.0 sem hrs
MVB 1215-2225 Applied Music Secondary, Tuba. FA, SP,

Lab Fees: $100.00

MVB1311 Applied Music Principal, Trumpet, 2.0 sem hrs
Applied Music, Principal, trumpet. FA, SP, May be repeated three times for credit.

Lab Fees: $200.00

MVB1312 Applied Music Principal, French Horn, 2.0 sem hrs
May be repeated three times for credit. FA, SP

Lab Fees: $200.00

MVB1314 Applied Music Principal, Baritone Horn, 2.0 sem hrs
May be repeated three times for credit.FA,SP.

Lab Fees: $200.00

MVB1315 Applied Music Principal, Tuba, 2.0 sem hrs
May be repeated three times for credit. FA,SP

Lab Fees: $200.00

MVB2222 Applied Music Secondary, French Horn, 1.0 sem hrs
May be repeated three times for credit. FA,SP.

Lab Fees: $100.00

MVB2322 Applied Music Principal, French Horn, 2.0 sem hrs
May be repeated three times for credit. FA, SP.

Lab Fees: $200.00

MVB2323 Applied Music Principal, Trombone, 2.0 sem hrs
May be repeated three times for credit. FA,SP.

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. FA, SP, SU.

Lab Fees: $30.00

MVK1211 Applied Music Secondary, Piano, 1.0 sem hrs
MVK 1211-2221 Applied Music Secondary, Piano. FA, SP, SU May be repeated three times for credit.

Lab Fees: $100.00

MVK1212 Applied Music Secondary, Harpsichord, 1.0 sem hrs
MVK 1212-2222 Applied Music Secondary, Harpsichord. FA, SP, SU

Lab Fees: $100.00

MVK1213 Applied Music Secondary, Organ, 1.0 sem hrs
MVK 1213-2223 Applied Music Secondary, Organ. FA, SP, SU

Lab Fees: $100.00

MVK1311 Applied Music Principal, Piano, 2.0 sem hrs
May be repeated three times for credit. FA,SP.

Lab Fees: $200.00

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. 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. FA, SP,

Lab Fees: $100.00

MVP - Music

MVP1211 Applied Music Secondary, Percussion, 1.0 sem hrs
MVP 1211-2221 Applied Music Secondary, Percussion. FA, SP, SU

Lab Fees: $100.00

MVP1311 Applied Music Principal, Percussion, 2.0 sem hrs
May be repeated three times for credit. FA, SP

Lab Fees: $200.00

MVP2221 Applied Music Secondary, Percussion, 1.0 sem hrs
May be repeated three times for credit. FA, SP

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. FA, SP

Lab Fees: $15.00

MVS1211 Applied Music Secondary, Violin, 1.0 sem hrs
MVS 1211-2221 Applied Music Secondary, Violin. FA, SP, SU

Lab Fees: $100.00

MVS1212 Applied Music Secondary, Viola, 1.0 sem hrs
MVS 1212-2222 Applied Music Secondary, Viola. FA, SP, SU

Lab Fees: $100.00

MVS1213 Applied Music Secondary, Cello, 1.0 sem hrs
MVS 1213-2223 Applied Music Secondary, Cello. 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. FA, SP,SU

Lab Fees: $100.00

MVS1215 Applied Music Secondary, Harp, 1.0 sem hrs
MVS 1215-2225 Applied Music Secondary, Harp. FA, SP, SU

Lab Fees: $100.00

MVS1216 Applied Music Secondary, Guitar, 1.0 sem hrs
MVS 1216-2226 Applied Music Secondary, Guitar. FA, SP, SU. May be repeated three times for credit.

Lab Fees: $100.00

MVS1314 Applied Music Principal, String Bass, 2.0 sem hrs
May be repeated three times for credit.FA,SP.

Lab Fees: $200.00

MVS1316 Applied Music Principal, Guitar, 2.0 sem hrs
May be repeated three times for credit. FA,SP.

Lab Fees: $200.00

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.) FA, SP

Lab Fees: $15.00

MVS2321 Applied Music Principal, Violin, 2.0 sem hrs
May be repeated three times for credit. FA,SP.

Lab Fees: $200.00

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. FA, SP, SU

MVV1211 Applied Music Secondary, Voice, 1.0 sem hrs
MVV 1211-2221 Applied Music Secondary, Voice. FA, SP, SU. May be repeated three times for credit.

Lab Fees: $100.00

MVV1311 Applied Music Principal, Voice, 2.0 sem hrs
May be repeated three times for credit. FA,SP.

Lab Fees: $200.00

MVV2121 Intermediate Voice, 1.0 sem hrs
To cultivate learned technique and stage performance through practical application in both group and individualized settings. May be repeated one time for credit. FA, SP, SU

MVV2221 Applied Music Secondary, Voice, 1.0 sem hrs
May be repeated three times for credit.

Lab Fees: $100.00

MVW - Music

MVW1211 Applied Music Secondary, Flute, 1.0 sem hrs
MVW 1211-2221 Applied Music Secondary, Flute. FA, SP, SU

Lab Fees: $100.00

MVW1212 Applied Music Secondary, Oboe, 1.0 sem hrs
MVW 1212-2222 Applied Music Secondary, Oboe. FA, SP, SU

Lab Fees: $100.00

MVW1213 Applied Music Secondary, Clarinet, 1.0 sem hrs
MVW 1213 2223 Applied Music Secondary, Clarinet. FA,SP,SU

Lab Fees: $100.00

MVW1214 Applied Music Secondary, Bassoon, 1.0 sem hrs
MVW 1214-2224 Applied Music Secondary, Bassoon. FA, SP, SU

Lab Fees: $100.00

MVW1215 Applied Music Secondary, Saxophone, 1.0 sem hrs
MVW 1215-2225 Applied Music Secondary, Saxophone. FA, SP, SU. May be repeated three times for credit.

Lab Fees: $100.00

MVW1311 Applied Music Principal, Flute, 2.0 sem hrs
May be repeated three tiimes for credit. FA,SP..

Lab Fees: $200.00

MVW1312 Applied Music Principal, Oboe, 2.0 sem hrs
May be repeated three times for credit. FA,SP.

Lab Fees: $200.00

MVW1313 Applied Music Principal, Clarinet, 2.0 sem hrs
May be repeated three times for credit.Fa,SP.

Lab Fees: $200.00

MVW1315 Applied Music Principal, Saxophone, 2.0 sem hrs
May be repeated three times for credit. FA,SP.

Lab Fees: $200.00

MVW2221 Applied Music Secondary, Flute, 1.0 sem hrs
May be repeated three times for credit.FA,SP.

Lab Fees: $100.00

NUR - 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

Co-Reqs: BSC1086L AND BSC1086 AND MCB1010 AND MCB1010L
Pre-Reqs: MGF2106 OR BSC1085L AND BSC1085 AND ENC1101 AND PSY1012 AND MAC1105
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: $263.00

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: BSC1086L AND MCB1010 AND MCB1010L AND NUR1005 AND BSC1086 AND NUR1020
Pre-Reqs: MGF2106 OR BSC1085 AND BSC1085L AND PSY1012 AND ENC1101 AND MAC1105
Lab Fees: $28.00

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: BSC1086L AND BSC1086 AND MCB1010 AND NUR1010 AND MCB1010L
Pre-Reqs: MGF2106 OR BSC1085 AND BSC1085L AND PSY1012 AND ENC1101 AND MAC1105
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

Conc-Reqs: NUR1020
Lab Fees: $263.00

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: NUR1423 AND NUR1423L AND ENC1101
Pre-Reqs: NUR1010 AND NUR1020 AND NUR1020L
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: $199.00

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 for 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: NUR1230 AND NUR1230L
Pre-Reqs: NUR1005 OR NUR1010 AND NUR1020 AND ENC1101
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 electrolytes, 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: $230.00

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 clinical leader 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. (Corequisite: Humanities, Cultural and Aesthetic Core.) 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: $194.00

NUR3065 Health Assessment, 3.0 sem hrs

This course prepares students to complete a holistic assessment on individuals across the lifespan with a focus on health promotion and disease prevention. Emphasis is on risk assessment, health history and physical examination, psychosocial, cultural, developmental and functional assessment. Focus will be placed on the national goals and objectives of Healthy People 2020. FA, SP

Co-Reqs: HUN1201
Pre-Reqs: NUR3125
Lab Fees: $38.00

NUR3125 Pathophysiology, 3.0 sem hrs

This course examines the cellular adaptations in organ systems as it relates to the manifestation of disease and alteration in human function. The course covers advanced study of pathophysiology and symptomology across the lifespan. FA, SP

Co-Reqs: CHM1025 OR CHM1046
Pre-Reqs: BSC1085 AND MCB1010 AND BSC1086
Lab Fees: $8.00

NUR3145 Pharmacology, 2.0 sem hrs

This course will focus on principles of nursing management in drug therapy and basic drug knowledge and patient-related variables. Nursing implications related to assessment of client outcomes and evidence based treatment guidelines are emphasized. FA, SP

Co-Reqs: STA2023
Pre-Reqs: MGF2106 OR MAC1105 AND NUR3065

NUR3655 Nursing in a Multicultural Society, 3.0 sem hrs

This course examines beliefs, values and practices of different cultures, with a focus on how culture influences health practice and health care decisions. (Historical and Global Pre or Coreq.)(Cultural and Aesthetic Elective and NUR 3826 Pre.) FA, SP

Co-Reqs: LIT2110 OR LIT2120
Pre-Reqs: NUR3826

NUR3826 Legal and Ethical Aspects of Nursing, 3.0 sem hrs

This course explores the current ethical and legal issues surrounding health care and the practice of nursing. Emphasis will be placed on professional nursing judgment, ethical dilemma, conflict resolution, and role of the nurse in decision-making. FA, SP

Pre-Reqs: NUR3846 AND PSY1012

NUR3846 Critical Approaches to Nursing Theory, 3.0 sem hrs

This course examines the theories and conceptual basis for nursing practice. The historical and contemporary influences of nursing will be explored. Theories related to the scientific basis of nursing practice will be analyzed. FA, SP, SU

Co-Reqs: DEP2004
Pre-Reqs: ENC1101 AND SPC2608

NUR4169 Nursing Research and Evidence-Based Practice, 3.0 sem hrs

This course provides an introduction to research process as it applies to nursing theory and practice. Emphasis on understanding and application of nursing models as foundations of nursing practice, and evidence-based practice as it relates to current and future nursing practice FA, SP

Pre-Reqs: NUR3655
Lab Fees: $28.00

NUR4636 Community Health Nursing, 2.0 sem hrs

This course provides students with an introduction to focused practice in the community nurse setting. Using theory related to health promotion and disease prevention, students will explore epidemiology of community health issues, community assessment, interventions, and environmental hazards along with the health care needs of the vulnerable. Findings related to incidence and prevalence of disease, morbidity and mortality statistics and causal factors will be explored. This course includes a practicum learning experience focused in the community setting. FA, SP

Pre-Reqs: NUR3145
Conc-Reqs: NUR4636L

NUR4636L Community Health Nursing with Practicum, 2.0 sem hrs

This course provides students with an introduction to focused practice in the community nurse setting. Using theory related to health promotion and disease prevention, students will explore epidemiology of community health issues, community assessment, interventions, and environmental hazards along with the health care needs of the vulnerable. Findings related to incidence and prevalence of disease, morbidity and mortality statistics and causal factors will be explored. This course includes a practicum learning experience focused in the community setting. FA, SP

Conc-Reqs: NUR4636

NUR4827 Leadership and Clinical Decision-Making, 3.0 sem hrs

This capstone course, including a practicum learning experience, will provide students knowledge and skills to assume leadership and management roles in a variety of healthcare settings. The course will focus on leadership and management theories, outcome measurements, performance evaluations and development of problem solving skills. FA, SP, SU

Pre-Reqs: NUR3125 AND NUR3145 AND NUR3065 AND NUR3655 AND NUR4636 AND NUR3826 AND NUR3846 AND NUR4169
Conc-Reqs: NUR4827L

NUR4827L Leadership and Clinical Decision-Making Practicum, 2.0 sem hrs

The practicum experience will provide opportunities for students to develop and expand their leadership skills in the practice of professional nursing. FA, SP, SU

Conc-Reqs: NUR4827
Lab Fees: $8.00

NUR4837 Health Care Policy and Economics, 3.0 sem hrs

This course will explore current legislative issues, economic constraints and political controversies surrounding health care and the practice of nursing. The student will learn about the impact of these issues from an historical and contemporary perspective. FA, SP, SU

Pre-Reqs: NUR3655 AND NUR3826

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: 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: $54.00

OCE - Oceanography

OCE1001 Introduction to Oceanography, 3.0 sem hrs

An introduction to oceanography, including the geology, biology, chemistry, physics and hydrology of the world's ocean basins and the coupling effects of the ocean and atmosphere. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA, SP

Co-Reqs: ENC1101
Lab Fees: $5.00

OCE1001L Introduction to Oceanography Lab, 1.0 sem hrs

This course is an accelerated lab component for OCE1001 designed for students enrolled in the AA Transfer Tracks of Marine Science, Marine Biology, Environmental Science and Ocean Engineering. This lab teaches the interdisciplinary aspects of physical, geological, chemical and biological oceanography. Students become acquainted with basic scientific and oceanographic concepts through hands-on studies and exploration of oceanic environments and are introduced to state-of-the art oceanographic equipment.Enrollment by permission of instructor only. FA, SP

Co-Reqs: MAT1033 AND OCE1001 OR MAC1105 OR MAC1114 OR MAC1140 OR MAC2233 OR MAC2311 OR MAC2312 OR MAC2313 OR MAP2302 OR STA2023
Lab Fees: $100.00

[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. SP

Pre-Reqs: CHM1025 AND CHM1025L AND STA2023 AND MAC1105 AND OCE1001
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. SP

Conc-Reqs: OCE2013
Lab Fees: $100.00

[OCE2905 Directed Study in Oceanography, 1.0 - 4.0 sem hrs](#)
Directed Study in Oceanography FA, SP, SU

[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. SP

Pre-Reqs: CHM1045 AND CHM1045L AND OCE1001 AND MAT1033
Conc-Reqs: OCE3014L

[OCE3014L Oceanography: Coastal Ocean Studies in Biogeochemistry Lab, 1.0 sem hrs](#)
Mandatory laboratory portion for OCE 3014. SP

Conc-Reqs: OCE3014
Lab Fees: $100.00

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
This course emphasizes the use of a keyboard and is designed for all students who are or will be using a personal or business computer. 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. FA, SP, SU

OST1435 Legal Terminology, 3.0 sem hrs
This course provides a general introduction to law by explaining the common legal vocabulary involved in 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, and research reports. FA

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. Keyboarding skills are used in this course. FA,SP, SU

OST2431 Legal Office Procedures, 3.0 sem hrs
A study of the legal administrative role, professional relations, legal terminology and legal office procedures, including preparation of legal documents using automated dictation equipment. Student must register for lab. FA, SP

Pre-Reqs: OST1141 OR OST1100

OST2461 Medical 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: 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

[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. 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. 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: $2.00

[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 person's 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 client's 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 client's occupational status and motor performance is integrated via discussion and application projects. SP

Conc-Reqs: OTH1014
Lab Fees: $8.00

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: $6.00

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: $11.00

OTH1802 Occupational Therapy Practicum II, 2.0 sem hrs
Students will perfect methods and techniques expected of entry-level Certified Occupational Therapy Assistants (COTA's) while participating in observation, evaluation, treatment planning and treatment delivery under the direction of their supervisors. FA

Pre-Reqs: OTH1800
Lab Fees: $11.00

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: OTH1014C AND OTH2410
Conc-Reqs: OTH2420L

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
Lab Fees: $14.00

[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: OTH2840 AND OTH2841
Lab Fees: $35.00

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. FA

Pre-Reqs: BSC1010 AND STA2023 AND MAC1105
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. FA

Lab Fees: $43.00

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. 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. SP

Pre-Reqs: BSC1010C OR MCB1010C OR BSC1010 OR MCB1010
Conc-Reqs: PCB2510
Lab Fees: $99.00

PCB3034 General Ecology, 3.0 sem hrs
Principles of ecology with emphasis on Florida ecosystems. SP

Pre-Reqs: BSC1011
Conc-Reqs: PCB3034L

PCB3034L General Ecology Lab, 1.0 sem hrs
Principles of ecology with emphasis on Florida ecosystems. SP

Conc-Reqs: PCB3034
Lab Fees: $52.00

PCB3060 Introduction to Genetics, 3.0 sem hrs
This course covers fundamental principles of heredity from Mendel to the present and molecular genetics of prokaryotic and eukaryotic organisms. SP

Pre-Reqs: BSC1010 AND CHM1025 OR CHM1045

PCB3203 Cell Physiology, 3.0 sem hrs
Physiology of cell specialization. Emphasis on comparative ultra structure, function and regulation of differentiated cell types. FA

Pre-Reqs: BSC1085

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. 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. 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. SP

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. 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

Lab Fees: $75.00

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

Pre-Reqs: PGY1101 AND PGY1800
Lab Fees: $95.00

PGY1800 Photography and the Digital Image, 5.0 sem hrs
An orientation to basic digital photography, including digital cameras, scanning, and printing. FA, SP

Lab Fees: $75.00

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. FA, SP

PGY2107 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. FA, SP

Pre-Reqs: PGY2210 AND PGY2650
Lab Fees: $100.00

PGY2210 Professional Studio Portraiture, 4.0 sem hrs
Development of lighting skills and practice in the production of studio portraits. FA, SP

Pre-Reqs: PGY1201 AND PGY2806 AND PGY1115
Lab Fees: $95.00

PGY2216 Location Photography, 4.0 sem hrs
Development of location lighting skills in editorial, illustrative and interpretive portraits. FA, SP

Pre-Reqs: PGY2210
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, 3.0 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. FA, SP, SU

Pre-Reqs: PGY1201 AND PGY2806
Lab Fees: $25.00

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. FA, SP

Pre-Reqs: PGY1115 AND PGY1201 AND PGY2806
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. FA

Pre-Reqs: PGY1115 AND PGY2650 OR PGY1800 AND DIG2500
Lab Fees: $35.00

[**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. FA, SP, SU

Lab Fees: $50.00

[**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. FA, SP

Pre-Reqs: PGY1101 AND PGY1800
Lab Fees: $65.00

[**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. 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

[**PHI2010 Introduction of Philosophy, 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 will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.*** FA, SP, SU

[**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. FA, SP

[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. FA, SP

Co-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 OR BSC1085

[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: BSC1086 AND BSC1086L 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: PHT1006 AND PHT1251
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: PHT1006 AND PHT1251
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: PHT2220 AND PHT2220L
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: $35.00

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: $27.00

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: $27.00

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

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: $13.00

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.*** 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

Pre-Reqs: PHY1053C OR PHY1053
Conc-Reqs: PHY1054
Lab Fees: $17.00

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, Newton's 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

Co-Reqs: 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

Conc-Reqs: PHY2048
Lab Fees: $14.00

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.*** 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

Co-Reqs: MAC2312 AND MAC2312L
Pre-Reqs: PHY2048
Conc-Reqs: PHY2049
Lab Fees: $17.00

PHY2905 Directed Study in Physics, 1.0 - 4.0 sem hrs
(Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) 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. 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. 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. FA

Pre-Reqs: MAC2312 AND MAC2312L AND PHY2049L AND PHY2049

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. SP

Pre-Reqs: MAC2312 AND MAC2312L AND PHY2049L AND PHY2049

PLA - Paralegal (Legal Assisting)

PLA1003 Introduction to Paralegal, 3.0 sem hrs
This course introduces students to the legal system and legal terminology, examines the role of the lawyer and paralegal, the ethical and professional practice standards applicable to both lawyer and paralegal, and provides a 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: PLA1003

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

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

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 debtor/creditor and bankruptcy law. Emphasis is on practical application and preparation of Bankruptcy Statements and Schedules. FA, SP

PLA2600 Probate Administration, 3.0 sem hrs
A study of wills, trusts and estate administration using the Florida Probate Code that 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 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 government, substantive due process along with equal protection, civil rights, free speech and religion. 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)

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

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

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

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

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

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

PMT0211 Precision Machining I, 1.0 voc hrs
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

Pre-Reqs: PMT0211
Conc-Reqs: PMT0215L

PMT0215L Precision Machining II Lab, 2.0 voc hrs
Lab component: 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

Pre-Reqs: PMT0211L
Conc-Reqs: PMT0215
Lab Fees: $60.00

PMT0251 CNC Operations I, 1.0 voc hrs
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

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

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

Pre-Reqs: PMT0251
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

Pre-Reqs: PMT0251L
Conc-Reqs: PMT0255
Lab Fees: $60.00

PMT0260 CAD/CAM Programming I, 1.0 voc hrs
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. 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. 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. SP

Pre-Reqs: PMT0260
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. SP

Pre-Reqs: PMT0260L
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

PMT0720 Computer Numerical Control (CNC) III, 1.0 voc hrs
This course provides students with the ability to complete advanced set-up and operation of Computer Numerical Control (CNC) machine tools, electric discharge machine (EDM) programming and operation, lathe turning programming, mill programming 4th axis, and CAD/CAM programming. Students will set-up and operate many types of CNC equipment and will perform assigned projects. FA, SP, SU

Pre-Reqs: PMT0255 AND PMT0251
Conc-Reqs: PMT0720L

PMT0720L Computer Numerical Control (CNC) III Lab, 2.0 voc hrs
Lab component: This course provides students with the ability to complete advanced set-up and operation of Computer Numerical Control (CNC) machine tools, electric discharge machine (EDM) programming and operation, lathe turning programming, mill programming 4th axis, and CAD/CAM programming. Students will set-up and operate many types of CNC equipment and will perform assigned projects. FA, SP, SU

Pre-Reqs: PMT0251L AND PMT0255L
Conc-Reqs: PMT0720

POS - Political Science

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

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. FA, SP, SU

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. FA, SP

PPE - Psychology

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, acute, community and long-term care settings. FA, SP

Conc-Reqs: PRN0004L

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

Conc-Reqs: PRN0004
Lab Fees: $150.00

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
Foundation course reinforcing 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: $127.00

PRN0090 Nursing Assistant, 4.0 voc hrs
The nursing assistant-long term care program prepares individuals to become entry level health care professionals and provide basic nursing care to clients in long-term care, subacute and assisted living facilities.This program consists of 80 hours of classroom/laboratory instruction and 40 hours of clinical. Students learn interpersonal skills, medical terminology, legal and ethical responsibilities, safe and efficient work, and employability skills. The program is designed to prepare students for employment as a nursing assistant after passing a nursing assistant competency exam in accordance with Florida Statutes 464.

Lab Fees: $23.00

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: $10.00

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 while 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 while 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: $160.00

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, successful completion of college prep course or qualified developmental exemption.) 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: MAT1033 OR MAC1105 OR MAC2233 OR STA2023 OR MAC1114 OR MAC2313 OR MAP2302 OR MAC2312 OR MGF2107 OR MAC1140 OR MGF2106

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

PSY2905 Directed Study in Psychology, 3.0 sem hrs
Directed Study in Psychology (Prerequisite:Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.) FA, SP, SU

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. 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. 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. FA, SP

QMB - Quantitative Methods in Business

QMB1001 Business Math, 3.0 sem hrs
Analytical treatment of practical business financial problems concerning interest, payroll, buying and selling goods, consumer credit, using calculators. FA,SP, SU

REA - Reading

REA0017 Reading, 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. Recommended based on the student's academic record and available test scores. (REA 0017/0017L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Co-Reqs: SLS1122
Conc-Reqs: REA0017L

REA0017L Reading Lab, 1.0 college prep hrs
Lab component for REA0017. 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. Recommended based on the student's academic record and available test scores. (REA0017/0017L cannot be used toward AA or AS degree requirements.) FA, SP, SU

Co-Reqs: SLS1122
Conc-Reqs: REA0017

REA1105 Critical Reading Techniques, 3.0 sem hrs
This course is a college-level reading course designed to develop efficient reading skills for purposeful application. Emphasis is on critical thinking/comprehension skills, developing a college-level vocabulary, reading techniques, speed, critical analysis and written response to various types of reading materials. FA, SP.

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 terms.

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.

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

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

RET1025 Principles of Respiratory Care, 3.0 sem hrs
This course is an introduction to comprehensive patient assessment and the scientific basis for Respiratory Care. Lecture and laboratory experiences. (Prerequisite: Admission to the Respiratory Care program). FA.

Conc-Reqs: RET1025L
Lab Fees: $21.00

RET1025L Principles of Respiratory Care Lab, 1.0 sem hrs
This course is an introduction to comprehensive patient assessment and the scientific basis for Respiratory Care. Lecture and laboratory experiences. (Prerequisite: Admission to the Respiratory Care program.). FA

Conc-Reqs: RET1025

RET1026 Basic Equipment of Respiratory Care, 2.0 sem hrs
An introduction to basic respiratory care techniques and equipment, including medical gas therapy, humidity, aerosol, lung expansion, and airway clearance. Lecture and laboratory. (Prerequisite: Admission to Respiratory Care Program.) FA

Conc-Reqs: RET1026L
Lab Fees: $36.00

RET1026L Basic Equipment of Respiratory Care Lab, 1.0 sem hrs

An introduction to basic respiratory care techniques and equipment, including medical gas therapy, humidity, aerosol, lung expansion, and airway clearance. Lecture and laboratory. (Prerequisite: Admission to Respiratory Care Program. FA

Conc-Reqs: RET1026

RET1264 Advanced Equipment of Respiratory Care, 2.0 sem hrs

This course covers advanced respiratory care techniques and equipment. Topics emphasized are airway management, arterial punctures and respiratory care outside of the acute care setting. SP

Pre-Reqs: RET1026
Conc-Reqs: RET1264L
Lab Fees: $38.00

RET1264L Advanced Equipment of Respiratory Care Lab, 1.0 sem hrs

This course covers advanced respiratory care techniques and equipment. Topics emphasized are airway management, arterial punctures and respiratory care outside of the acute care setting. SP

Conc-Reqs: RET1264

RET1265 Mechanical Ventilation, 3.0 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

Pre-Reqs: RET1026
Conc-Reqs: RET1265

RET1265L Mechanical Ventilation Lab, 1.0 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

Pre-Reqs: RET1026L
Conc-Reqs: RET1265

RET1295 Chest Medicine, 3.0 sem hrs

A study of diseases and clinical entities commonly encountered in patients needing respiratory care. SP

Pre-Reqs: BSC1085 AND RET1025 AND RET1025L

RET1450 Basic Physiologic Monitoring, 3.0 sem hrs

A study of diagnostic techniques and instrumentation, including pulmonary function, blood gas analysis, electrocardiogram, heart-lung stress testing and other procedures.

Co-Reqs: RET1833
Pre-Reqs: RET1264 AND RET1265L OR RET1265
Lab Fees: $5.00

RET1485 Cardiopulmonary Anatomy and Physiology, 4.0 sem hrs

This is provides 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

Pre-Reqs: BSC1085 AND BSC1085L

RET1874 Clinical Respiratory Care I, 4.0 sem hrs

This course covers clinical application of respiratory care procedures, including Medical Gas Therapy, Humidity, Aerosol and Lung Expansion therapies. Ventilator support, Arterial Blood Gases and other adjunctive procedures in Respiratory Care are included. An article review with a pre-approved topic relevant to the practice of Respiratory Care. Clinical. SU.

Co-Reqs: RET1264
Pre-Reqs: RET1025 AND RET1025L AND RET1264L AND RET1264
Lab Fees: $83.00

RET1875 Clinical Respiratory Care II, 4.0 sem hrs

This course is a continuation of Clinical Respiratory Care I with an emphasis on critical respiratory care. Rotation through specialty areas including pulmonary rehab, cardiac catherization lab, pulmonary function lab, operating room, emergency room and post-anesthesia recovery areas. Mini case studies (SOAPs) are presented in post conference daily and weekly on assigned patients. A practice CRT exam, an article review with a pre-approved topic relevant to the practice of Respiratory Care, and a major case study on a cardiopulmonary patient are required. FA.

Pre-Reqs: RET1874
Lab Fees: $91.00

RET2244 Life Support, 3.0 sem hrs

This course encompasses the concepts and applications of chest tube maintenance, vacuum systems, nasogastric and orogastric tube placement and maintenance as it relates to the practice of respiratory care. Chest radiography, cardiopulmonary stress testing and advanced cardiac life support concepts are reviewed. Hemodynamic monitoring, including both right and left heart catheterization and intra-aortic balloon pumping are intensively covered. Critical care concepts such as therapeutic hypothermia, pharmacology and the critically ill patient are discussed. FA

Pre-Reqs: RET1450 AND RET1485

RET2350 Cardiopulmonary Pharmacology, 4.0 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.SP

Pre-Reqs: RET1485

RET2714 Neonatal and Pediatric Respiratory Care, 3.0 sem hrs
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
The students continue their critical care rotations, exposure to special care areas adding skilled nursing facilities, long term care, and neonatal/pediatric areas. Students also complete mini case studies for oral presentation. During the final semester, students will write a term-quality research paper on a pre-approved topic relevant to the practice of respiratory care, take a practice board exam, and turn in their volunteer portfolio. FA

Pre-Reqs: RET1832 AND RET1833
Lab Fees: $138.00

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: $45.00

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

Lab Fees: $283.00

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

Lab Fees: $189.00

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

Lab Fees: $20.00

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
Lab Fees: $60.00

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: RTE1513 AND RTE1513L
Lab Fees: $189.00

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
Lab Fees: $238.00

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
Lab Fees: $128.00

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

Lab Fees: $170.00

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

Lab Fees: $189.00

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
Lab Fees: $20.00

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
Lab Fees: $199.00

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
Lab Fees: $220.00

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. 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. FA, SP, SU

Conc-Reqs: RTV1000
Lab Fees: $4.00

RTV1510 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. FA, SP, SU

Pre-Reqs: RTV1000
Conc-Reqs: RTV1510L

RTV1510L 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. FA, SP, SU

Pre-Reqs: RTV1000L
Conc-Reqs: RTV1510
Lab Fees: $3.00

RTV2104 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. FA, SP, SU

Pre-Reqs: ENC1101

RTV2541 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. FA, SP, SU

Pre-Reqs: RTV1000 AND RTV1510
Conc-Reqs: RTV2541L

RTV2541L 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. FA, SP, SU

Pre-Reqs: RTV1000 AND RTV1510L
Conc-Reqs: RTV2541
Lab Fees: $2.00

RTV2600 Acting for the Lens and Camera, 2.0 sem hrs
This course introduces students to blocking and performance techniques for live and taped television productions. FA, SP, SU

Conc-Reqs: RTV2600L

RTV2600L Acting for the Lens and Camera Lab, 1.0 sem hrs
This course introduces students to blocking and performance techniques for live and taped television productions. FA, SP, SU

Conc-Reqs: RTV2600
Lab Fees: $5.00

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)

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: EDF4430 AND EDG4323 AND TSL3080

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 SP term.

Pre-Reqs: EDF4430 AND EDG4323 AND TSL3080

SLS - Student Life Skills

SLS1122 Managing Your Success, 3.0 sem hrs

This course is designed to assist students in becoming engaged learners while transitioning to Daytona State College. Emphasis is on orienting students to college resources, academic expectations and career planning, time/money management, technology, student services/organizations and academic integrity. *This course is a graduation requirement for students in the Associate of Arts (A.A.) degree.* FA, SP, SU

SLS2281 Diversity, Culture and Communication, 3.0 sem hrs

The course provides a methodical approach to expanding awareness of the knowledge and skills necessary to effectively interact with and serve diverse populations. This course will particularly emphasize attitudes and competencies that are important in lives beyond college, as well as in interactions with others. *This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.* FA,SP, SU

Co-Reqs: ENC1101

SLS2300 Academic and Occupational Research, 1.0 sem hrs
This course emphasizes the development of realistic goals through investigation of academic program requirements, transfer options, career qualifications and alternative related professions. FA, SP,SU

SLS2301 Career Development, 3.0 sem hrs
This course provides an overview of career interests, values, aptitude, career and academic program exploration and employability skills including job search planning. FA, SP, SU

SLS2303 Job Search and Employability Skills, 1.0 sem hrs
This course emphasizes student preparation for industry trends and standards related to resumes, applications, cover letters, and interviews. FA, SP, SU

SLS2304 Career Exploration and Decision Making, 1.0 sem hrs
This course will clarify career and educational goals by developing a personal profile of skills, interests, and values. Course activities include self-assessment, exploring occupational options and resources. 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. FA, SP,SU

Co-Reqs: ENC1101

SLS3355L Orientation to BS in Education Programs Lab, 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: $95.00

SOP - Psychology

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, successful completion of college prep course or qualified developmental exemption.) FA, SP

SPC - Speech Communication

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

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. 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. 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. 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. SP

Pre-Reqs: SPN2220

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: EDF4430 AND EDG4323 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. (Prerequisite: Placement through appropriate college placement test or passed STA 2023 and MAC 2312/2312L with grade "C" or better or permission of chairperson). SP

Pre-Reqs: MAC2311 AND MAC2312 AND STA2023

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: $8.00

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: BSC0070 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. Lab fee: $140. FA

Conc-Reqs: STS0155
Lab Fees: $170.00

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 facility's operating rooms in various surgical specialties and procedures. FA

Co-Reqs: STS0003 AND STS0120 AND STS0155

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 facility's operating rooms in various surgical specialties and procedures. SP

Co-Reqs: STS0121
Pre-Reqs: STS0155 OR STS0003 AND STS0255L

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 facility's operating rooms in various surgical specialties and procedures. SU

Co-Reqs: STS0122
Pre-Reqs: STS0255L AND STS0256L

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

Co-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

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
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 Theatre Appreciation, 3.0 sem hrs
n 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

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. FA,SP

Pre-Reqs: THE1035

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. FA, SP

Pre-Reqs: THE2037

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. SP

TPP - Theatre Arts

TPP2190 Theatre Rehearsal and Performance, 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 three times for credit. (Prerequisite: Permission of chairperson through audition.) FA, SP

Lab Fees: $10.00

TPP2250 Musical Theatre Performance, 3.0 sem hrs

Introduction to the study of musical theatre analysis, creation, and performance as applied to the study of voice,dance, and acting. FA, SP

TSL - Teaching English as a Second Language

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

WOH - History

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. 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. FA, SP, SU

Pre-Reqs: ENC1101

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 (9400)

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 Mathematics Education (9523)
6224 Secondary Biology Education (9524)
6225 Secondary Physics Education (9525)
6226 Secondary Chemistry Education (9526)
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) (9531)
6333   Engineering Technology - Electrical Engineering Technology Concentration (9533)
6334 Information Technology (BSIT) (9534)

Bachelor of Science in Nursing Program

The Bachelor of Science in Nursing (BSN) program provides a seamless transition from the associate degree in nursing to the baccalaureate degree and prepares graduates for a broader scope of nursing practice.

6441   Nursing (BSN) (9541)

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, 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.

0100   Associate of Arts

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
7225   Secondary Physics Education
7226   Secondary Chemistry 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 (2121)
2070 Interior Design Technology
2005 Internet Services Technology
2002 Network Systems Technology
2204 Simulation and Robotics Technology

BUSINESS
2084 Accounting Technology
2059 Business Administration
2226 Culinary Management
2012 Hospitality Management
2228 Office Administration (Medical Systems Option)
2229 Office Administration
2062 Paralegal Studies (Legal Assisting)

MUSIC, ENTERTAINMENT & ART
2231 Interactive Media Production
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 Technology (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)

Advanced Technical Certificate

Advanced Technical Certificates are design for individuals who have already completed a degree (at least an associate degree) and are seeking advanced, specialized preparation in a particular career field to supplement their degree.

3002 Cybersecurity and Cyberforensics   **3003 Web Systems Software Development#**

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 Technology Management
0935 Accounting Technology Operations - Tax Preparation
0813 Addictions Studies Specialization
0908 Advanced Network Infrastructure
0818 Audio/Recording Technology
0927 AutoCAD Foundations (Architectural)
0928 AutoCAD Foundations (Engineering)
0916 Business Management
0913 Business Operations - Entrepreneurship
0921 Cable Installation
0938 Computer Programming
0819 Culinary Arts
0929 Drafting and Design Technology
0902 Information Technology Administration
0903 Information Technology Analysis
0905 Information Technology Support Specialist
0816 Interior Design Technology - Kitchen and Bath Specialization
0817 Marketing, Sales and Service - Entrepreneurship
0912* Medical Information Coder/Biller (1912)
0907 Microcomputer Repairer/Installer
0923 Network Communications (LAN)

0924 Network Communications (WAN)
0922 Network Infrastructure
0904 Network Server Administration
0906 Network Support Technician
0914 Office Management
0919 Office Management - Medical Option
0926 Office Support (Technical Certificate)
0957* Paramedic (1957)
0979 Television Studio Production
0909 Web Development Specialist
0925 Wireless Communications

APPLIED TECHNOLOGY DIPLOMA PROGRAM
0960* Emergency Medical Technician (1960)
0920 Medical Record Transcribing

**CAREER CERTIFICATE
(VOCATIONAL CREDIT) PROGRAMS**
1054** Air Conditioning, Refrigeration and Heating Mechanic
1011** Air Conditioning, Refrigeration and Heating Technology
1097** Automotive Collision Repair and Refinishing
1201** Automotive Service Technology
1034** Baking and Pastry
1204** Barbering
1050* Correctional Officer Recruit Training (1150)
1084** Cosmetology

1203** Customer Service Representative
1048* Dental Assisting (1148)
1056* Fire Fighter
1051* Florida Law Enforcement Academy (1151)
1202** Machining
1024* Massage Therapy (1124)
1023* Medical Assisting (1123)
1205** Nursing Assistant (Long Term Care)
1095* Practical Nursing (1195)
1092* Surgical Technology (1192)
1206** Transit Technician I#
1207** Transit Technician II#
1208** Transit Technician III#
1033** Welding Technology (Applied)

APPRENTICESHIP PROGRAMS
1020 Early Childhood Education Apprentice
1071 Electrical Apprentice - Non-Union
1072 Electrical Apprentice - Union
1070 Plumbers Apprentice - Union#

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* All Bachelors, 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.

Program pending SACSCOC approval.

For additional program-specific information please refer to the College Catalog at http://www.daytonastate.edu/catalog and click on "Program Guides."

Administrative Organization of the College

Dr. Thomas LoBasso is President and Chief Executive Officer of Daytona State College and is responsible to the District Board of Trustees.

President's Staff

Vice President, Academic Affairs – Amy Locklear

Associate Vice President, College of Arts and Sciences – Alycia Ehlert
Associate Vice President, College of Business Management – Kristy Presswood
Associate Vice President, College of Education – Kristy Presswood
Associate Vice President, College of Health and Public Services – James Greene
Associate Vice President, College of Technology – Ronald Eaglin
Associate Vice President, College of Workforce and Continuing Education – Mary Bruno
Dean, Hosseini College of Hospitality Management – Costa Magoulas
Dean, School of Adult Education – Katrina Bell
Director, School of Emergency Services - 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, Academic Policy and Analysis – Kenneth Matthews
Director, Writing Center – Vacant
Dean, School of Adult Education – Katrina Bell
Faculty Director, Quality Enhancement Plan – Tom Bellomo
Dean, Institutional Research and Evaluation- Susan Antillon

Associate Vice President, Institutional Effectiveness – Nancy Morgan
Dean, Academic Assessment and Planning – Karla Moore
Director, Resource Development – Vacant

Dean, School of Health and Wellness and Director of Athletics - Will Dunne
Coach, Men's Baseball - Tim Touma
Coach, Men's Basketball – Ryan Ridder
Coach, Women's Basketball – Cal Cochran
Coach, Women's Golf - Laura Brown
Coach, Women's Softball - Sabrina Manhart
Coach, Women's Volleyball – Laura Stegall

Vice President, Student Development – Richard Pastor (Interim)

Associate Vice President, Student Development – Keith Kennedy
Assistant Dean, Co-Curricular Activities – Bruce Cook
Director, Student Disability Services – Terrance Hilbert
Dean, Financial Aid Services – Kevin McCrary
Director, Financial Aid Services - Aileen Morrissey
Director, Academic Advising and career Planning- LeeAnn Davis
Director, Admissions and Recruitment - Karen Sanders
Director, Assessment Services - Janet Sledge
Director, Records/Registrar – Carri Black-Hudgins
Dean of Campus Services, Flagler/Palm Coast Campus – Kent Ryan
Director of Campus Services, DeLand and Deltona Campuses – Vacant
Director of Campus Services, New Smyrna Campus – Clarence McCloud
Director/ Public Information Officer, Marketing – Laurie White

Executive Vice President/General Counsel – Brian Babb

Associate Vice President, Human Resources/Payroll/Benefits - Robin Barr
Director, Payroll/Leave - Jennifer Campbell
Director, Campus Safety - William Tillard

Vice President/Chief Business Officer, Finance - Isalene Montgomery

Associate Vice President/Controller, Finance – Tina Myers
Director, Financial Services – Joumana El-Ghali
Director/Assistant Controller - Martin Cass
Director, Budget – Veronica Black
Director, Student Accounts - Amy Iverson

Executive Director, Business Services - Vacant

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 and Server Administration – 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

Executive Director, Facilities – Vacant

Director, Facilities Planning - Steven Eckman
Director, Facilities Services - Gail Savicki

Executive Director, Foundation – Kay Burniston

Director, Scholarships and Annual Fund –Judith D'Aprile-Haydt
Director, Alumni Engagement and Special Events – Suzette Cameron
Director, Planned Giving – Kent Ryan

Director, Equity and Inclusion - Lonnie Thompson

Department Chairpersons

College of Business Administration

Hosseini College of Hospitality Management   Costa Magoulas

School of Business Administration   Kimberly Grippa

College of Education

School of Education   Amy Ringue

School of Adult Education   Katrina Bell

College of Health and Public Services

School of Dental Sciences   Pamela Ridilla

School of Emergency Services   Louie Mercer

School of Health Careers   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 World Languages and Speech	Raymond Cornelius
School of Student Life Skills	Charlene Latimer
Honors College/QUANTA	Margaret Karda

College of Technology

School of Building and Architectural Technology	Anindya Paul
School of Computer Science	Anindya Paul
School of Engineering Technology	Anindya Paul

College 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

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