College Catalog

DAYTONA STATE COLLEGE
SCIENTIA POTENTIA EST
FOUNDED 1957

2019-2020

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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 60 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 consistently ranks the college among the Best Online Bachelor's Programs in the nation. U.S. News also placed DSC among the top for Best Online Bachelor's Programs for Veterans.

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. The staff and resources located throughout the 6 Academic Support Centers (ASCs) offer both students and faculty extra support for added success. Tutoring, workshops, review sessions, computers, printers and other learning tools are available to all currently registered students. Faculty resources include ASC orientations, workshops, test reviews, requests for SI and more. 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 (MAT1033).

Top Fifteen Programs (Enrollment)
- Associate of Arts
- BAS Supervision and Management
- CONT - Nursing (RN)
- Nursing Associate Degree
- Business Administration
- BS Information Technology
- FLA Law Enforcement Academy
- BS Nursing (BSN)
- Cosmetology
- Culinary Management
- Music Production Technology
- Physical Therapy Assistant
- Emergency Medical Technician
- Dental Hygiene
- Photographic Technology

Top Fifteen Programs (Graduates)
- Associate of Arts
- BAS Supervision and Management
- Nursing Associate Degree
- FLA Law Enforcement Academy
- Emergency Medical Technician
- Cosmetology
- Business Operations./Entrepreneur.
- Fire Fighter
- Nursing Assistant (LTC)
- BS Elementary Education
- Photographic Technology
- Practical Nursing
- Info Tech Support Specialist
- Office Support (Tech. Cert.)
- Culinary Management

Accreditation and Equity Statement

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.

To comply with our Accountability Standards (64-14.060), which provided a basis for quality improvement and for accountability, external accreditors provide additional oversight of academic program content, quality, and effectiveness, and faculty members play a key role in preparing academic programs for external review by accrediting agencies.

Several academic programs (list of external accrediting bodies), at the college maintain state and/or national accreditations or approval by professional associations or licensing boards. All programs with external accreditations develop and implement standards, monitor results and generate reports for their accrediting agencies. All program with external reviews are in good standing, demonstrating the quality of academic programs at Daytona State College.

Statement of Non-Discrimination

Daytona State College prohibits discrimination and provides equal opportunity in employment and education services to all individuals without regard to age, ancestry, belief, color, disability, ethnicity, gender, genetic information, marital status, national origin, political affiliation, pregnancy, race, religion, sex, sexual orientation or veteran status.

Our pledge covers recruitment, admission, registration, financial help, counseling, advising, course offerings, educational resources, facilities, extracurricular programs, 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 or email him at: (386) 506-3973 or Thompsl@daytonastate.edu.

Students with Disabilities can visit our Student Disabilities Services site for more info.

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

Robin Barr
Associate Vice President of Human
Resources/Employment Equity

Wetherell Center, Building 100, Room 303L
(386) 506-4473

Keith Kennedy
Vice President, Student Development
Wetherell Center, Building 100, Room 210
(386) 506-3562

Alison Mohr
Athletic Coordinator, School of Health & Wellness
Lemerand Center, Building 310, Room 242
(386) 506-3400

Daytona State College Title IX Statement

Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex under any education program or activity receiving federal financial aid. Sexual assault and sexual harassment is a form of sex discrimination prohibited by Title IX.

Daytona State College is committed to providing a learning, living, and working, environment free from discrimination. Any gender based discrimination, including sexual misconduct which includes but is not limited to, sexual assault, sexual harassment, stalking, relationship violence and sexual exploitation committed by DSC students, staff, faculty, vendors, partners, contractors or affiliates will not be tolerated. This applies to academic, education, athletic, residential, and other college-operated programs, events or facilities.

Daytona State College encourages individuals who believe they have been sexually harassed, assaulted, or subjected to sexual misconduct by an DSC student or employee to seek assistance. If you have immediate concerns, please contact the DSC Campus Safety Office at (386)506-4444 or Ext. 4444 (from a campus phone).

While compliance with the law is everyone's responsibility at DSC, the person designated to handle inquiries of Title IX related discrimination is:

Lonnie D. Thompson
Director of Equity, Inclusion, and Title IX
Daytona State College
(386) 506-3973
Thompsl@daytonastate.edu

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.

Notice

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.

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 Marketing at (386) 506-4499.

Administration and Faculty

President's Message

Welcome to Daytona State College – your gateway to success.

At Daytona State College, nothing is more important than the success of our students. The college is dedicated to **removing obstacles**, **inspiring hope** and **confidence**, and making the **personal connections** that convince our students they belong in college. Success means achievement in the classroom, the workplace and in life. We accomplish this not by being a gatekeeper, but a *gateway*. Students come to us because they believe we can help them achieve success, and that is a precious and vulnerable faith. We take it very seriously.

Whether you're a student, a parent, a supporter or someone interested in exploring our institution, you'll find remarkable opportunities at DSC to enrich lives and open doors. 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.

This year, we offer new programs that reflect the evolving economic and workforce needs of our communities. Recent examples of new programs that resulted from collaboration with our program advisory boards include the creation of a Project Management advanced technical certificate inside our Bachelor of Applied Science in Supervision and Management, and a specialization in 3-D Manufacturing in our AS in Engineering Technology. Our new Certificate in Hospitality Beverage Science, the first of its kind in the state-college system, will train students for immediate placement in the fast-growing craft beer and wine industry. We're also proud of the success of our recently added Associate of Science in Broadcast Television Production, leveraging the power of WDSC TV 15 to introduce students to live productions of Falcon sporting events, including our men's and women's soccer competition.

As a college community, we're proud that Daytona State consistently earns high marks from U. S. News & World Report due to top-notch faculty, smart technology and focused student engagement. We rank among the nation's Best Online Bachelor's Programs, and have earned a similar placement for Best Online Bachelor's Programs for Veterans. That goes along with placing among the Top 100 Associate Degree Producers in America and, in Florida, earning the top spot for undergraduate elementary-education bachelor's programs.

Our students, who number about 26,000 a year, can expand their college experience with many student services and activities, including:

- championship athletic teams, including our new men's and women's country teams kicking off their inaugural season this fall.
- an award-winning student newspaper and literary magazine,
- an active Student Government Association and more than 50 clubs and organizations.

On our campuses you'll also 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 from where ever you are in life. I applaud you for making the smart choice and taking the next step toward your goals.

Sincerely,

Thomas LoBasso, Ed.D.
President

Board of Trustees

Mr. Bob Davis
Term: 8/13/13-5/31/17
Port Orange

Mr. Stanley Escudero
Term: 12/8/16-5/31/19
Daytona Beach

Mr. Lloyd J. Freckleton
Term: 12/8/16-5/31/19
Flagler Beach

Mrs. Mary Ann Haas
Term: 7/29/13-5/31/17
Flagler Beach

Mrs. Betty J. Holness
Term: 12/8/16-5/31/19
Ormond Beach

Mrs. Forough B. Hosseini
Term: 12/8/16-5/31/19
Ormond Beach

Mr. Garry Lubi
Term: 9/8/14 - 5/31/18
Palm Coast

Mrs. Anne Patterson
Term: 9/8/14 - 5/31/18
DeLand

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

Provost, Academic Affairs and Institutional Effectiveness – Amy Locklear

Associate Vice President, College of Arts and Sciences – Alycia Ehlert
Associate Vice President, College of Health and Public Services – Vacant
Associate Vice President, College of Business, Engineering and Technology – Dante Leon
Associate Vice President, College of Workforce, Continuing and Adult Education – Sherryl Weems
Associate Vice President, Academic Services – Kathy Hoellen
Dean, Hosseini College of Hospitality Management – Costa Magoulas
Director, School of Emergency Services – Sheila Ellison

Director, Workforce Programs – Frank Snyder
Director, Center for Business and Industry – Frank Mercer
Director, Small Business Development Center – James Deering
Director, Florida East Coast Tech Hire Grant – Shrie Ramey Allen
Director, Academic and Curriculum Services – Alicia Alexander
Faculty Director, Quality Enhancement Plan – Tom Bellomo
Executive Director, Institutional Research & Evaluation - Andrea Gibson

Dean, Institutional Effectiveness – Karla Moore
Director, Planning & Professional Development – John Brady

Dean, School of Health and Wellness and Director of Athletics - Will Dunne
Coach, Men's Baseball - Tim Touma
Coach, Men's Basketball – Martin McCann
Coach, Women's Basketball – Janice Washington Brim
Coach, Women's Golf - Laura Brown
Coach, Men's Soccer – Bart Sasnett
Coach, Women's Soccer – Brittany Jones
Coach, Women's Softball – Harrell, Keli
Coach, Men & Women's Cross Country Track – Judith Wilson
Coach, Women's Volleyball – Laura Stegall

Vice President, Enrollment Services – Erik D'Aquino

Director, Financial Aid Services – Heidi Pinney
Director, Academic Advising, Dual Enrollment, Veteran Services – Michelle Goldys
Director, Admissions and Recruitment - Karen Sanders
Director, Assessment – Lisa Satterfield
Director, Records/Registrar – Carri Black-Hudgins
Director of Campus Services, Flagler/Palm Coast Campus – James Marindino
Director of Campus Services, Deland and Deltona Campuses – Neil Clemons
Director of Campus Services, New Smyrna Beach/Edgewater Campus – Clarence McCloud
Director of Marketing/Public Information Officer – Chris Thomes

Vice President, Student Development – Keith Kennedy

Assistant Dean, Co-Curricular Activities – Bruce Cook
Director, Center for Women and Men – Erin LeDuc
Director, Counseling and Accessibility Services – Lonnie Thompson

Executive Vice President/General Counsel – Brian Babb

Associate Vice President, Human Resources/Payroll/Benefits - Robin Barr
Director, Payroll/Leave - Jennifer Campbell
Director, Campus Safety – Louie Mercer

Senior 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 – Cerese Ramos
Executive Director, Business Services – Elaine Thiel

Senior Vice President, Information Technology/Center for Interactive Media – Roberto Lombardo

Associate Vice President, Information Services - Eric Urff
Executive Director, Software Development and Server Administration – Don Davis
Director, Software Development – Marek Juracek
Director, Information Technology Resources – Hector Valle
Director, IT-Tech Security – Paul Wheeler
Director, IT Project Management & Help Desk – David Tatum
Director, Center for Interactive Media – Howard Lowe

Associate Vice President, Facilities – Christopher Wainwright

Director, Facilities Services – Matthew Rodgers

Vice President of Advancement and Executive Director of Foundation – Timothy Norton

Director, Development –Susan Durgy
Director, Alumni Relations/Development– Suzette Cameron
Director, Resource Development – Lisa Koogle

Director, Equity and Inclusion - Lonnie Thompson

Department Chairpersons

College of Business, Engineering and Technology

Mori Hosseini College of Hospitality and Culinary Management	Costa Magoulas
School of Building and Architectural Technology	Anindya Paul
School of Business Administration	Max Grunbaum-Nagiel
School of Computer Science	Anindya Paul
School of Engineering Technology	Ronald Eaglin

College of Health and Public Services

School of Dental Sciences	Pamela Ridilla
School of Emergency Services	Sheila Ellison
School of Health Careers	Geraldine Rimstidt
School of Nursing	Amy Szoka

College of Arts and Sciences

Mike Curb College of Music, Entertainment and Art	Trent Berning
School of Behavioral and Social Sciences	Michael Flota
School of Biological and Physical Sciences	Karen Endebrock
School of Education	Amy Ringue
School of Health and Wellness	Will Dunne
School of Humanities and Communication	Richard Vollaro
School of Mathematics	Marc Campbell
School of Photography	Daniel Biferie
School of Student Life Skills	Charlene Latimer
School of World Languages and Speech	Holly Hollins
Honors College/QUANTA	Benjamin Graydon

College of Workforce, Continuing and Adult Education

Center for Business and Industry	Frank Mercer
Cosmetology	Harriet Gay
Occupational Apprenticeships	Frank Snyder
School of Adult Education	Kathryn Clark
Workforce Careers	Frank Snyder

Division of Library and Academic Support

Library Services	Mercedes Clement
Academic Support	Elizabeth Barnes
Online Studies	Cheryl Kohen

Full-time Faculty and Administration

www.daytonastate.edu/files/Faculty_Admin_2020.pdf

Facts

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)
AS in Engineering Technology

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

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
Firefighter
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

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 website: 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 more than 60 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. 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 leading partner 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.

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
- Nursing
- Photography

Institutional Mission, Values, and Strategic Priorities

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.

Vision

Daytona State College is the premier source for education and training to facilitate individual advancement and economic development in Volusia and Flagler counties.

Institutional Values

Community – The College community encompasses our students, faculty, staff and the public we serve. Our community is built upon mutual respect, effective and open communication, and civic responsibility.

Integrity – Daytona State College strives for the highest ethical standards in all areas of operation, including the fair and consistent treatment of all members of the College community. The college fully supports academic freedom and the right of intellectual pursuit.

Excellence – To achieve academic excellence, professionalism, and quality in all the programs and services we offer, Daytona State College employs a system of continuous improvement based on assessment, accountability and engagement with the entire community.

Diversity – Diversity of people, thought and expression provides energy and vitality for the learning process. Daytona State College celebrates both the originality and distinction of individuals and cultures, while at the same time valuing the common bonds that unite us as a global community.

Innovation – Innovation and creativity are the keys to our growth as an institution, as well as the growth and success of our students. Daytona State College prides itself on its ability to adapt to a rapidly changing world, finding positive and creative solutions to the challenges it faces.

Student Success – There is no value more important than the success of our students. Our main goal is to provide students with the skills, knowledge and drive to succeed in the classroom, the workplace and in life. Beyond this success, we hope to instill in our students a lifelong love of learning.

Going for the Gold: 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.

- Establish clear, learning-based pathways that link coursework to a range of credentials and careers.
- Implement innovative teaching practices that increase student success.
- Close education attainment gaps among students from diverse backgrounds.

ENHANCE STUDENT SUCCESS

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

- Ensure that all students are on a guided academic pathway leading to a credential and a career.
- Track students along their pathway in real time and identify any problems they face in meeting their learning goals.
- Provide targeted academic, social and financial supports to keep students on a pathway to completion.

BUILD COMMUNITY PARTNERSHIPS

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

- Raise the profile of DSC in the community by contributing to meeting community needs and increasing community awareness of the college's mission and services.
- Develop partnerships that expand and strengthen educational pathways for our students.
- Partner with community organizations and businesses to increase student success, retention and completion.

EMPHASIZE INSTITUTIONAL EFFECTIVENESS

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

- Leverage organizational resources to advance wide-scale implementation of effective solutions.
- Offer a positive working environment that attracts and retains diverse and talented faculty, staff and administrative leaders whose primary focus is to promote student success.
- Provide a learning and working environment that supports the student success agenda of the college.

Academic Calendars

2019 Academic Calendars

Spring 2019

Spring Semesters 2019	Spring Full Term	Spring A Term	Spring B Term	Adult Education Classes
Advance Registration for Spring 2019 (currently enrolled students based on priority)	Oct. 29	Oct. 29	Oct. 29	
Open Registration for Spring 2019	Nov. 1	Nov. 1	Nov. 1	Nov. 1
College Open	Jan. 2	Jan. 2	Jan. 2	Jan. 2
Spring Planning	Jan. 7-11	Jan. 7-11	Jan. 7-11	Jan. 7-11
Spring Classes begin	Jan. 14	Jan. 14	March 18	Jan. 14
Martin Luther King Holiday	Jan. 21	Jan. 21	Jan. 21	Jan. 21
Last day to submit proof of FL residency	Jan. 14	Jan. 14	March 18	Jan. 14
State Employee Registration	Jan. 14-16	Jan. 14-15	March 18-19	N/A
Last Day to Add/Drop with 100% Refund	Jan. 16	Jan. 15	March 19	N/A
Last Day to Change Major	Jan. 16	Jan. 16	Jan. 16	N/A
Attendance 1 Roster Open for Submission	Jan. 17	Jan. 16	March 20	N/A
Attendance 1 Verification Due	Jan. 24	Jan. 24	March 25	N/A
Last Day to Change "I" Grade awarded in Fall Semester	Jan. 28	Jan. 28	Jan. 28	N/A
Financial Aid Census Date	Feb. 1	Feb. 1	March 29	N/A
Course Evaluation Period for A Term	N/A	Feb. 15 - March 1	N/A	N/A
Spring Break	March 11-15	March 11-15	March 11-15	March 11-15
Commencement Book Deadline	March 22	March 22	March 22	N/A
Last Day to Withdraw from Classes	March 29	Feb. 22	April 22	N/A
Attendance 2 Roster Open for Submission	March 30	Feb. 23	April 23	N/A
Advance Registration for Summer 2019/Fall 2019 (currently enrolled students based on priority)	April 1	April 1	April 1	N/A
Attendance 2 Verification Due	April 3	Feb. 27	April 26	N/A
Open Registration for Summer 2019 and Fall 2019	April 4	April 4	April 4	N/A
Awards Convocation	April 11	April 11	April 11	N/A
Course Evaluation Period for Full and B Terms	April 19-May3	N/A	April 19-May 3	N/A
Last Day to Apply for Spring 2019 graduation	May 3	May 3	May 3	
Grade Roster Open	May 3	March 1	May 3	N/A
Spring Classes End	May 10	March 8	May 10	May 10

Last Faculty Duty Day	May 10	March 8	May 10	May 10
** Grades due by noon 48 hours after final exam (24 hrs for A/B terms)				
Commencement	May 13	May 13	May 13	May 13
Diplomas Mailed to Graduates	June 7	June 7	June 7	N/A

Summer 2019

Summer Semesters 2019	A Term	Full Term	B Term	Adult Education Classes (A)	Adult Education Classes (B)
Commencement Book Deadline for May 2019 Ceremony	March 22	March 22	March 22	March 22	March 22
Advance Registration for Summer 2019/Fall 2019 (currently enrolled students based on priority)	April 1	April 1	April 1	N/A	N/A
Open Registration for Summer 2019 and Fall 2019	April 4	April 4	April 4	April 4	April 4
First Faculty Duty Day	May 15	May 15	July 1	May 15	May 15
Classes Begin	May 15	May 15	July 1	May 15	July 1
Last Day to Add/Drop with 100% Refund	May 16	May 17	July 2	N/A	N/A
State Employee Registration	May 15-16	May 15-17	July 1-2	N/A	N/A
Attendance 1 Roster Open for Submission	May 17	May 18	July 3	N/A	N/A
Attendance Verification (1) Due	May 22	May 22	July 8	N/A	N/A
Financial Aid Census Date	May 27	May 27	July 10	N/A	N/A
Memorial Day	May 27	May 27	May 27	May 27	May 27
Course Evaluation Period for Summer A Term	Jun 7-19	N/A	N/A	N/A	N/A
Last Day to Withdraw from Classes	June 14	June 27	July 29	N/A	N/A
Attendance 2 Roster Open for Submission	June 15	June 28	July 30	N/A	N/A
Attendance 2 Verification Due	June 19	July 2	Aug. 2	N/A	N/A
Last Day to Change "I" Grade awarded in Spring Semester	June 25	June 25	June 25	N/A	N/A
Independence Day	July 4	July 4	July 4	July 4	July 4
Course Evaluation Period for Summer 10 Wk and Summer B	N/A	July 19-Aug. 2	July 19-Aug. 2	N/A	N/A
Last Day to Apply for Summer 2019 Graduation	Aug. 2	Aug. 2	Aug. 2	N/A	N/A
Grade Roster Open	June 21	July 12	Aug. 7		
Classes End	June 26	July 19	Aug. 12	June 26	Aug. 9
Last Faculty Duty Day	June 26	July 19	Aug. 12	June 26	Aug. 9
Grades Due*	June 27	July 20	Aug. 13	June 27	Aug. 10
Diplomas Mailed to Graduates	Sept. 3	Sept. 3	Sept. 3	N/A	N/A

*Grades Due - 48 hours after final exam for full term, 24 hours after final exam for A & B sessions. No later than published date.
Summer A 30 days Summer 10-week 46 days Summer B 30 days

Fall 2019

Fall Semester 2019	Fall Full Term	Fall A Term	Fall B Term	Adult Education Classes
Advising Week for Summer and Fall 2019 Registration	March 25	March 25	March 25	March 25
Advance Registration for Summer 2019 / Fall 2019 (currently enrolled students based on priority)	Apr. 1	Apr. 1	Apr. 1	N/A
Fall Planning (Faculty Professional Development)	Aug. 14-20	Aug. 14-20	Aug. 14-20	Aug. 14-20
Last day to submit proof of Florida Residency	Aug. 21	Aug. 21	Oct. 17	Aug. 21
Fall Classes Begin	Aug. 21	Aug. 21	Oct. 17	Aug. 21
Labor Day Holiday	Sept. 2	Sept. 2	Sept. 2	Sept. 2
State Employee Registration	Aug. 21-23	Aug. 21-23	Oct.17-18	N/A
Last Day to Add/Drop	Aug. 23	Aug. 22	Oct. 18	N/A
Last Day to Change Major	Aug. 23	Aug. 23	Aug. 23	N/A
Attendance 1 Verification Due	Aug. 30	Aug. 30	Oct. 25	N/A
Financial Aid Census Date	Sept. 10	Sept. 10	Oct. 29	N/A
Last Day to Change "I" Grade awarded in preceding Summer	Sept. 26	Sept. 26	Sept. 26	N/A
Course Evaluation Period Session A		Sept. 20-Oct.. 7		
Advising Week for Spring 2020 registration	Oct. 21	Oct. 21	Oct. 21	21
Advance Registration for Spring 2020 (currently enrolled students based on priority)	Oct. 30	Oct. 30	Oct. 30	N/A
Last Day to Withdraw from classes no grade penalty	Oct. 30	Sept. 25	Nov. 20	N/A
Open Registration for Spring	Nov. 4	Nov. 4	Nov. 4	N/A
Attendance 2 Verification Due	Nov. 6	Oct. 2	Nov. 27	N/A
Thanksgiving Holidays (Begins 5 p.m. Wed. 11/27)	Nov. 28-29	Nov. 28-29	Nov. 28-29	Nov. 28-29
Course Evaluation Period Full Term and Session B	Nov. 15 - Dec. 3		Nov. 15-Dec. 3	Nov. 15-Dec. 3
Last Day to Apply for Fall 2018 Graduation	Dec. 4	Dec. 4	Dec. 4	
Grade Roster Open	Dec. 4	Oct. 8	Dec. 4	Dec. 4
Fall Classes End	Dec. 11	Oct. 15	Dec. 11	Dec. 11
Last Faculty Duty Day	Dec. 13	Oct. 15	Dec. 13	Dec. 13
Grades Due	Dec. 12	Oct. 16	Dec. 12	Dec. 12
Holidays	Dec. 16 - Jan. 1	Dec. 16 - Jan. 1	Dec. 16 - Jan. 1	Dec. 16 - Jan. 1

Diploma Mailed to graduates	Jan. 17	Jan. 17	Jan. 17	N/A

* *Grades due 24 hours after final exam
Full Term (1)=78 days (32 MW, 31 TR, 63 M-R, 61 MTRF) FA7 =39 days (15 MW, 16 TR, 31 M-R, 30 MTRF) FB7 =38 days (16MW, 15 TR, 31 M-R,29 MTRF)

2020 Academic Calendars
Spring 2020

Spring Semesters 2020	Spring Full Term	Spring A Session	Spring B Session	Adult Education Classes
Advising Week for Spring 2020 registration	21-Oct	21-Oct	21-Oct	21-Oct
Advance Registration for Spring 2020 (currently enrolled students based on priority)	30-Oct	30-Oct	30-Oct	
Open Registration for Spring 2020	4-Nov	4-Nov	4-Nov	4-Nov
College Open	2-Jan	2-Jan	2-Jan	2-Jan
Spring Planning	Jan 13-17	Jan 13-17	Jan 13-17	Jan 13-17
Spring Classes Begin	21-Jan	21-Jan	16-Mar	21-Jan
Martin Luther King Holiday	20-Jan	20-Jan	20-Jan	20-Jan
Last day to submit proof of FL residency	23-Jan	22-Jan	18-Mar	23-Jan
State Employee Registration	Jan 21-23	Jan 21-22	Mar 16-17	na
Last Day to Add/Drop	23-Jan	22-Jan	18-Mar	na
Last Day to Change Major	23-Jan	22-Jan	18-Mar	na
Attendance 1 Roster Open for Submission	24-Jan	23-Jan	19-Mar	na
Attendance 1 Verification Due	31-Jan	31-Jan	25-Mar	na
Last Day to Change "I" Grade awarded in Fall Semester	25-Jan	25-Jan	25-Jan	na
Financial Aid Census Date				na
Course Evaluation Period Session A		Feb 14 - 27		
Spring Break	Mar 09-13	Mar 09-13	Mar 09-13	Mar 09-13
Commencement Book Deadline	20-Mar	20-Mar	20-Mar	na
Last Day to Withdraw from classes	2-Apr	19-Feb	20-Apr	na
Attendance 2 Roster Open for Submission	3-Apr	20-Feb	21-Apr	na
Advising Week for Summer and Fall 2020 registration	23-Mar	23-Mar	23-Mar	23-Mar
Advance Registration for Summer 2020/Fall 2020 (currently enrolled students based on priority)	1-Apr	1-Apr	1-Apr	1-Apr
Attendance 2 Verification Due	8-Apr	26-Feb	27-Apr	na
Open Registration For Summer 2020 and Fall 2020	6-Apr	6-Apr	6-Apr	6-Apr
Awards Convocation	9-Apr	9-Apr	9-Apr	9-Apr

Course Evaluation Period Full Term and Session B	April 10 - 30		Apr 10 - 30	Apr 10 - 30	
Last Day to Apply for Spring 2020 Graduation	24-Apr	24-Apr	24-Apr	na	
Grade Roster Open	1-May	28-Feb	1-May		
Spring Classes End	8-May	6-Mar	8-May	8-May	
Last Faculty Duty Day	8-May	8-Mar	8-May	8-May	
Grades Due*	9-May	7-Mar	9-May	9-May	
Commencement	11-May	11-May	11-May	11-May	
Diplomas Mailed to Graduates	5-Jun	5-Jun	5-Jun	na	
* *Grades due 24 hours after final exam					
Full Term (1) =74 days (29 MW, 32 TR, 59 MTRF) SA7 = 34 days (13 MW, 13 TR, 31 MTRF) SB7 = 40 days (15 MW, 16TR, 32 MTRF)					

Summer 2020

Summer Semesters 2020	Summer A	Summer 10 week	Summer B	Adult Education Summer A	Adult Education Summer B
Commencement Book Deadline for May 2020 Ceremony	3/20/2020	3/20/2020	3/20/2020	3/20/2020	3/20/2020
Advising Week for Summer and Fall 2020 registration	23-Mar	23-Mar	23-Mar	23-Mar	23-Mar
Advance Registration for Summer 2020/Fall 2020 (currently enrolled students based on priority)	1-Apr	1-Apr	1-Apr	na	na
Open Registration for Summer 2020/Fall 2020	6-Apr	6-Apr	6-Apr	6-Apr	6-Apr
First Faculty Duty Day	13-May	13-May	29-Jun	13-May	1-Jul
Classes Begin	13-May	13-May	29-Jun	13-May	1-Jul
Last Day to Add/Drop	14-May	14-May	30-Jun	na	na
State Employee Registration	May 13-14	May 13-14	June 29- 30	na	na
Attendance 1 Roster Open for Submission	15-May	15-May	1-Jul	na	na
Attendance 1 Verification Due	20-May	20-May	6-Jul	na	na
Financial Aid Census Date					
Memorial Day	25-May	25-May	25-May	25-May	25-May
Course Evaluation Period for Summer A	May 29 - Jun 16				
Last Day to Withdraw from classes	10-Jun	25-Jun	27-Jul	na	na
Attendance 2 Roster Open for Submission	11-Jun	26-Jun	28-Jul	na	na
Attendance 2 Verification Due	17-Jun	1-Jul	31-Jul	na	na
Independence Day	4-Jul	4-Jul	4-Jul	4-Jul	4-Jul

Course Evaluation Period for Summer 10 wk and Summer B		Jun 30 - Jul 9	Jul 17 - Aug 2		Jul 17 - Aug 2
Last Day to Apply for Summer 2020 Graduation	31-Jul	31-Jul	31-Jul	na	na
Grade Roster Open	17-Jun	10-Jul	3-Aug		
Classes End	24-Jun	17-Jul	10-Aug	30-Jun	10-Aug
Last Faculty Duty Day	24-Jun	17-Jul	10-Aug	30-Jun	10-Aug
Grades Due	25-Jun	18-Jul	11-Aug	30-Jun	10-Aug
Diplomas Mailed to Graduates	4-Sep	4-Sep	4-Sep	na	na
Summer A (UA6) = 30 days Summer 10 week (U10) = 47 days Summer B (UB6) = 31 days					

Academic Information

Contemporary education should provide a level of knowledge that all members of our society must possess regardless of any specialized occupation or profession. To this end, Daytona State College has designed its curriculum to provide you with sufficient knowledge which will permit you to be a more responsible, articulate and informed citizen. Over 100 programs are offered at the bachelor's, associate and certificate level.

Programs and Courses

Academic Program Code Listing (PDF)

View the Academic Program Code Listing (PDF).

or

View the Academic Program CIP Code Listing (PDF).

Academic Program Information

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) 506-4495.

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 both the 24- and 18-credit hour diploma options. The diploma is offered through online competency-based classes. Students must earn the required 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 the Daytona Beach Campus during fall semester and at the Deltona Campus during spring semester.
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.

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; Electrical Training Alliance of Daytona Beach, Electrical Union Apprenticeship, JATC Program 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 Services Department.

Associate of Science Degree Programs

The two-year Associate of Science (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 enroll in Daytona State College's 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 full Reading and ESOL Endorsements.

The majority of courses within this program are designed in a hybrid (50% live, 50% online) format. Most courses are 8 weeks in length and require 15 hours of field experience in a Volusia or Flagler County public school setting. The senior internship is a full semester (16 weeks) and serves as the pre-service teacher's culminating learning experience.

Bachelor of Science in Nursing (BSN)

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.

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

The Bachelor of Applied Science in Supervision and Management degree allows students from various industries to study the principles of applied management as they progress in their chosen career fields.

The BAS degree program offers both online and in-person evening courses, allowing students to design a schedule that accommodates their work, family and travel obligations.

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.

Supervision and Management

BAS in Supervision and Management

Your Associate degree program prepared you to enter the job market at an entry-level or mid-level position. The BAS program will broaden your knowledge of applied management practices and put you on the path to career advancement.

BAS Program Mission Statement

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.

The Bachelor of Applied Science (BAS) in Supervision and Management program prepares individuals who already have skills in specific occupational/technical areas for supervisory and management roles and positions. Associate degree programs have prepared these individuals to enter the job market at entry-level or mid-level positions. Upper-level coursework in the BAS program broadens their knowledge in applied management practices and prepares them for supervisory and management opportunities within their occupational/technical fields. Those with associate degrees are eligible to apply for admission to the Daytona State College BAS in Supervision and Management program.

Contact

For more information, call (386) 506-4BAS or email BASinfo@DaytonaState.edu.

Website: www.daytonastate.edu/dept_directory_bas/

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 daytonastate.edu. All applicants must provide an official transcript from all previous institutions attended.
2. A conferred Associate of Arts or Associate of Science from a regionally accredited institution of higher education; or
3. 60 credits of transferable college-level coursework from a regionally accredited institution, including at least 15

credits of general education coursework with a grade of "C" or better.

4. Completion of ENC1101 – Introduction to Composition or its equivalent with a grade of "C" or better, and eligibility for MAT1033 – Intermediate Algebra or MGF2106 – Survey in Mathematics.

5. A 2.0 or greater cumulative GPA on all college coursework.

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.

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:

- The Bachelor of Applied Science (BAS) in Supervision and Management consists of 120 total required credits: 42 credits of BAS program specific coursework, 36 credits of state-mandated general education core coursework, and 42 credits of associate degree courses.

Depending on whether a student enters the BAS program with a previously completed Associate of Arts, Associate of Science, or 60 transferable credits, their pathway to completion will be different:

Students with an Associate of Arts (AA) degree will typically enter the program with the 36 credits of general education coursework and 24 credits of associate degree program of study completed. To complete the BAS program, they will require 42 credits of BAS program specific coursework, along with 18 credits of approved lower-division technical coursework (see below).

Students with an Associate of Science (AS) degree will typically enter the program with 15-21 credits of general education coursework and 45 credits of technical coursework completed as part of their AS program of study. These students require 42 credits of

program specific BAS courses as well as 15-21 credits of general education core classes to complete the 36 credits of state-mandated general education core coursework (see below).

Students with no conferred degree and 60+ transferable credits will be evaluated on a case-by-case basis.

General Education Core Requirements	36
Associate Degree Credit	42
BAS Program Specific Credit	42
Total …	**120**

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

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

- 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.

Program of Study

Refer to Program Guide. (p. 253)

Supervision and Management Courses

The core management coursework of the Bachelor of Applied Science program consists of 42 credits focused around human interaction, management, and leadership. 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.

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. Students will begin with GEB3213 – Business Writing, and complete their degrees with MAN4900, a capstone project which ties the program coursework together with real world experience:

GEB3213	Business Writing	3
MAN3353	Management Theory and Practices	3
MAN3240	Organizational Behavior	3
BUL3130	Legal, Ethical, and Social Aspects of Business	3
ACG3024	Accounting for Non-Financial Majors	3

MAN4162	Customer Relations for Managers	3
MAN4301	Human Resource Management	3
ISM4011	Introduction to Management Information Systems	4
MAN4120	Leadership Challenges and Supervision	3
GEB4891	Strategic Management and Decision Making	4
MAN4504	Operational Decision Making	3
GEB4930	Selected Topics in Management	3
MAN4900	Capstone Project in Supervision and Management	4

Total 42

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.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. GEB4930: Topics rotate each term; check section notes for course topic information.

MAN4900, the Capstone course, is the final course in the program, and must be taken in the final semester.

Education

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/). Please contact the School of Education at (386) 506-4374 for additional test preparation resources.

Volusia County Schools Volunteer clearance:
1. Complete the Volunteer Online Application. The following links will take you directly to the Online Volunteer Application site:

English
Application: https://apps.raptorware.com/vsoft/kiosk/volunteerregistration?clientId=c556628d-1b14-4ef1-99a0-6fc318d172b1

Spanish
Application: https://apps.raptorware.com/vsoft/kiosk/volunteerregistration?clientId=c556628d-1b14-4ef1-99a0-6fc318d172b1&lang=esp

The above applications also can be found under the Volunteer/Partnership Program's website at http://myvolusiaschools.org/volunteer-partnership/Pages/default.aspx

All students must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:
1. In the Affiliations column, the box marked 'other,' type in 'DSC Junior Intern.'
2. In the Organizations column, select the box marked 'Daytona State College.'
3. Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a 'hold' queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the application clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

For questions, please contact Ashorda Foley (386) 255-6475 ext. 38379.

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	Introduction to the Teaching Profession	3
	AND	
EEX2010 When you click on this hyperlink this class should be offered Fall, Spring and Summer	Introduction to Special Education	3
	AND	
MAE2801	Elementary School Mathematics	3

MAE2801: For BSED Elementary and ESE majors only

Secondary Mathematics Education

MAC2311C	Calculus I and Lab	4
	AND	
MAC2312C	Calculus II and Lab	4
	AND	
MACXXXX		4
	OR	
MTGXXXX		4
	OR	
MASXXXX		4

Secondary Biology Education

MAC2311C	Calculus I and Lab	4
	AND	
BSC1010C	General Biology I (For Science Majors) and Lab	4
	AND	
BSC1011C	General Biology II (For Science Majors) and Lab	4
	AND	
CHM1045C	General College Chemistry I and Lab	4
	OR	
PHY1053C	General Physics I and Lab	4
	OR	
PHY2048C	Physics with Calculus I and Lab	5

Secondary Earth/Space Science Education

MAC2311C	Calculus I and Lab	4
	AND	
GLY2010C	Physical Geology and Lab	4
	AND	
OCE1001	Introduction to Oceanography	3
	AND	

BSC1010C	General Biology I (For Science Majors) and Lab	4
	AND	
BSC1011C	General Biology II (For Science Majors) and Lab	4
	OR	
CHM1045C	General College Chemistry I and Lab	4
	AND	
CHM1046C	General College Chemistry II and Lab	4
	OR	
PHY2048C	Physics with Calculus I and Lab	5
	AND	
PHY2049C	Physics with Calculus II and Lab	5

Secondary Chemistry Education

MAC2311C	Calculus I and Lab	4
	AND	
CHM1045C	General College Chemistry I and Lab	4
	AND	
CHM1046C	General College Chemistry II and Lab	4
	AND	
PHY2048C	Physics with Calculus I and Lab	5
	AND	
PHY2049C	Physics with Calculus II and Lab	5
	OR	
PHY1053C	General Physics I and Lab	4
	AND	
PHY1054C	General Physics II and Lab	4

Secondary Physics Education

| MAC2311C | Calculus I and Lab | 4 |
| | AND | |

MAC2312C	Calculus II and Lab	4
	AND	
MAC2313C	Calculus III and Lab	4
	AND	
CHM1045C	General College Chemistry I and Lab	4
	AND	
CHM1046C	General College Chemistry II and Lab	4
	AND	
PHY2048C	Physics with Calculus I and Lab	5
	AND	
PHY2049C	Physics with Calculus II and Lab	5

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/). Please contact the College of Education at (386) 506-3770 for additional test preparation resources.

Volusia County Schools Volunteer clearance:

1. Complete the Volunteer Online Application. The following links will take you directly to the Online Volunteer Application site:

English Application: https://apps.raptorware.com/vsoft/kiosk/volunteerregistration?clientId=c556628d-1b14-4ef1-99a0-6fc318d172b1

Spanish Application: https://apps.raptorware.com/vsoft/kiosk/volunteerregistration?clientId=c556628d-1b14-4ef1-99a0-6fc318d172b1&lang=esp

The above applications also can be found under the Volunteer/Partnership Program's website at http://myvolusiaschools.org/volunteer-partnership/Pages/default.aspx

All students who are going to complete their field hours must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:

2. In the Affiliations column, the box marked 'other,' type in 'DSC Junior Intern.'

3. In the Organizations column, select the box marked 'Daytona State College.'

4. Once submitted, the online application will be re-directed to the VIPS Department for approval. The

application will stay on a 'hold' queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the application clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

For questions, please contact Ashorda Foley (386) 255-6475 ext. 38379.

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	Introduction to the Teaching Profession AND	3
EEX2010	Introduction to Special Education AND	3
MAE2801	Elementary School Mathematics	3

MAE2801: For BSED Elementary and ESE majors only

Secondary Mathematics Education

MAC2311C	Calculus I and Lab AND	4
MAC2312C	Calculus II and Lab AND OR OR	4

Secondary Biology Education

MAC2311C	Calculus I and Lab AND	4
BSC1010C	General Biology I (For Science Majors) and Lab AND	4
BSC1011C	General Biology II (For Science Majors) and Lab AND	4
CHM1045C	General College Chemistry I and Lab OR	4
PHY1053C	General Physics I and Lab OR	4
PHY2048C	Physics with Calculus I and Lab	5

Secondary Earth/Space Science Education

MAC2311C	Calculus I and Lab AND	4

GLY2010C	Physical Geology and Lab AND	4
OCE1001	Introduction to Oceanography AND	3
BSC1010C	General Biology I (For Science Majors) and Lab AND	4
BSC1011C	General Biology II (For Science Majors) and Lab OR	4
CHM1045C	General College Chemistry I and Lab AND	4
CHM1046C	General College Chemistry II and Lab OR	4
PHY2048C	Physics with Calculus I and Lab AND	5
PHY2049C	Physics with Calculus II and Lab	5

Secondary Chemistry Education

MAC2311C	Calculus I and Lab AND	4
CHM1045C	General College Chemistry I and Lab AND	4
CHM1046C	General College Chemistry II and Lab AND	4
PHY2048C	Physics with Calculus I and Lab AND	5
PHY2049C	Physics with Calculus II and Lab OR	5
PHY1053C	General Physics I and Lab AND	4
PHY1054C	General Physics II and Lab	4

Secondary Physics Education

MAC2311C	Calculus I and Lab AND	4
MAC2312C	Calculus II and Lab AND	4
MAC2313C	Calculus III and Lab AND	4
CHM1045C	General College Chemistry I and Lab AND	4
CHM1046C	General College Chemistry II and Lab AND	4
PHY2048C	Physics with Calculus I and	5

	Lab AND	
PHY2049C	Physics with Calculus II and Lab	5

Additional Information:

- Once accepted, students must enroll in and complete the mandatory New Student 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; Natural Sciences - 6 hrs; Humanities (Cultural and Aesthetic Foundation) - 9 hrs; Social (Science) Foundation - 6 hrs; and Cultural/Global Focus – 3hrs.

BS in Education

Daytona State's Bachelor of Science in Education degree programs prepare students to design, develop and implement effective classroom management techniques and instructional strategies. While enrolled in our programs, you will spend many hours in Volusia and Flagler County public schools working with children in kindergarten through high school, practicing the instructional strategies learned in your college courses. Degree programs include:

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

These programs fulfill the education courses, professional education competencies and practical experience required to obtain a five-year Florida Professional Educators Certificate. Students enrolled in these programs are required to complete field experience hours and a fulltime (unpaid) student senior internship in the public schools. Elementary Education and Exceptional Student Education programs also include a reading endorsement and an ESOL endorsement.

Mission Statement

The School of 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 programs embrace diversity, promote ethics in education, focus on student excellence and enhance teaching and learning through innovative instructional practices.

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.
    NOTE: Failure to pass all three of the FTCE's listed above may result in a delayed senior internship and prevent program completion.
- 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 a State approved teacher preparation program for individuals with a bachelor's degree (other than education) who are interested in becoming highly-qualified, certified teachers in Florida. Candidates who successfully complete the seven courses in EPI (with associated fieldwork), program requirements, and all portions of the Florida Teacher Certification Exams (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 Bachelor of Science in Education program(s) as a part-time or full-time student.

1. **Are Online, Hybrid (50% - 50%) Face-to-Face B.S. in Education courses available?**

Yes. The BSED program offers classes in all these formats. While most BSED courses are offered in the Hybrid format (50% on-line & 50% face-to-face), there are only a couple of courses offered fully online.

1. **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 BSED program.

1. **Are classes offered during the day and evening?**

While you will find some BSED courses offered in the evening, most are offered during the day between 8 a.m. and 2 p.m.

1. **Do I have to be proficient with technology in the BSED program?**

Many classes require online knowledge as well as Falcon Online (Daytona State's learning management system), and Office 365. Technical assistance can be provided by the FalconAID Student Help Desk either by emailing at helpdesk@daytonastate.edu , by calling (386) 506-3950, or by visiting the Walk-In Kiosk at Daytona Site on the Daytona campus in Building. 300, Room 109.

1. **Does the BSED 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 for Secondary Education majors, but it will satisfy the requirement that meets the Florida Consent Decree stipulations for content area teachers.

1. **Are Education students required to complete a Senior Internship?**

Yes, the last semester of all BSED programs will require students complete a senior internship (unpaid). 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 Clinical Education Certified Volusia or Flagler County teacher host.

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 shape 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.

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.

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.

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.

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.

B.S. 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.

B.S. 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.

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 School 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.

Engineering Technology

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.

Information Technology

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.

Nursing

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 their state of residence. 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 Registered Nursing License from state of residence.
   - 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 Registered Nursing License from state of residence.
   - Two professional letters of recommendation (one from a current or prior employer).
6. If MAC1105, MGF2106 or ENC1101 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, Linda.Vought@DaytonaState.edu

Amy Szoka, Chair, School of Nursing, 386-506-3720, Amy.Szoka@DaytonaState.edu

Kelly Duffy, Assistant Chair, 386-506-3952, Kelly.Duffy@DaytonaState.edu

The Bachelor of Science in Nursing program is nationally accredited through the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326. Phone: (404)975-5000, Fax: (404)975-5020, www.acenursing.org.

Developmental Education

The Developmental Education program at Daytona State helps students develop the skills essential for academic success. The curriculum emphasizes reading, communicating through writing, basic mathematical concepts, and effective life and study skills. Developmental Education consists of non-college credit courses in reading, writing and mathematics. We also offer three college-credit courses to assist students with their academic needs: Intermediate Algebra, Critical Reading Techniques and English Grammar. The college-credit courses can be used toward the A.A. degree.

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 (p. 121).

General Education

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 people 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/developmental education courses. The remaining 24 credit hours are elective credits. Also, graduates must meet the following requirements:

- Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computation Skills (formerly known as the Gordon Rule)
- Florida State Board of Education Administrative Rule 6A-10.02413, Civic Literacy Competency
- Bachelor students must complete the state-mandated foreign language requirement by the time they graduate with their degree. If students are not going to pursue a bachelor's degree they must complete their foreign language requirement before graduating with their AA.
- Complete a Cultural/Global Focus Area course within the General Education curriculum or as an elective.
- Meet the Daytona State College residency requirements.
- Have a cumulative 2.0 GPA and a Daytona State College 2.0 GPA. (See Graduation Requirements and Procedures.)

Florida State Board of Education Administrative Rule 6A-10.030

, College-Level Communication and Computational Skills (formerly known as the Gordon Rule):

In accordance with the Florida Department of Education Administrative Rule, all students are mandated to satisfactorily complete 12 semester hours of courses which include written assignments demonstrating college-level writing skills and also satisfactorily complete 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 College-Level Communication and Computational Skills courses within the 60 credits must complete additional courses to fulfill AA degree requirements.

Courses that satisfy the College-Level Communication and Computational Skills rule are part of the General Education Core and are listed in the college catalog under Requirements for Associate of Arts Degree under

Communication, Mathematics, Humanities and Social Sciences. **College-Level Communication and Computational Skills Writing Courses** consist of any course denoted as a College-Level Communication and Computational Skills course EXCEPT those in the Mathematics Core.

Florida State Board of Education Administrative Rule 6A-10.02413

, Civic Literacy Competency

In accordance with the Florida Department of Education Administrative Rule, first-time-in-college AA and baccalaureate students entering a Florida College System institution in the 2018-19 academic year, and thereafter, must demonstrate competency in civic literacy prior to graduation. Students can meet this requirement through one of the following options: successfully pass POS2041 American Federal Government or AMH2020 United States History 1865 to Present; or achieve a standard score on one of three assessments:

- AP Government and Politics: United States
- AP United States History or
- CLEP: American Government.

Foreign Language Requirements

Students who are enrolled in DSC's Associate of Arts degree or a baccalaureate degree program are required to meet foreign language requirements. One of the following options can do this requirement:

- Completion of two credits (two years) of sequential high school foreign language instruction in one language other than English with a passing grade each year as documented on an official high school transcript.
- Completion of two college semesters of the same foreign language, or in American Sign language at the level of ASL2140 with a passing grade in each course to demonstrate proficiency in a foreign language at the elementary two level or above.
- Passing Advanced Placement (AP), Cambridge Advanced International Certificate of Education Program (AICE), College Level Examination Program (CLEP), International Baccalaureate (IB), or other DSC recognized testing equivalent to the sequence of two college credit courses in one foreign language.

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. This requirement satisfies foreign language proficiency at Daytona State College, it may not satisfy a specific university graduation requirement. Students should

contact the institution they are interested in attending to find out their requirements.

Florida Statute 1007.25

Cultural/Global Focus Area Elective

Three (3) of the 24 elective credits must be a Cultural/Global Focus Area elective. This is a graduation requirement for students in the Associate of Arts (A.A.) degree. This requirement can also be satisfied using a course designated as Cultural/Global under Humanities and Social Sciences within the General Education curriculum. If the Cultural/Global Focus Area graduation requirement is satisfied using a course in the general education curriculum, the graduation requirement is satisfied. If not, students must complete one as an elective within the Associate of Arts (AA) Electives.

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

General Education Core

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

I. Communication - 9 Credits

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

ENC1101, ENC1102: satisfy the College-Level Communication and Computational Skills Administrative Rule.

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 College-Level Communication and Computational Skills Administrative Rule requirement in mathematics.

MGF2106	Survey in Mathematics	3
MGF2107	Mathematics for Liberal Arts	3
STA2023	Elementary Statistics	3

MAC1105	College Algebra	3
MAC2311C	Calculus I and Lab	4

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

III. Natural Sciences - 6 Credits (Choose two)- One must be from Column I

Note: Higher-level natural science courses also will satisfy the core requirement.

Column I

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
BSC1010C	General Biology I (For Science Majors) and Lab	4
BSC1085C	Human Anatomy and Physiology I and Lab	4
CHM1020	Chemistry in Society	3
CHM1045C	General College Chemistry I and Lab	4
EVR2001	Introduction to Environmental Science	3
PHY1020	Energy and its Environmental Effects	3
PHY1053C	General Physics I and Lab	4
PHY2048C	Physics with Calculus I and Lab	5

Column II

BOT1010C	General Botany and Lab	4
BSC1020	Human Biology	3
CHM1025C	Introduction to Chemistry and Lab	4
GLY2010C	Physical Geology and Lab	4
HUN1201	Human Nutrition	3
MET2010	Meteorology	3
OCB2000C	Introduction to Marine Biology and Lab	4
OCE1001	Introduction to Oceanography	3
PSC1121	Physical Science	3

IV. Humanities - 6 Credits (Choose two) - One must be from Column I

(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 College-Level Communication and Computational Skills Administrative Rule writing requirement.

Column I

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Column II

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH2050	Survey of Art History I	3
ARH2051	Survey of Art History II	3
DAN1100	Dance Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2030	Understanding Poetry	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL2380	Popular Music in America	3
REL2300	World Religion	3

HUM2020, HUM2210, HUM2230, LIT2110, LIT2120, REL2300: Satisfies the Cultural/Global Focus Area graduation requirement.

V. Social Sciences - 9 Credits (SLS1122 + Choose Two) - One must be from Column I

SLS1122 is required of all students in the Associate of Arts (A.A.) degree. It is strongly recommended that students take SLS1122 within the first semester of course work. Some students may be exempt from the requirement to complete SLS1122. Cases in which a student in the AA program are exempt are:

1. Transfer students with 24+ credits and a 2.75 cumulative GPA;
2. Readmit students with 24+ credits and a 2.75 cumulative GPA; and
3. Students who change their program from an AS program to the AA program with 24+ credits toward the AA and a 2.75 cumulative GPA.

It is required that students successfully pass either POS2041, American Federal Government, or AMH2020, United States History 1865 to Present, to demonstrate competency in civic literacy. Students may also complete

one of three assessments. See introductory paragraph for more information.

Note: Those courses that contribute to the College-Level Communication and Computational Skills Administrative Rule writing requirement are identified as AMH2020, ECO2013, SYG2000, AMH2010, ECO2023, and GEB2430.

Column I

AMH2020	United States History 1865 to Present	3
ANT2000	Introduction to Anthropology	3
ECO2013	Principles of Macroeconomics	3
POS2041	American Federal Government	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

AMH2020, POS2041: Satisfies Civic Literacy Competency graduation requirement.

Column II

AMH2010	United States History to 1877	3
AMH2091	Survey of African American History	3
CPO2001	Comparative Government	3
DEP2004	Developmental Psychology	3
ECO2023	Principles of Microeconomics	3
EUH2000	History of Western Civilization to 1648	3
GEB2351	International Business	3
GEB2430	Ethics and Social Responsibility	3
GEO2000	World Geography	3
GEO2420	Cultural Geography	3
INR2002	International Relations	3
SLS2281	Diversity, Culture and Communication	3
SYG2010	Social Problems and Deviance	3
WOH2012	World History Before 1500	3

AMH2091, CPO2001, EUH2000, GEB2351, GEO2000, GEO2420, INR2002, SLS2281, SYG2010, WOH2012: Satisfies the Cultural/Global Focus Area graduation requirement. EDF2085 also satisfies the Cultural/Global graduation requirement.

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

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 MAT0018C, ARR0121C, CJK0012. Courses in limited access programs are available only for students admitted to that program. (See Course Descriptions)

*Three (3) of the 24 elective credits must be a Cultural/Global Focus Area elective. This is a graduation requirement for students in the Associate of Arts (A.A.) degree. This requirement can also be satisfied using a course designated as Cultural/Global under Humanities and Social Sciences within the General Education curriculum. If the Cultural/Global Focus Area graduation requirement is satisfied using a course in the general education curriculum outlined above, then the graduation requirement is satisfied. If not, choose one to take as an elective within the Associate of Arts (AA) Electives.

Florida regulations require students to take any prerequisites needed for their intended transfer school/major as part of their 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

For associate of science programs, students are required to complete a minimum of 15 credits in the general education subject areas of: Communications; Humanities, Mathematics, Social Sciences; and Natural Sciences (F.A.C. 6A-10.024). Appropriate competencies in college-level communication and computational skills have been included in program specific courses for those programs not requiring general education coursework related to those skills. Three (3) credits of the required (6) credits of mathematics can be met with applied logic, statistics and any other computation coursework outside of the School of Mathematics (F.A.C. 6A-10.030).

Complete program descriptions and requirements are listed in this catalog. For information about a particular AS degree or certificate program, contact an academic advisor or the School's chairperson or assistant chair. Based on credits previously earned, students planning to continue on to a baccalaureate program may need to complete additional requirements, which may include foreign language or communication/computational skills.

Each course used to satisfy general education courses must be completed with a grade of 'C' or higher.

General Education Core – 15 credits

Courses meeting the general education requirement are distributed in the following subject areas:

I. Communication

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

ENC1101, ENC1102: Satisfies the College-Level Communication and Computational Skills Administrative Rule requirement in writing.

II. Mathematics

Note: Higher-level mathematics courses also will satisfy this requirement.

MGF2106	Survey in Mathematics	3
MGF2107	Mathematics for Liberal Arts	3
STA2023	Elementary Statistics	3
MAC1105	College Algebra	3
MAC2311C	Calculus I and Lab	4

MAC1105: Students seeking to transfer to Bachelor's programs are often recommended to complete MAC1105 to satisfy their Mathematics core requirement. See an academic advisor for details.

III. Natural Sciences

Note: Higher-level natural science courses also will satisfy this requirement.

Column I

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
BSC1010C	General Biology I (For Science Majors) and Lab	4
BSC1085C	Human Anatomy and Physiology I and Lab	4
CHM1020	Chemistry in Society	3
CHM1045C	General College Chemistry I and Lab	4
EVR2001	Introduction to Environmental Science	3
PHY1020	Energy and its Environmental Effects	3
PHY1053C	General Physics I and Lab	4
PHY2048C	Physics with Calculus I and Lab	5

Column II

BOT1010C	General Botany and Lab	4
BSC1020	Human Biology	3
CHM1025C	Introduction to Chemistry and Lab	4
GLY2010C	Physical Geology and Lab	4
HUN1201	Human Nutrition	3
MET2010	Meteorology	3
OCB2000C	Introduction to Marine Biology and Lab	4
OCE1001	Introduction to Oceanography	3
PSC1121	Physical Science	3

IV. Humanities

Note: All courses in this area satisfy the College-Level Communication and Computational Skills Administrative Rule writing requirement.

Column I

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Column II

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH2050	Survey of Art History I	3

ARH2051	Survey of Art History II	3
DAN1100	Dance Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2030	Understanding Poetry	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL2380	Popular Music in America	3
REL2300	World Religion	3

HUM2020, HUM2210, HUM2230, LIT2110, LIT2120, REL2300: Satisfies the Cultural/Global Focus Area

V. Social Sciences

Column I

AMH2020	United States History 1865 to Present	3
ANT2000	Introduction to Anthropology	3
ECO2013	Principles of Macroeconomics	3
POS2041	American Federal Government	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Column II

AMH2010	United States History to 1877	3

AMH2091	Survey of African American History	3
CPO2001	Comparative Government	3
DEP2004	Developmental Psychology	3
ECO2023	Principles of Microeconomics	3
EUH2000	History of Western Civilization to 1648	3
GEB2351	International Business	3
GEO2420	Cultural Geography	3
GEB2430	Ethics and Social Responsibility	3
GEO2000	World Geography	3
INR2002	International Relations	3
SLS1122	Managing Your Success	3
SLS2281	Diversity, Culture and Communication	3
SYG2010	Social Problems and Deviance	3
WOH2012	World History Before 1500	3

SLS1122 Managing Your Success

Managing Your Success teaches students how to navigate through college, learn about themselves and develop lifelong skills. It builds awareness of the skills and expectations in college and the workplace, and provides hands-on experience with commonly used tools and services.

The course covers:
- **College expectations and resources -** the College Catalog, Student Handbook and a variety of student support services;
- **Academic and personal skills -** motivation, goal setting, time management, financial literacy, stress management and more;
- **Technology -** using the student portal, Falcon Online course navigation, basic Word and PowerPoint skills;
- **Academic and career planning -** developing a strong understanding of individual major/degree goals and how to prepare for the world of work.

Special Notes:

This course is part of the General Education Core for all students enrolled in the Associate of Arts (AA) program; students must earn a C or better to pass the course. Students should take this course in their first semester.
- Students who transfer or readmitted students with 24+ credits and minimum 2.75 GPA are **exempt.**
- Students who are switching from an A.S. to A.A. program with 24+ credits and minimum 2.75 GPA are **exempt.**
- Students enrolled in an active bachelors program are not required to complete SLS1122.

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 institutions 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.

Modes of Instruction

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, online courses and independent study 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. 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 30% to 79% 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://www.daytonastate.edu/online/index.html. 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://www.daytonastate.edu/online/index.html. For Online courses, select 'Online and Hybrid' for Instructional Method, and please read 'Section Info'.

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.

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: daytonastate.edu/career_services.

For additional information, or to register for a co-op experience, contact the chairperson of your academic department or Career Services.

Specialized Programs/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). Students who plan to major in Psychology at the baccalaureate level will be better prepared for the baccalaureate curriculum by completing this 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 all program requirements will be met. For more information on this program, students should contact the department chair, Dr. Michael Flota at (386) 506-3844, 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 programs 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 Trevor Burns, ATC, Director of Sports Medicine, at 386-506-3435.

Florida East Coast TechHire Grant

Daytona State College has been awarded the Florida East Coast Tech Hire (FECT) grant through the Department of Labor. This grant is a partnership between Daytona State College, Eastern Florida State College and Florida State College. The grant focuses on providing free training and related services to achieve employment and certifications in the areas of Advanced Manufacturing and Information Technology.

The grant provides the following:
- TECHHIRE training Boot Camps that are short-term, accelerated, programs that offer industry-recognized credentials in the Advanced Manufacturing and Information Technology Fields;

- Support Services that may include childcare, behavioral counseling, career counseling and other related services to successfully complete the training programs;
- Assistance with employment including internships, apprenticeships, and job placement;
- Additional job skills development to include resume design, interviewing skills and workplace/employer expectations.
  For more, visit daytonastate.edu/mytechhire.

Quanta-Honors College

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

Quanta-Honors students take many of their general education courses in learning community course clusters. (Electives and pre-requisite courses for specific majors may still be taken outside Quanta-Honors.) Each cluster is made up of multiple courses that are integrated around a theme. Past themes, for example, have included "Myth and the Hero's Journey" (Introduction to Composition, Introduction to Humanities, Critical Thinking), "Plastic Paradise" (Introduction to Oceanography, General Psychology, Survey in Mathematics), and "Radical Communities" (Writing with Research, Literature and Culture, Introduction to Internet Research).

The classes are challenging, but extensive support is available to ensure that students do well. Students work in small groups and 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. Plus, there are some awesome perks:

- Nearly all course readings are provided to students through Falcon Online at no charge, cutting students' total textbook expenses by 50% or more.
- Students make a lot of new friends because class work is done mainly in small groups.
- Students who maintain a 3.2 grade point average receive a 10-percent tuition scholarship each semester.

- Quanta-Honors students are provided a dedicated classroom with a student lounge and computers for their exclusive use.
- Quanta-Honors faculty help you figure out where to transfer for your bachelor's degree and help you decide on a major. We also have specialized transfer agreements with Stetson University, Eckerd College and the Burnett Honors College at UCF. Stetson offers Quanta-Honors students a financial package covering 100% of tuition and fees for the bachelor's degree.

Entrance Requirements

Quanta-Honors is for any student who wants to be an honors student! Some students join the program having already participated in previous high school or other honors programs; others are first-timers. We think success comes from hard work and dedication, and we welcome students who are eager to add 'honors' to their accomplishments for the first time. We also welcome students from diverse backgrounds. Typical classes include traditional college students as well as non-traditional students, dual enrolled high school students, veterans, and parents. All students are encouraged to apply.

Graduating with a Quanta-Honors College degree

In addition to completing courses through the Quanta-Honors College, 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 3.2.

For more information about the Quanta-Honors College, please visit daytonastate.edu/quantahonorscollege or contact:

Ben Graydon
Chair, Quanta-Honors College
Daytona State College
1200 West International Speedway Boulevard
Daytona Beach, Florida 32114
(386) 506-3927
Benjamin.Graydon@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. (College prep/developmental courses, which 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. (College prep/developmental courses, which 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). A statement will appear on transcript reflecting the honors recognition received. (All coursework used for GPA calculation is used, excluding college prep/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

The Florida SBDC at Daytona State College is a grant-funded program of the U.S. Small Business Administration and a sub-center of the Florida SBDC at UCF. The FSBDC at Daytona State College is a team of certified professionals who are dedicated to providing management advice and training to potential and existing entrepreneurs. The center's no-cost services include individual consulting, workshops, specialized assistance and online classes.

Consultant expertise focuses on areas vital to accelerating business growth:

- 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. Applicants must have worked or volunteered in veterinary hospital at least 40 hours prior to applying for admission to fulfill clinical observation requirement.

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 Elementary Statistics (STA2023)
- General Biology I and Lab (For Science Majors) (BSC1010C) or Survey of Biological Sciences (For Non-Science Majors) (BSC1005) and Survey of Biological Sciences Lab (For Non-Science Majors) (BSC1005L)
- 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 Lab I (ATE1650L)
- Veterinary Clinical Practice Lab II (ATE1654L)
- Laboratory Animal Medicine (ATE1671L)
- Veterinary Medical Terminology (ATE1741)
- Veterinary Work Practicum I (ATE1943)
- Veterinary Work Practicum II (ATE1944)
- Small Animal Breeds and Behavior (ATE2050C)
- Introduction to Dental Techniques (ATE1412C)
- 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 https://web.spcollege.edu/courses/program/VETTC-AS.*

Teacher Certification/Recertification Preparation

Individuals who want to take courses for teacher certification or certification renewal should visit https://www.daytonastate.edu/dept_directory_edu/altcert_renewal.html for further information.

In addition, applicants must:
- Contact the Daytona State College School of Education Department for additional information and approval of courses before registering.
- Provide verification that a Bachelor's degree was previously earned.
- If currently employed as a teacher in a public school, provide employment verification from Human Resources or the principal.
- **If you DO NOT work for a PUBLIC school district**, you MUST complete the Volunteer Online Application. The following links will take you directly to the Online Volunteer Application site:

-       English Application URL: https://apps.raptorware.com/vsoft/kiosk/volunteerregistration?clientId=c556628d-1b14-4ef1-99a0-6fc318d172b1

-       Spanish Application URL: https://apps.raptorware.com/vsoft/kiosk/volunteerregistration?clientId=c556628d-1b14-4ef1-99a0-6fc318d172b1&lang=esp

The above links can also be found under the Volunteer/Partnership Program's website at:

 http://myvolusiaschools.org/volunteer-partnership/Pages/default.aspx
- All students who are going to complete their field hours must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the

Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:

- In the 'Affiliations' column, the box marked 'other' and type in 'DSC Junior Intern'

- In the 'Organizations' column, the box marked 'Daytona State College'

• Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a "hold" queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the applicant clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

For questions, please contact Ashorda Foley (386-255-6475 x 38379).

• Inaccurate or incomplete information may delay your results. The clearance is good for five years.

Check the academic calendar for specific dates for the registration of state employees.

Stand-Alone Reading Endorsement

The K-12 Reading Endorsement will allow Florida educators to meet the need for highly-qualified teachers in reading, per the Florida Department of Education requirements under the Just Read, Florida! initiative. The School of Education offers the opportunity to complete the five reading competencies through three rigorous online courses: RED3012 Principles of Reading, RED4519 Diagnosis, Intervention in Reading, RED4844 Reading Practicum.

Enrollment Services

Admissions

Daytona State College Admissions

If you're considering a college that can offer you a quality education at an affordable cost, Daytona State College is the right place for you. For more than 60 years, Daytona State has been the institution of choice for thousands of Volusia and Flagler County residents as well as students from all over the state, country, and internationally. In addition to the Associate of Arts/University Transfer degree, Daytona State also offers more than 100 associate of science degrees and certificates, as well as the Bachelor of Applied Science in Supervision and Management, the Bachelor of Science in Engineering Technology, the Bachelor of Science in Information Technology, the Bachelor of Science in Nursing and seven Bachelor of Science in Education degrees. Daytona State features small class sizes, personal attention from expert faculty, six campus locations and convenient, flexible class schedules that can fit your busy lifestyle.

We offer you a comprehensive college experience, including career planning, varsity athletics, student clubs and cultural events. Whether you've been out of school for some time and need help preparing for the rigors of college studies, or are ready to take on the challenge of our acclaimed honors programs, our dedicated staff and faculty are ready to help you achieve your goals at Daytona State.

Great value

Daytona State College is less expensive than other colleges for similar classes. Offering quality education at affordable prices, it is the best value in higher education today! Student financial assistance is also available to those who qualify.

Over 100 degree and certificate programs to choose

Daytona State College offers many degree and program options to fit your life goals, whether you want to gain short-term training to start a career, build new skills, or transfer to other four-year public or private colleges or universities.

DirectConnect to UCF

Daytona State associate of arts degree students have a clear path to transfer to UCF through the university's nationally recognized DirectConnect program. DirectConnect 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 DirectConnect, speak with your DSC academic advisor early in your freshman year.

Seamless transfer to other four-year colleges and universities

Daytona State College students transfer seamlessly to many public and private colleges and universities every year. They save hundreds, sometimes thousands of dollars by starting at Daytona State College.

Bachelor's degree programs offered

Daytona State College offers the Bachelor of Applied Science in Supervision and Management (BAS). Your associate degree program prepared you to enter the job market at an entry level or mid-level position. The BAS program will broaden your knowledge of applied management practices and put you on the path to career advancement. The BAS can be pursued as a stand-alone program or with a concentration in hospitality management.

The College also offers seven Bachelor of Science in Education (BSED) degrees: Elementary Education, Exceptional Student Education, Secondary Mathematics Education, Secondary Biology Education, Secondary Chemistry Education, Secondary Physics Education, and Secondary Earth/Space Science Education for students whose dream is to become a teacher. These programs incorporate an innovative curriculum with cutting-edge technology. Our experienced faculty is dedicated to providing students with the essential knowledge and strategies needed to become a successful teacher.

The Bachelor of Science in Engineering Technology (BSET) can be pursued as a stand-alone program or with a concentration in electrical engineering technology. Engineering technology focuses primarily on analyzing, applying, implementing and improving existing technologies for the practice of engineering closest-to-product improvement, manufacturing and engineering operational functions.

The Bachelor of Science in Information Technology (BSIT) prepares graduates with the knowledge to design and implement information technology systems to solve real-world problems. Job titles for graduates of the program include: computer programmer, computer

software engineer, systems analyst, network and computer systems administrator, and database administrator.

The Bachelor of Science in Nursing (BSN) is designed for students who already have an Associate of Science in Nursing (or equivalent) who desire to continue their education at the baccalaureate level. It provides a seamless transition from the associate degree to the baccalaureate degree and can prepare students for advancement in the field of nursing.

Short-term training to begin a career

If you are aiming to enter the workforce as soon as possible, or improve your skills, Daytona State College's career programs prepare you to go right into high-demand careers. Check out the list of associate of science and certificate programs to find a program that fits your goals: immediate career entry after graduation.

Small class sizes

With a 26:1 student/faculty ratio, you will receive individualized attention from faculty who care. No large, impersonal lecture halls here!

Great professors who care

Because Daytona State College faculty members are dedicated to teaching instead of research, their focus is on your learning. Your professors will know your name and care about your perspectives and success. You can ask additional questions or discuss coursework during their office hours.

Superior student services

Not only will you receive personal attention in the classroom, but all across the campus. Tutoring, career services, advising and counseling are just some of the student-centered services available.

Academic support services

The Academic Support Center offers free tutoring and individualized assistance to help you succeed in your classes. You can drop in anytime for math and writing assistance or make an appointment for tutoring in other subjects.

Day/evening on-site and online

Daytona State College offers courses during the day, at night, online, weekends and through independent study and self-directed modular learning. Please see the college's Online Programs website at http://www.daytonastate.edu/online for the variety of classes being offered.

Up-to-date facilities

Our main campus is located on 100 acres in Daytona Beach, with regional campuses located throughout Volusia and Flagler counties. All of the facilities include multimedia classrooms and computer labs equipped with the latest software.

Daytona State College is fully-accessible to students with disabilities. An array of services and accommodations can also be arranged through the Office of Counseling and Accessibility Services. The college has adaptive computer equipment to assist with technology services to help students with disabilities achieve academic success. For more information, contact the Director of Counseling and Accessibility Services.

Quanta-Honors College

Daytona State's well-respected Quanta-Honors College is perfect for students seeking to transfer to other competitive four-year colleges or who want an additional intellectual challenge. Quanta-Honors is a small, nationally recognized learning community that combines several traditional courses under a common theme, offering students the challenge of seeing and exploring the relationships and ideas between seemingly unrelated subjects.

You will participate in groups with other students to share ideas and explore a multitude of viewpoints. This sense of community will help you to develop a greater sense of involvement with other students and your professors, while the group skills that you gain will be invaluable to you later in the workplace. Quanta-Honors students receive special recognition at graduation and on their official transcripts.

Email: admissions@DaytonaState.edu

Phone: (386) 506-3642

Campus Tours: (386) 506-4471

Mail To:

Admissions Office
Daytona State College
1200 W. International Speedway Blvd.
Daytona Beach, FL 32114

Admissions Office Hours:

Office hours may vary due to holiday observances or peak enrollment. Please check the Admissions website at www.daytonastate.edu/admissions/visit.html to verify hours of service.

Daytona Beach Campus
Mon - Thurs, 8 a.m. - 6 p.m.

Fri, 8 a.m. - 5 p.m.

DeLand Campus
Tue, Thurs, 8 a.m. - 6 p.m.
Mon, Wed, Fri, 8 a.m. - 5 p.m.

Deltona Campus
Mon, 8 a.m. - 6 p.m.
Tue - Fri, 8 a.m. - 5 p.m.

Flagler/Palm Coast Campus
Mon, Wed - Fri, 8 a.m. - 5 p.m.
Tue, 8 a.m. - 6 p.m.

New Smyrna Beach-Edgewater Campus
Tue - Fri, 8 a.m. - 5 p.m.
Mon, 8 a.m. - 6 p.m.

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 or other eligible diploma type, 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) 506-3642. You can apply online or in person at any campus.

Students with a Certificate of Completion or Special Diploma, or without a high school diploma may be admitted to the following certificate programs:
- Air Conditioning, Refrigeration and Heating Mechanic
- Air Conditioning, Refrigeration and Heating Technology
- Automotive Collision Repair and Refinishing
- Automotive Service Technology
- Barbering
- Building Trades and Construction Technology
- Cosmetology
- 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 may be submitted online at www.DaytonaState.edu/apply.
2. Applicants for the BAS program must have earned an associate degree. 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 and qualify for MAT1033 and ENC1101 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 (all four sections) 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 (www.DaytonaState.edu/apply).
6. Grade of "C" or higher in the following pre-requisite classes: EDF1005, , EEX2010,   MAE2801. Students enrolled in the A.A. degree program prior to the 2017-18 catalog year can complete the common prerequisites of EDF1005, EDF2085, and EME2040 with a grade of "C" or higher. In addition, there may also be program specific pre-requisites:
- Elementary Education and Exceptional Student Education: no additional pre-requisites.
- Secondary Mathematics Education Program: MAC2311C (4 credits), MAC2312C (4 credits) and an additional 4 credit math elective (MAS, MTG, or MAC)
- Secondary Biology Education: MAC2311C (4 credits), BSC1010C (4 credits), BSC1011C (4 credits) and one of the following: CHM1045C (4 credits), PHY1053C (4 credits) or PHY2048C (5 credits)
- Secondary Earth/Space Science Education: MAC2311C (4 credits), OCE1001, GLY2010C (4 credits) and one of the following combinations: BSC1010C and BSC1011C, or CHM1045C and CHM1046C, or PHY2048C and PHY2049C
- Secondary Chemistry Education: Grade of "C" or higher in the following pre-requisite classes: MAC2311C (4 credits), CHM1045C (4 credits), CHM1046C (4 credits), and one of the following combinations: PHY2048C and PHY2049C, or PHY1053C and PHY1054C
- Secondary Physics Education: MAC2311C (4 credits), MAC2312C (4 credits), MAC2313C (4 credits), PHY2048C, PHY2049C, CHM1045C, and CHM1046C

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, MAC1105 and ENC1101 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, MAC1105 and ENC1101 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 Registered Nursing License. Applicants must submit two professional letters of recommendation (one from a current or prior employer). In addition, students must qualify for MAT1033 and ENC1101 prior to being accepted to the BS in Nursing program.

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).

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 transcript documenting a standard high school diploma or eligible diploma type or GED® transcript/scores, and if applicable, final, official transcripts from all colleges and educational institutions previously attended. 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, please 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 the official documents mentioned above. Until all transcripts are received, students will be unable to register for future semesters. Financial aid will not be disbursed until all transcripts are received. If you have questions about transcripts or are having trouble obtaining your transcripts, please contact the Admission Department at 386-506-3642.

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 (DaytonaState.edu/apply) 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 coursework or have taken the SAT/ACT/CPT/AP, please 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 – Log in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Academics" from the menu bar and then select "Orientation." Watch the videos and complete the Assessment Questions. Select "Next Step of Orientation" to progress to the next section. At the end, you must submit the Verification of Completion Survey to document successful completion of orientation.

6. Register for Classes - Log in to the student portal (My.DaytonaState.edu) using your College username and password. From Falcon Self-Service, go to the Manage Classes tile and select Enroll by My Requirements.

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. Online payments may be made by logging in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Finances" from the menu bar and then select "Make a Payment." To check your account balance and due date, select "Account Inquiry" from the "My Finances" menu item.

8. Obtain Your Student I.D., Parking Decal and Books - Get your student ID card and parking decal at the Question and Answer Center on the Daytona Beach Campus or the Falcon Center on a regional 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 (DaytonaState.edu/apply) 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 – Log in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Academics" from the menu bar and then select "Orientation." Watch the videos and complete the Assessment Questions. Select "Next Step of Orientation" to progress to the next

section. At the end, you must submit the Verification of Completion Survey to document successful completion of orientation.

5. Register for Classes - Log in to the student portal (My.DaytonaState.edu) using your College username and password. From Falcon Self-Service, go to the Manage Classes tile and select Enroll by My Requirements.

    a. 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. Online payments may be made by logging in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Finances" from the menu bar and then select "Make a Payment." To check your account balance and due date, select "Account Inquiry" from the "My Finances" menu item.

    b. Obtain Your Student I.D., Parking Decal and Books - Get your student ID card and parking decal at the Question and Answer Center on the Daytona Beach Campus or the Falcon Center on a regional 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 (DaytonaState.edu/apply) 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 – Log in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Academics" from the menu bar and then select "Orientation." Watch the videos and complete the Assessment Questions. Select "Next Step of Orientation" to progress to the next section. At the end, you must submit the Verification of Completion Survey to document successful completion of orientation.

5. Register for Classes - Log in to the student portal (My.DaytonaState.edu) using your College username and password. From Falcon Self-Service, go to the Manage Classes tile and select Enroll by My Requirements. 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. Online payments may be made by logging in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Finances" from the menu bar and then select "Make a Payment." To check your account balance and due date, select "Account Inquiry" from the "My Finances" menu item.

7. Obtain Your Student I.D., Parking Decal and Books - Get your student ID card and parking decal at the Question and Answer Center on the Daytona Beach Campus or the Falcon Center on a regional 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 (DaytonaState.edu/apply) 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 – Log in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Academics" from the menu bar and then select "Orientation." Watch the videos and complete the Assessment Questions. Select "Next Step of Orientation" to progress to the next section. At the end, you must submit the Verification of Completion Survey to document successful completion of orientation.Register for Classes - Log in to the student portal (My.DaytonaState.edu) using your College username and password. From Falcon Self-Service, go to the Manage Classes tile and select Enroll by My Requirements. 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. Online payments may be made by logging in to the student portal (My.DaytonaState.edu) using your College

username and password. Select "My Finances" from the menu bar and then select "Make a Payment." To check your account balance and due date, select "Account Inquiry" from the "My Finances" menu item.Obtain Your Student I.D., Parking Decal and Books - Get your student ID card and parking decal at the Question and Answer Center on the Daytona Beach Campus or the Falcon Center on a regional 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 (DaytonaState.edu/apply) 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 – Log in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Academics" from the menu bar and then select "Orientation." Watch the

videos and complete the Assessment Questions. Select "Next Step of Orientation" to progress to the next section. At the end, you must submit the Verification of Completion Survey to document successful completion of orientation.

5. Register for Classes - Log in to the student portal (My.DaytonaState.edu) using your College username and password. From Falcon Self-Service, go to the Manage Classes tile and select Enroll by My Requirements.

   a. 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. Online payments may be made by logging in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Finances" from the menu bar and then select "Make a Payment." To check your account balance and due date, select "Account Inquiry" from the "My Finances" menu item.

   b. Obtain Your Student I.D., Parking Decal and Books - Get your student ID card and parking decal at the Question and Answer Center on the Daytona Beach Campus or the Falcon Center on a regional 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 (DaytonaState.edu/apply) 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 – Log in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Academics" from the menu bar and then select "Orientation." Watch the videos and complete the Assessment Questions. Select "Next Step of Orientation" to progress to the next section. At the end, you must submit the Verification of Completion Survey to document successful completion of orientation.

5. Register for Classes - Log in to the student portal (My.DaytonaState.edu) using your College username and password. From Falcon Self-Service, go to the Manage Classes tile and select Enroll by My Requirements.

   a. 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. Online payments may be made by logging in to the student portal (My.DaytonaState.edu) using your College username and password. Select "My Finances" from the menu bar and then select "Make a Payment." To check your account balance and due date, select "Account Inquiry" from the "My Finances" menu item.

   b. Obtain Your Student I.D., Parking Decal and Books - Get your student ID card and parking decal at the Question and Answer Center on the Daytona Beach Campus or the Falcon Center on a regional 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 Declaration 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 Declaration, 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 or 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 concealed weapons permit, a shopping club/rental card or a birth certificate or passport.

Any student who seeks reclassification as a Florida resident must complete and submit an updated Residency Declaration prior to the start date of the term in which they seek reclassification. Reclassification will require the

claimant to provide at least one document from the tier 1 list and 2 other documents from either the tier 1 or 2 category that are a year old prior to the start date of classes for a total of 3 items (please see list above). 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) 506-3642.

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

International Students

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

Degree seeking students must submit the following official records:

1. Application - Complete the application for admission at DaytonaState.edu/apply.
2. Transcripts - International students must submit all required transcripts prior to acceptance. Students who have transcripts from outside the United States are required to submit a final, official evaluation of their transcripts. Evaluations must be performed by a member of the National Association of Credential Evaluation Services (NACES). naces.org/members.htm.
3. Verify Finances - Complete the Verification of Finances Form, which is available from the Admissions Office online at DaytonaState.edu/admissions/int_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:

i) TOEFL Scores – 50 on the Internet Based Test (IBT); 450 on the paper 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. Students who have a score between 50-60 or 450-499 will be required to enroll in 12 credits of English for Academic Purposes in their first semester. Students will need to successfully complete these 12 credits with a grade of "C" or higher in order to continue in their degree program.

ii) IELTS Bandwidth of 5.0 or higher is also accepted in place of TOEFL. Students who have a score between 5.0-5.4 will be required to enroll in 12 credits of English for Academic Purposes in their first semester. Students will need to successfully complete these 12 credits with a grade of "C" or higher in order to continue in their degree program.

iii) Proof of completion of the equivalent of ENC1101, Introduction to Composition

iv) Proof of graduation from a United States high school

v) 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

1. 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:

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

ii) Copy of your I-94

iii) Copy of your most recent I-20

iv) Copy of your visa

1. 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 in the Admissions office 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 International Student Advisor.
- 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.

Intensive English Program students (Levels 4-5) must submit the following official records:

1. Application - Complete the application for admission at DaytonaState.edu/apply.
2. Transcripts - International students must submit all required transcripts prior to acceptance. Students who have transcripts from outside the United States are required to submit a final, official evaluation of their transcripts. Evaluations must be performed by a member of the National Association of Credential Evaluation Services (NACES). naces.org/members.htm.
3. Verify Finances - Complete the Verification of Finances Form, which is available from the Admissions Office online at DaytonaState.edu/admissions/int_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:

i) TOEFL Scores – 36 on the Internet Based Test (IBT); 420 on the paper 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.

ii) IELTS Bandwidth of 4.5 or higher is also accepted in place of TOEFL.

1. 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 International Student Advisor.
- 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.

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 or their initial term. Daytona State College defines full-time status as 12 or more credit hours. (International Students may not participate in programs that are fully online. Other restrictions apply regarding online courses. Please speak to the International Student Advisor for more detailed information).

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 everything it can to help students have a successful and enjoyable educational experience at Daytona State. Please contact our Admissions Office at (386) 506-3642 or email admissions@DaytonaState.edu if you have any questions or need assistance.

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

Limited Access Programs

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

For more information about these programs, please visit the program guide section of this catalog.

- Correctional Officer Recruit Training
- Dental Assisting
- Dental Hygiene
- Emergency Medical Technician
- Fire Fighter
- 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
- Phlebotomy
- 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 (p. 51) 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

Heath Insurance is mandatory for all international students. It will be the student's responsibility to acquire health insurance and provide proof to the International Student Advisor prior to class registration each term (including students on OPT). The coverage must be for a full academic year. Health insurance is not an option – it is a requirement. Students who do not show proof of health insurance will not be permitted to register for classes or continue their enrollment. If you have any questions, please contact the International Student Advisor at 386-506-3642.

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 acts as a compass to provide you with guidance to additional resources, 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 will also reach out to you when your instructor reports that you are doing well in class, 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 ensure you have the support 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 referred to a faculty academic advisor. 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 an "Intended 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. Advisors will periodically reach out to you throughout the semester. At any time during operating hours, you can visit an Academic Advising Center, located on the Daytona Beach, DeLand, Deltona, New Smyrna, or Flagler/Palm Coast campuses. You may also communicate with a faculty member in your major. You can email the advising

office 24/7 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

Online Orientation

Orientation is an important step in getting started in the right direction! Our Orientation program is geared toward awareness, engagement and student success. Moving to an interactive platform, the orientation is administered with multiple short videos. These videos provide a general overview of academic programs, enrollment, important dates, financial aid, Title IX and the various departments available to assist you during your time at Daytona State College.

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

Apprenticeships (including Child Care Specialist, Electrical Non-Union, Electrical Union, and Plumbing Union), Special Credit (including Non-Degree Seeking and Transient), Daytona State Adult Education, Firefighter, Florida Law Enforcement Academy, Emergency Medical Technician, Paramedic, and Correctional Officer Recruit Training.

The online version is available under Online Services at MyDaytonaState. You will be required to enter your Username and password. After you are logged into the portal, click on My Academics > Orientation. Online

Orientation can be accessed from any computer with Internet access (home, work, public library or Daytona State computer labs). Orientation also can be accessed by going to DaytonaState.edu/orientation.

If you have questions about Orientation, contact advising@DaytonaState.edu or call (386) 506-3661.

Assessment

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. 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 Office Support 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 (MAT1033), or 500 or above on math for placement into College Algebra (MAC1105)
- 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 (MAT1033), or 21 or above on math for placement into College Algebra (MAC1105)
- 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 Office Support, 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.

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.

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.

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 as well.

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 Office Support certificate program 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 for placement into ENC1101 and 440 or above on Math for placement into Intermediate Algebra (MAT1033), 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 (MAT1033), or 21 or above on Math for placement into College Algebra (MAC1105);
- 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 MAT1033 (Intermediate Algebra) at another college;
- FCAT 2.0 scores of 262 or above on Reading and Writing.

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 2.0 scores of 262 or above on Reading and Writing;
- 2014 GED Test Reasoning through Language Arts and Mathematics Reasoning minimum score of 145.

Financial Aid

Financial Aid Services

Your decision to attend college is an important one. It's an investment in your future and involves a considerable commitment of time and money. Daytona State College provides a wide variety of quality educational programs at reasonable costs.

Financial Aid is available to help eligible students meet educational expenses. This aid is provided through the federal government, state government, directly from the College, or through private sources and may consist of grants, scholarships, loans or work.

The Office of Financial Aid Services assists over 12,000 students a year and distributes over $60 million through a variety of Federal, State and local programs in various grants, loans, scholarships and work, including Bright Futures and Veterans benefits.

Applying for financial aid is not as complicated as you might think. The important thing to remember is to take it one step at a time and plan in advance!

The first step in applying for all forms of financial aid is to complete the Free Application for Federal Student Aid (FAFSA). This form is available online, and the quickest way to apply is to visit the website www.fafsa.gov. You must list the Daytona State College federal school code on the application, which is 001475.

The processed document, called a Student Aid Report (SAR), is electronically sent to the Daytona State Office of Financial Aid Services and constitutes the application for all student financial assistance. When the SAR is received, the Financial Aid Services Office will post any outstanding verification documents and other necessary forms on the portal for the applicant (on the Daytona State College home page, click on the MyDaytonaState link to access the portal). Any outstanding documents must be returned to the Office of Financial Aid Services as soon as possible. Many of these outstanding documents can be completed on-line and electronically sent to the Financial Aid Services Office.

The financial aid process can be lengthy; you should allow at least 4-6 weeks prior to your enrollment for all paperwork to be finalized. When the process is complete, you will receive an email at your Daytona State email address on how to access your financial aid award on the MyDaytonaState portal (on the Daytona State home page, click on the MyDaytonaState link). Late applicants will have their applications considered for an award on a rolling basis.

Financial Aid specialists and counselors are available to assist students Monday through Friday in the Daytona campus office, and also at the regional campuses on a convenient basis.

The main office address is:

Daytona Beach Campus
Building 100, Room 104
1200 W. International Speedway Blvd
Daytona Beach, FL 32114

Phone: (386) 506-3015
Fax: (386) 506-4442
Email: financialaid@DaytonaState.edu

Office Hours:
Monday-Thursday: 8 a.m. - 6 p.m.
Friday: 8 a.m. - 5 p.m. (During summer hours, Friday 8 a.m. – 12 p.m.)

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.

The Daytona State College Foundation scholarship application process opens in the spring semester for scholarships for the following 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) 506-3370.

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 college credit or 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 college credit or vocational certificate.

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

6. Not be in default on a loan or owe a repayment on any previous federal or state grant 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 defer tuition and fees against the scholarship or grant amount indicated on the financial aid award on the portal 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, enrollment verification has been completed, and the census date has passed 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.

Each registered student will be sent a Refund Selection Kit in the mail at the current address on file with the College 7-10 business days after the first registration for college credit or clock hour courses. This will allow you to select a refund preference. Daytona State College has partnered with BankMobile, and all refunds are disbursed by BankMobile. For more information on the DSC BankMobile disbursements, go to daytonastate.edu/studentaccounts/BankMobileDisbursements.html.

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 email at the DSC email address on how to access your financial aid award on the MyDaytonaState portal.

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 post on the portal any documents or information that must be submitted (such as an IRS Tax Transcript). This information is available on the MyDaytonaState portal. 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, 2019. (Verification must be completed within 120 days after a student's last day of attendance, but not later than June 30, 2019.)

Standards of Satisfactory Progress
Satisfactory Academic Progress Procedures – Effective Academic Year 2018-2019

To comply with current federal regulations, the Daytona State College Office of Financial Aid Services will monitor the academic progress toward a certificate or degree completion. Students who fail to maintain the required cumulative grade point average, successfully complete at least 67% of all course attempts, and do not complete their certificate or degree requirements within the prescribed length of time will no longer be eligible for future student financial assistance from federal, state, or college funds.

Daytona State College (DSC) believes that a Program-Based Satisfactory Academic Progress (SAP) Policy provides an equitable assessment of academic performance (for both native and transfer students).

Satisfactory Academic Progress will be measured at the end of each semester, including summer sessions.

Students must meet the requirements in components 1, 2 & 3 below in each semester to maintain eligibility for financial assistance. These three SAP measures will be based on all coursework that is applicable to the student's current degree or certificate program of study. If the student doesn't meet all three of the requirements each semester (not just the previous semester or academic year), the student will not be eligible for financial aid. (Students are disbursed aid only for classes applicable to their degree program.)

The guidelines below apply to all periods of enrollment, whether or not the student received aid for those periods. If a course is repeated, each attempt is included in the Completion Ratio (Pace) and Maximum Time Frame calculations. Developmental coursework is not included in the Maximum Time Frame calculations.

1. Qualitative Component: Students must earn a minimum cumulative grade point average (Cum GPA) of 2.0., including the grades in any developmental/remedial classes. (Developmental/remedial classes are not counted as part of the overall college GPA.) Grades of A, B, C, D, F, FN, I, P, SP, and WF are included in the Financial Aid Program GPA. Grades of W, W1, and X are not included in the Financial Aid Program GPA.

2. Quantitative Component (Pace): Students must successfully complete at least of 67% of all courses attempted. For example, students who have attempted 9 credits, must earn 7 credits to maintain a 67% completion rate. Students who have attempted 24 credits cumulatively, must earn 17 credits cumulatively.

3. 150% of Program Length: The students must complete their program of study within 150% of the timeframe allowed. For example, students enrolled in a 60 credit degree program must complete their program before exceeding 90 attempted credits. For students who change majors, only coursework attempted and earned that is applicable to the new program of study is counted in the maximum timeframe. Developmental and remedial classes are excluded from the 150% calculation. Throughout enrollment, as soon as it can be determined that a student is not on target to graduate within 150% of the standard program length, financial aid will be suspended.

Students may be identified and suspended as they reach the 150% time limit, but the college understands there are situations such as enrollment for a 2nd or subsequent degree, a change of major, or the non-applicability of transfer credit the could result in a student needing a reset of the PACE requirements.

4. Transfer Students: The Records Office evaluates and posts transcripts from prior institutions that are submitted to the college. All posted transfer credit hours that are applicable to the student's current degree or certificate program of study are subject to being counted for SAP purposes (minimum cumulative Financial Aid GPA, Completion Ratio (Pace), and Maximum Time Frame calculations).

5. Warning Status: If a student fails to meet the Qualitative and Quantitative components (#1 and #2 above), the student may be granted a "warning" semester during which time aid can be received. At the conclusion of the warning period, the student must be in compliance with the SAP policy. If at the end of the warning period the student still does not meet the cumulative SAP measures, the student will become ineligible for financial aid for the next semester, and placed on financial aid suspension. NOTE: There is no "warning" semester if a student fails to complete his/her degree or certificate program within 150% of the program length.

6. Suspension: A student will become ineligible to receive financial aid and placed on financial aid suspension if not meeting SAP requirements following any warning or a probationary period (See #9 below.), or if the student fails to complete his/her degree or certificate program within 150% of the program length (or it is determined mathematically not possible to complete within 150% of the program length). This will result in the ineligibility for all federal, state and institutional financial aid. Students who do not meet the standards of satisfactory progress requirements will be notified via email shortly after the semester that their progress falls below the standards. Students may also view their current SAP status on the MYDAYTONASTATE portal.

7. Return to Good Standing: Once placed on financial aid suspension, a student may regain financial aid eligibility by completing future class work and returning to good standing. Students are responsible for covering the costs of these classes.

8. Appeals: When a student becomes ineligible, they have a right to appeal the suspension of their financial aid based on extenuating circumstances beyond their control that prevented them from satisfying the SAP requirements. Students must state in their written appeal what has changed to enable their success during the upcoming semester.

All appeals must be submitted in writing and documentation must be provided. Appeal forms are online at the Financial Aid Services web site, or in any of the financial aid offices. SAP appeal decisions are determined on a case-by-case basis.

Extenuating circumstances beyond a student's control include, but are not limited to:
- Serious illness or medical emergencies of the student or their immediate family;
- Death of an immediate family member or caregiver;
- Domestic violence;
- Involuntary call to active military duty, including National Guard and first responders in disaster situation;
- Other extraordinary/emergency situations and life changing events.

The following situations are not considered extenuating circumstances beyond the student's control:
- Incarceration;
- Voluntary pause, lapse, or termination of employment;
- Voluntary overtime;
- Being irresponsible or not understanding the SAP requirements.

An appeal should be submitted by the priority deadline for the applicable semester as indicated on the appeal form.

Appeals without supporting documentation will not be approved. Students will be notified of the final decision of the appeal through the Daytona State email address within 2 weeks. A student whose appeal has been approved for Probation (see below) will sign an Academic Plan, and return a signed copy to the Financial Aid Services Office. While on an approved appeal, the student must maintain good standing. An appeal approval may need to extend the PACE limitations so that the Academic Plan can be completed.

9. Probation: The Office of Financial Aid may grant the student who failed to meet the satisfactory academic progress requirements a "probationary" semester based on the extenuating/mitigating circumstances and reinstate financial aid eligibility for one additional semester.

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 a required Academic Plan. Students can continue to receive financial aid while on probation and an academic plan, even though they are not in good standing. If upon review, at the end of the probation semester, the student has not returned to good standing, but has met the requirements of the Academic Plan, the student will continue on probation and the academic plan for the subsequent semester of enrollment.

Upon appeal, if approved for additional credits to graduate from the student's current program, all classes must be successfully completed or 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.

The requirements of the Academic Plan will vary depending on the student's specific academic history. In general, students who are approved for Probation will be required to successfully complete 100% of all attempted credits and earn at least a 2.0 term GPA in each subsequent semester of enrollment until they return to Good Standing (some students may be required to earn a higher term GPA if their cum GPA is below 2.0).

The Academic Plan must be signed and returned by the student prior to the reinstatement of financial aid. Student's should sign and return the Academic Plan within 10 days of receipt to ensure aid is available for the upcoming semester.

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.

When a student fails to meet the requirements of Probation and the Academic Plan, the student has the right to appeal again 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.

10. Reinstatement from Suspension: Students who fail to maintain successful completion rate and/or cumulative GPA as outlined on their Academic Plan will be suspended from future financial aid and must return to good standing prior to regaining eligibility 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 more of classes before the student may become eligible for financial aid again. (Please note: Reinstatement does not usually pertain to the suspension for exceeding the maximum credit review. However, if a student who was ineligible for financial aid due to maximum credit timeframe graduates and enters a new degree program, the student could regain eligibility for financial aid if he/she has not exceeded the maximum credit timeframe for the new degree.)

11. Repeated Courses: When repeating a course, students may receive financial aid for a course if the previous grade was an F or W. [Please note: For vocational (clock hour) courses, a student may not receive financial aid for repeated courses unless 180 days have passed.] In addition, students may also receive financial aid for a repeated course if the initial grade earned does not meet the requirements for the program or meet the prerequisite requirement for the next course in the sequence. Students may only receive financial aid for a repeated course one additional time once they have passed the class (received a grade of D or above).

12. Non-Credit Courses: These courses are not eligible for Title IV assistance and do not satisfy requirements of any Title IV eligible academic programs. Therefore, they are not considered in the determination of Satisfactory Academic Progress.

13. 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.

14. Developmental Courses and English as a Second Language (ESL) classes: 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.

The first 30 credits of a student's developmental coursework do not count toward the 150% limit, however developmental credits attempted and grades earned in these courses are counted in the qualitative and quantitative academic progress measures. There are two exceptions: EAP 1500 (Advanced Listening/Speaking) and EAP 1695 (Advanced English as a Second Language II) are included in the Completion Ratio (Pace) and Maximum Time Frame calculations.

All courses withdrawn from are considered credits attempted, but not earned.

In addition, the following select college-level courses are also included:
- MAT 1033
- MAT 1033L
- MAT 1100
- SLS 1101
- SLS 1126
- EAP 1500
- EAP 1695

Note that the following required prerequisites - MAT 1033, MAT 1033L, and MAT 1100 - can be paid with financial aid and are treated as developmental courses when considering the 30-credit hour limit described above; however, unlike the typical developmental courses, these courses WILL be counted when calculating Completion Ratio and Maximum Time Frame for SAP purposes.

15. Academic Grade Forgiveness: All courses attempted that are applicable to a student's current degree or certificate program of study are included in all SAP calculations, regardless of the college Academic Grade Forgiveness.

16. Treatment of Waivers, Exemptions, Course Substitutions and Milestones: There are instances where individual courses or an entire requirement group (group of courses) in an academic program are designated as completed based on previous coursework, specific accomplishments, and/or previous degree completion. Such designations are referred to as waivers, exemptions, course substitutions, and/or milestones. In such cases, the designated amount of credit hour(s) will be counted in your Completion Ratio (Pace) and Maximum Time Frame calculations as both attempted and completed credit hours. In the case of course substitutions, that course would count instead of the typically required course.

Example: A student with a prior AA degree or higher comes to DSC or re-enrolls at DSC in a bachelor's program. The 36 credit hours of general education

requirements are designated as completed. In this case, those 36 credit hours are counted as both attempted and completed for Completion Ratio and Maximum Time Frame calculations.

17. Requirements met for graduation: If a student has already taken and completed the coursework required to graduate from a specific degree or certificate program of study, he/she is no longer eligible to be considered for future financial aid as long as you remain in that specific program of study, whether or not "official" graduation has been granted.

18. Items to remember: The Financial Aid Services Office is not notified when grades are changed after the final grading period. It is the responsibility of the student to request a re-evaluation of their eligibility.

Students who attended DSC in the past and re-enroll, will be reviewed for SAP for financial aid purposes on all previously attempted courses and transfer credit hours that are applicable to the student's current degree or certificate program of study, regardless of how long ago the student attended DSC.

Students may modify their initial course schedule up to the last day to drop with a refund. Classes that are dropped during this time period are not counted as part of the SAP evaluation process. If a student withdraws after the Last Day to Drop with a Refund, it will negatively affect the Completion Ratio (Pace) and Maximum Time Frame requirements.

If a student graduates, or changes degree or certificate program, their SAP calculation will reset to only count those credit hours that are applicable to their new program of study. Courses that do not count toward the new program of study will NOT be included in the SAP calculation.

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.

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 Title IV Refund Requirements for Students Who Withdraw (Officially or Unofficially)

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 (SEOG), 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 wishing to withdraw can do so online in their portal, or by visiting the Falcon Center on any campus. 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.

The college will verify enrollment with faculty 3 times during the 'semester. At the end of the add/drop period, any student marked at "not attending/not participating" will be dropped from the class and the student's enrollment status updated.

At the mid-point of the semester, faculty will report continued enrollment or the last day of class participation. Faculty are given instructions that participation in class means interaction with the faculty member (for example, class attendance, lab attendance, taking a test, turning in an assignment) and that participation does not mean just

signing into the online class shell. The grade will be a W1 on the college transcript.

The faculty will report on the final grade roster the last date of attendance/participation for any student who stopped attending after the submission of the W1 grade. The final grade will be FN and is also accompanied by the last date of attendance.

The data reported by the faculty will be used in the determination of an "unofficial" withdrawal and the subsequent applicability of the federal return to Title IV refund (R2T4) policy which may result in a refund being due. The Office of Financial Aid is charged with processing all of the R2T4 calculations; informing the student of the outcome; and notifying the Office of Student Accounts so they too can update the student's account.

If a refund is due, the college will refund the balance due to the US Department of Education, and then transfer the liability to the college.

Attending Terms A/B: 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 or stops attending 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 or stops attending 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.)

Withdrawal may result in the student owing a balance to the College. 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.

For example, if a student withdraws from all classes, the calculation of funds earned is as follows:

Semester length = 15 weeks (110 days)
# of days enrolled = 53
% of aid earned = 53/110 or 48.20%

Student's Financial Aid:
- Federal Pell Grant = $2220
- Subsidized Direct Loan = $2227 net
- Unsubsidized Direct Loan = $1251 net
- Total Title IV Aid Disbursed = $5698
- Total of all Title IV grants = $2220
- Total Amount of Title IV Aid Earned = $2746
- Amount of Aid to be Returned by the School = $667 Unsubsidized Direct Loan

The portion of financial aid to be returned is determined by the percentage of financial aid not earned by the student. The percentage of earned aid is calculated according to the total Number of Calendar Days in the Term Completed by the Student divided by Total Number of Calendar Days in the Term. The percentage of unearned aid is calculated by subtracting the percentage of earned aid from 100%.

During the first 60% of the enrollment period, a student "earns" Title IV funds in direct proportion to the length of time that he or she remains enrolled. A student who

remains enrolled beyond the 60% point earns 100% of the aid for the period.

A student who withdraws from the college before the 60% date may be required to return all or a portion of financial aid funds. The amount to be returned will be based on the formula stated above by calculating the financial aid funds that were used to pay the student's tuition and fees as well as the portion directly disbursed to the student.

Daytona State does not have the authority to waive or write off the repayment requirement regardless of the reason for the withdrawal, including extenuating circumstances such as illness, accident, or grievous personal loss.

A student who fails to return the unearned Federal Financial Aid funds will be referred to the U.S. Department of Education for collection and the College may withhold permission to register, to use facilities, or render services. Until the repayment issue is resolved, the student's Free Application for Federal Student Aid (FAFSA) record will be "flagged" every time a student files for aid. A student who owes a repayment is ineligible for financial aid at any other institution in the nation until it can be verified the student is in satisfactory repayment.

The college refund policy is different from that required for Title IV aid recipients. The college tuition and fee bill is due in full after the end of the add/drop period. Therefore, in the example above, if the student tuition bill was greater than $1200, the difference would need to be repaid in addition to the funds owed the Department of Education.

According to the Federal Financial Aid Handbook (Vol 5), when verification is completed before the R2T4 deadlines a school must offer any post-withdrawal disbursement of loan funds within 30 days of the date of the school's determination that the student withdrew, and return any unearned funds and make a post-withdrawal disbursement of grant funds within 45 days of that date.

If a student provides all documents required for verification after withdrawing but before the verification submission deadline, and in time for the institution to meet the 30-day R2T4 deadline, the institution performs the R2T4 calculation including all Title IV aid for which the student has established eligibility as a result of verification and for which the conditions of a late disbursement had been met prior to the student's loss of eligibility due to withdrawal. (See Volume 4 and 34 CFR 668.164(j)(2).)

When verification is not completed before the R2T4 deadlines and a student who has withdrawn does not provide the required documents in time for the school to complete the verification process and meet the R2T4 deadlines noted previously, the institution includes in the R2T4 calculation only the Title IV aid that was not subject to the verification process. For a student who failed to provide all required verification documents, the only aid that may be included in an R2T4 calculation are Direct PLUS Loan funds and Direct Unsubsidized Loan funds (verification is not required for receipt of these funds) for which the conditions of a late disbursement (as discussed under Title IV Aid that could have been disbursed, in Chapter 2) were met prior to the student's loss of eligibility due to withdrawal.

Applicable Deadlines:

Two main deadlines impact most R2T4 calculations—the 45-day time frame for the Return of Tile IV Funds (also see the discussion under Time frame for the return of Title IV funds in Chapter 2), and the 30 day required notification of the need for authorization to make a post withdrawal disbursement of FSA loan funds.

The student will be notified if a refund is necessary as soon as the college becomes aware of the withdrawal, official or unofficial, from all classes. The student will then be given 30 days to pay the required refund.

Please feel free to 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.

College refund policy vs Federal Title IV refund requirements:

The college requires all students who are registered at the end of the add/drop period as described in the Academic Calendar to pay 100% of the tuition due. There are no college refund of tuition after that date.

For Title IV Financial Aid recipients who officially or unofficially withdrawn (stop attending class) the college is required to determine the amount of aid the student "earned" for their period of enrollment according to the federal regulations.

Students who have withdrawn from all classes and received a disbursement prior from excess financial aid funds, will most likely be required to return some, or all, of those funds.

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 $598-$5,815 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 time frame that a student would be eligible to receive a Federal Pell Grant is 12 semesters of full-time enrollment (600 percent). Students taking pre-requisite courses are not eligible for Pell Grants.

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. [Due to extenuating circumstances, an exception may be made to award the Daytona State Need Grant to a student who has completed a baccalaureate or professional degree.] Eligibility is based on financial need. The maximum grant per semester is usually $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 usually $1,000. [Due to extenuating circumstances, an exception may be made to award the Daytona State Need Grant to a student who has completed a baccalaureate or professional degree.] 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. Due to sequestration, the award amount may be reduced. 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.

Iraq and Afghanistan Service Grant – Funded by the Federal Government, this grant is for undergraduate students who have not previously completed a baccalaureate or professional degree, and are not eligible for a Federal Pell Grant based on the Expected Family Contribution. To be eligible for the grant, the parent or guardian of the student was a member of the U.S. armed forces and died as a result of military service performed in Iraq or Afghanistan after the events of 9/11, and the student was under 24 years old or enrolled in college at least part-time at the time of the parent's or guardian's death. The grant is equal to the amount of a maximum Pell Grant for the award year, but cannot exceed the cost of attendance for that award year. Due to sequestration, the award amount may be reduced.

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, and up to a $500 cash monthly stipend. 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 are strongly encouraged to complete the FAFSA. The Athletic Department determines which students are eligible for the scholarship. The amount of the scholarship varies each year.

Cultural Arts Scholarships - These scholarships will pay a portion of a student's tuition for classes in the areas of

music, drama, or dance. Scholarships 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 are strongly encouraged to 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 are strongly encouraged to 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 may offer 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 and eligibility criteria are available from high school guidance counselors. The amount of the Bright Futures Scholarship is determined each year by the Florida Legislature. 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 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 and are posted on the Daytona State Financial Aid website, (daytonastate.edu/finaid/), as is the on-line scholarship application process. Please contact the Financial Aid Office at (386) 506-3370 for additional information on Foundation scholarships.

Other State of Florida Programs - Additional scholarship programs such as Rosewood Scholarship and Scholarships for Spouses/Children of Deceased/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 for the academic year (fall and spring semesters) will receive the loan proceeds of one-half of the total loan amount in two disbursements (one disbursement in the fall and one disbursement in the spring). A student attending one semester (fall or spring) will receive the loan proceeds of one-half of the total loan amount in two disbursements in that one semester. 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 and eligibility is based on financial need. The loan's interest rate is 4.45% percent for loans first disbursed on or after July 1, 2017 and before July 1, 2018. 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 earned college 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 1.066% origination fee which will be deducted from the gross amount of the loans disbursed on or after October 1, 2017 and before October 1, 2018. 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:

Beginning with the 2015-2016 academic year, the Moving Ahead for Progress in the 21st Century Act established 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 4.45% for loans first disbursed on or after July 1, 2017 and before July 1, 2018. There is a 1.066% origination fee which will be deducted from the gross amount of the loans disbursed on or after October 1, 2017 and before October 1, 2018. Dependent students may be eligible to borrow an additional $2,000 unsubsidized Direct 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 7.00% for loans first disbursed on or after July 1, 2017 and before July 1, 2018. There is a 4.264% origination fee which will be deducted from the gross amount of the loans disbursed

on or after October 1, 2017 and before October 1, 2017. 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 a financial aid award, the student must accept the Direct Subsidized or Direct Unsubsidized Loan on the MyDaytonaState portal.

Before borrowing under one or more of the Direct Loan Programs, always investigate the possibility of scholarship assistance.

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 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). **These costs are tentative until District Board of Trustees approval.**

College Credit

Please note—Tuition for in-state Bachelor students: $2,888*; out-of state Bachelor: $14,960*

Direct Educational Costs (Estimated)

	In-State	Out-of-State
Tuition (24 college credits) *	$2,456*	$9,568*

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	$8,108 (dependent)	$15,220 (dependent)
	$12,756 (independent)	$19,868 (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 2017-2018 rates.

Vocational Credit

Direct Educational Costs (Estimated)

	In-State	Out-of-State
Tuition (24 college credits)*	* $1,974	* $7,896

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	$7,626 (dependent)	$13,548 (dependent)
	$12,274 (independent)	$18,196 (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 2017-2018 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 are required each semester through the Daytona State Veterans Services Office.

Non-VA Financial Aid

The veteran/dependent student is also eligible to apply for any other financial aid available to the general campus population. This financial aid includes loans, grants, scholarships and student employment. The Free Application for Federal Financial Aid (FAFSA) is used to determine financial need for all forms of federal aid, as well as most scholarships. You can apply for federal aid at fafsa.gov.

VA Contacts

If you are or wish to inquire about receiving veterans benefits, please visit the Veterans Center website at daytonastate.edu/admsvet for further information about eligibility of benefits. The Veterans Certifying Officer is located in the Veterans Center (Daytona Beach Campus, Building 130, Room 124). Veterans Certifying Officer Lisa Randel can be reached at 386-506-3545 and Veteran Center Coordinator Robert Forman 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 email http://benefits.va.gov/gibill/.

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, 1995;
- 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, 2017, 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, 2017, 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.

Records

Academic Standards of Progress

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.

Daytona State College offers Undergraduate College Credit Career and Vocational Certificate Career. A student can only be registered one career per term. This process will review the Cumulative GPA in the career a student is currently registered.

Academic Alert

The first time a student's cumulative GPA falls below 2.0 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 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:

1. Repeating all courses where the final grade of "D" or "F" has been earned and/or;
2. 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 cumulative 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 Academic Advisor to review and once again develop a prescriptive program before the student is allowed to register.

The record will be reviewed at the end of the reinstated semester to verify successful cumulative GPA measure, and the continued enrollment at Daytona State College. If at the end of the reinstated semester, he/she is not meeting the requirements, he/she will be required to sit out for an entire year (Spring through Fall, Fall through Summer, Summer through Spring)

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, 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.   * See Student Caution below.

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 remain on the transcript and the code "AMN" is added to indicate the amnesty was applied. The following statement will be added to the student's course on the transcript when the petition is approved: "Academic Amnesty." The transcript legend will indicate the "AM" grade; the original grade of "F" would be excluded from GPA calculation upon Second Chance Amnesty Appeal approval.

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 marked "AMN" 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. 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.

Alternative Credit Process

Alternative Credit Process

Daytona State College offers opportunities to earn college credit for work experience; professional licenses; approved career and technical/vocational education coursework; approved industry certifications/ credentials; and approved nationally recognized exams. Eligible students may also take advantage of statewide articulation agreements guaranteeing credit into particular A.S. programs offered at the College. The following descriptions can help you choose which alternative best suits your needs. Students can earn a maximum of 75 percent of credits needed for their degree or certificate using one or a combination of these alternative options.

IMPORTANT: If you plan to transfer after leaving Daytona State, check if the transfer institution accepts credits earned through these other, various ways to earn credit.

Conversion of Credit

College credit may be awarded for approved career and technical/vocational education coursework; professional licenses; approved industry certifications; and approved nationally recognized exams. All conversions of credit must have official documentation that verifies completion of training and/or possession of licensure.

1. LPN License to Nursing (RN) A.S. – NUR2990, 10 credits
2. PSAV/Apprenticeship program to Industrial Management, A.S. – BCT2990, 23 credits
3. Certified FDLE Officer to Criminal Justice Technology Bridge A.S. – CJD2990, 24 credits
4. FDOE Career and Technical Education, Statewide Articulation Agreements
5. High School Career Course Articulation – Volusia/Flagler Schools *(under development)*
6. Other industry certifications/exams/licenses, as approved by the academic department
7. Military Service Credit
8. Continuing Education Credits (CEUs)

Contact the Records and Registration Office for more information on the Conversion of Credit process.

The Assessment of Prior Learning Experience (APLE)

College credit may be awarded for knowledge gained outside the normal classroom setting, including current work experience, workshops and seminars, or other documented past experience. 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, F.S. 1007.27; FAC 6A-10.024. Be aware credit awarded for prior experiential

learning shall not exceed 25% of the units required for completion of the degree or certificate program.

1. Portfolio, which may include documentation of:
1. Relevant past and current work experience
2. Workshop attendance/facilitation/presentation
3. Seminar attendance/facilitation/presentation
4. Creative works/skills (i.e. photographs, drawings, performances, etc.)
5. Other professional experiences approved by the academic department, as appropriate

Contact the Office of Assessment Services for more information on APLE.

Nationally Recognized Exams:

1. **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.

2. **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. **Earned credits are not computed into your GPA**. Applications, registration materials and test fee information about CLEP are available in Assessment Services Offices on each Daytona State College campus.

3. **Dantes Subject Standardized Tests (DSST)** - The DSST is a standardized test program, which offers subject test designed to test a student's knowledge in a variety of college level subjects. (Score requirements vary depending on the institution.) Official DSST scores should be sent from DSST to the Admissions Office. If required scores are earned, you will receive credit, but not letter grades for the courses earned through DSST. **Earned credits are not computed into your GPA.** Applications, registration materials and test fee information about DSST are available in Assessment Services Offices on each Daytona State College campus.

4. **Cambridge AICE Exam (CAMBRIDGE)** - The Cambridge Advanced International Certificate of Education (AICE) exam program offers exams in academic subject matters. Passing certain exams will result in credit for college courses. Official scores should be sent from Cambridge International Examinations to the Admissions Office. If required scores are earned, you will receive credit, but not letter grades for the courses earned through Cambridge AICE. **Earned credits are not computed into your GPA.** Contact Daytona State's Records Office for Cambridge AICE requirements and information.

5. **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.**

Contact the Office of Assessment Services for more information on nationally recognized exams.

Changing Your Plan of Study

Students admitted to Daytona State College for an Associate, Baccalaureate or Certificate plan of study may change their plan of study in accordance with the following rules:

1. Students who wish to change their plan of study must meet with an Academic Advisor and submit a Change of Major Request.
2. A student must request a change of major prior to the published date on the academic calendar for that term.
3. The change of plan will take effect at the start of the next full term at Daytona State College.
4. The change of plan must be completed prior to registering for classes for the upcoming term.
5. A student may only have one active plan of study during any given term.
6. A student must be declared in a program of study as of the first day of the term if the student wishes to graduate in that plan by the end of the said term.
7. Changes to a plan of study for financial aid or VA benefit purposes will not be permitted on or after the first day of the current term.Before making any changes to a plan of study, students are encouraged to speak to the Financial Aid Office to determine whether the new plan is eligible for financial aid. Once that has been reviewed, students must meet with an academic advisor to request a change of major.

Emergency Communications Policy

In the case of an emergency, Daytona State College uses DSC Alert to communicate with currently enrolled students and staff through voice, text and email.

When students are enrolled in a class, they are automatically opted in to the DSC Alert system.

Students can visit https://www.daytonastate.edu/help/personaldata.html to update their phone number or http://www.daytonastate.edu/help/files/Howtochangeyourpreferencesinyour DSCAlert.pdf to change their preference in DSC Alert.

For more information, please contact DSCAlert@DaytonaState.edu or (386) 506-3000.

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.

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.

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. 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.
- For vocational certificates, the unit of credit is the vocational credit/clock hours. Generally, 30 vocational credits/clock hours represent 1 semester credit hour. To calculate semester hours when the course is listed in vocational hours, divide by 30.

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 - The incomplete grade is 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 by the end of the semester. The student agrees with the instructor to complete the requirements of the course no later than 45 days after the end of the term during which the class was taken. Deadlines for each term are published on the Academic Calendar. "I" grades automatically convert to "F" grades if the requirements are not met and the appropriate grade change is not submitted by the instructor of record by the deadline published in the academic college calendar.

Faculty will submit a Change of Grade Form to the Records Office for processing. Incomplete grade changes are not required to have Department Chair approval. Faculty can review the grade roster to see the change made to the student's record

"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.

"WI" – Administrative Withdrawal – Grade issued when the student is administratively withdrawn for non-attendance (first issued Spring 2017).

"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.

"P/F" - Pass/Fail Grade - Grade of Pass or Fail issued for required program courses that have met learning expectations.

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 (p. 64) 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 meet the requirements of the College-Level Communication and Computational Skills Administrative Rule (Rule 6A-10.030, formerly known as the Gordon Rule) and a state-mandated foreign language requirement. Graduates must also have completed the Civic Literacy Competency Administrative Rule by successfully passing either POS2041, American Federal

Government, or AMH2020, United States History 1865 to Present, or by achieving a standard score on AP Government and Politics: United States, AP United States History, or CLEP: American Government (Rule 6A-10.02413). 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 for the Associate of Arts degree. It is strongly recommended that the course be taken in the first semester of coursework. Students enrolled in an active bachelor's program are not required to complete SLS1122.

Completion of a course designated as a Cultural/Global Focus Area course is required for students seeking an Associate of Arts within the General Education curriculum or as an elective before graduation. These courses are outlined under the Requirements for Associate of Arts Degree. In addition to the courses in the General Education Curriculum, EDF2085, Introduction to Diversity for Educators, also satisfies this graduation requirement.

Students must earn a "C" or better in all General Education courses to graduate with an AA degree.

Students who have graduated with an Associate of Arts or higher degree from a Florida state college or university will have satisfied General Education requirements. Students who have graduated from any other U.S. regionally accredited institution with a bachelor's degree or higher will have satisfied General Education requirements.

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). Students must also satisfy the Test of Adult Basic Education (TABE) requirements for their vocational certificate program or meet the criteria for an exemption. All placement test score results, and test scores used for exemption to the placement test, are valid for 2 years.

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 Bachelor's

Students who are enrolled in DSC's Associate of Arts degree or a baccalaureate degree program are required to meet foreign language requirements. One of the following options can meet this requirement:

- Completion of two credits (two years) of sequential high school foreign language instruction in one language other than English with a passing grade each year as documented on an official high school transcript.
- Completion of two college semesters of the same foreign language, with a passing grade in each course to demonstrate proficiency in a foreign language at the elementary two level or above.

- Passing Advanced Placement (AP), Cambridge Advanced International Certificate of Education Program (AICE), College Level Examination Program (CLEP), International Baccalaureate (IB), or other DSC recognized testing equivalent to the sequence of two college credit courses in one foreign language.

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. This requirement satisfies foreign language proficiency at Daytona State College. It may not satisfy a specific university graduation requirement. Students should contact the institution they are interested in attending to find out their requirements.

Florida Statute 1007.25

Catalog Year

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

Graduation Application

The graduation application is completed online when students are in their last term. Students log in to their MyDaytonaState portal to apply and pay the applicable graduation fee. The application will then be sent to the department chair for approval. Students who complete all graduation requirements and pay the graduation fee are entitled to receive a diploma and participate in the May commencement ceremony. Daytona State reserves the right to certify students as graduates/completers once they complete all requirements for the degree or certificate, regardless if they completed an application for graduation. Students who do apply for graduation after completing requirements will not receive a diploma but may have the degree or certificate earned statement on their official transcript. Students will be notified of the degree or certificate earned and will have the opportunity to pay the graduation fee to receive their diploma. Completers are no longer eligible to receive student financial assistance.

Graduation deadline dates are located on the Academic Calendar or the Records and Registration web page. Certain priority 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.

Students must 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 previous fall and those 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 My.DaytonaState.edu 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 graduation check downs, as well as 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.

NOTE: The academic requirements or degree audits are designed to provide a general guide that will lead to graduation. As a guide, students will still need to meet college policies, procedures, and graduation requirements regardless of what the academic requirements or degree audits indicate. Prior to officially graduating, Records will review credentials and verify that all requirements have been satisfied.

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 MyDaytonaState 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 Course 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 -** For currently enrolled students 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 of the add/drop period 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 or Falcon 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:
  a. Fulfill all admission and placement testing requirements of the College
  b. Register on the designated State Employee registration dates as indicated in the academic calendar
  c. Enroll only in courses on a space-available basis
  d. 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
  e. State employees will be assessed other fees, i.e. laboratory fees, assessment fees, access fees, etc.
- **Reinstatement Procedure -** Students wishing to re-register into a section after the add/drop date for any given semester must meet the following criteria:
  a. 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. 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.
  b. Must have a signature from the department chair for 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.
  c. 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.
  d. Students who withdraw from class(es) may not be reinstated.
  e. All documentation must not have a date more than five business days prior to when the reinstatement is processed.

Attendance Policy

Regular attendance is a critical part of your success. Students are expected to attend class meetings as scheduled. When an absence is unavoidable, students should notify their instructors as soon as possible. Make-up work and deadlines will be at the discretion of the instructor. Faculty may adopt attendance policies in the classes they teach. In such cases, the faculty member will describe the policy and its impact, if any, on the student's grade.

Daytona State College takes attendance twice within each session of a term. The initial attendance roster is completed following the add/drop period of each session (A, B, and full term). Financial aid students who are marked as not attending during this time will be dropped from the course for non-payment because attendance in the course is required to apply that class to your financial aid eligibility.

A second roster will go out after the withdrawal deadline for each session. Students who are reported as not attending during the two weeks leading up to the withdrawal date will be administratively withdrawn from the class. A last date of attendance will be reported and

used to calculate the return of any Title IV aid (including Pell grant, Stafford Loans, etc.).

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 (p. 21) can be found in the college catalog. The catalog also has links for academic information (p. 21) and graduation requirements (p. 83), and for policies regarding academic standards of progress (p. 66).

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: Records Maintenance and Privacy Guidelines (p. **Error! Bookmark not defined.**)

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 (p. 12).

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 website 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 website for Volusia County is: http://volusia.org/elections.

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

Economic Security Report of Employment and Earning Outcomes

This link will provide you information on employment and earning outcomes based on degrees and certificate programs. http://www.beyondeducation.org/

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 appropriate 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 appropriate Academic 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:

    a. Documentation of the his/her disability, which is the basis for the request

    b. Proof that his/her failure to meet a course requirement is caused by his/her disability

    c. A copy of his/her complete college transcript and current class schedule

    d. A list of the accommodations that he/she could use in lieu of a course substitution

    e. 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

    f. His/her completed, signed and dated Course Substitution Form

    g. A typed essay that conforms to the conventions of Standard English in which the student explains the following:

        i. 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;

        ii. 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.

        iii. 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.

        iiii. 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 Question & Answer Center on any DSC campus.

1. The appropriate academic Associate Vice President 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 appropriate 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 appropriate Associate Vice President of Enrollment shall administer the appeals involving denials of admission 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

3. The decisions of the Associate Vice Presidents are final.

Disability Waiver for the Test of Adult Basic Education (TABE)

Daytona State College provides waivers to a students 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 Request 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 appropriate Vice President of Academic Affairs and the Associate Vice President of Enrollment. The student must file his/her written appeal within thirty (30) days of receiving his/her written notification of disapproval.

The Provost of Academic Affairs shall render their decision in writing to the student within thirty (30) days after receiving the appeal.

7. Daytona State College's 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 by logging in to the portal and clicking on MyAcademics. 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

- Go to the MyDaytonaState portal and login.
- After logging in, select "My Academics" from the menu bar.
- Then, select "Records" to either Request Official Transcripts or view Unofficial Transcripts.
- If you forgot your Username (prefix of student email, example: john_smith), click https://pwdmgr-ext.daytonastate.edu/PMUser
- If you forgot your Password, click https://pwdmgr-ext.daytonastate.edu/PMUser to reset it back to the Default Password that's indicated at the bottom of the login screen (the letters "Dsc" + your birthdate in MMDDYY format + the last five digits of social security number = example: Dsc01018056789).**Former/Alumni students may use the Alternative Method to log in to Credentials Online Services and order an official transcript if:**
- You attended Daytona State College any time from 1982 to the present\
- The billing name on the credit card you use to pay for this order matches both the student name on this order and the student name in their records.
- A specific number of fields in this order such as Student ID, Social Security number, and date of birth match the information in their records.
- Alternative Method To Order Transcript , Click Here

The Records Department checks records at Daytona State College after orders are placed, so we cannot tell you definitively at the time of ordering that your order will qualify for Automatic Authorization. If Credentials successfully authorizes your order, they will notify you of that fact. If we are unable to automatically authorize your order, Credentials will send you an Authorization Form that must be signed and returned (via fax or mail) before your order can be completed.

Please allow at least **7 business days** after payment receipt of your order for your transcript to arrive via first class mail. Pick up orders will be available 2 to 3 business days **after payment is received** and your order is processed. Please check the Q&A on the designated campus for pickup.

Students who have any form of a hold, including tuition and fees, Title IV refund bill, or a past student loan default, are prohibited from receiving a transcript until the obligation is cleared.

To check the status of your transcript order please call Credentials at 800-646-1858 or Credentials Online Services.

For more information please contact: records@DaytonaState.edu and include your student ID or last four digits of SS with correspondence.

If you need further assistance to sign into MYDAYTONASTATE, please contact the Records Office at records@DaytonaState.edu and include your name and ID and last 4 digits of SS.

Communication of protected student record information will not be sent to personal email accounts at any time, regardless of an individual's registration status.

Ordering Official Daytona State High School Transcript:

Daytona State High School and adult education official transcripts cannot be requested online. Please submit the *DSC High School transcript Request* form below to the Records Office by mail or fax (386-506-4489) or in person at the Q & A Center at your local campus. There is no charge. This is a 3 day business process.

Official Daytona State High School Transcript Request Form Click Here

GED® Transcript

If DSC was your test site for your GED®, all GED® transcripts and copies of GED® diplomas are housed at the GED® Testing Office, Florida Department of

Education: https://ged.fldoe.org/ Effective February 1, 2014, all requests for Florida GED® transcripts must be made from GED® Credentialing™, at:

Credential Requesting Service

Students who do not have access to the internet can call (888) 906-4031 Monday through Friday from 8AM - 5PM MST to receive phone support to order duplicate transcripts and GED® diplomas.

*GED® Transcript requests cost $15.00.

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 of D and higher 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. Completed transfer evaluations can be viewed on your MYDAYTONASTATE portal, located under Student Homepage > Student Records > View Transfer Credit Report.

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 (p. 79).
- Master's, Graduate and Doctoral courses will not be posted.
- Vocational credits will not be posted unless requested.

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, once the student provides supporting documentation to the Records office. The documentation is required to validate that the course content and instructor credentials are equivalent to those at Daytona State College. Before providing this information to the Records office, instructor credentials and course syllabi must be linked and identified in the documents in order for the courses to be presented for evaluation. Students must submit official transcripts to the Admissions Office with the documentation described above, in order 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.

Online Educational Platforms

Daytona State College does not award transfer credit from non-regionally accredited online educational platforms.

Non-Traditional Credit Evaluation/Conversion of Credit

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 your MYDAYTONASTATE portal, located under Student Homepage > Student Records > View Transfer Credit Report, or the DSC transcript. The denial of credit is recorded on the student's advising notes.

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.

Registration

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. College preparatory courses may not be audited. Students must meet all requisites and placement standings when auditing a course. Students who desire to audit a course must complete an Audit form, have it signed by the instructor, and return it to the Falcon Center or Question and Answer Center no later than the last day of the add/drop period. An audit status may not revert back to a grade status after the last day of the add/drop 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. Dual Enrollment students are not eligible to audit a course. 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. No grade is earned to calculate 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.

1. Courses not offered by the receiving institution.
2. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
3. 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.
4. Applied academic for adult education courses.
5. Graduate courses.
6. Internships, apprenticeships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.
7. 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 Alicia Alexander 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

Falcon-Aid Student Help Desk

Kiosk Now Open!

Please visit us at the Daytona campus, Building. 300, Room 109
Falcon-AID Student Help Desk Kiosk
Personalized assistance via walk-in, email and over the phone

Our Mission

The Daytona State College Student Help Desk, Falcon-AID, is dedicated to being the first point of contact for students seeking technical assistance. Falcon-AID now works with the IT Help Desk and Falcon Online at the main Daytona State College campus to address all technical concerns with regard to the student/faculty/staff college environment.

We offer assistance with your smart devices in areas such as:

- MyDaytonaState Student Portal (New Student Portal)
- MyDaytonaState Student Portal password help
- Navigating/accessing important service areas such as: Financial Aid, Admissions, Registration, etc.
- Searching for available courses
- Falcon Online support
- Access to college DSC Wireless WIFI
- Access to Office365 through your student account
- Directions to appropriate academic departments
- Assistance with smart devices (i.e., laptops, tablets, smart phones) in topics related to college resources/services (only)
- And more...

WALK-IN HOURS (Daytona Beach Campus only)

FALL/SPRING

Monday – Friday 7:30 a.m. – 5 p.m. (Building 300, Room 109)
Saturday 8 a.m. - 4 p.m. (Building 210/R103A)

SUMMER "A" – "B"

Building 300, Room 109
Monday – Thursday 7:30 a.m. - 5 p.m.
Friday 8 a.m. – 12 p.m.
Saturday CLOSED

OVER THE PHONE SUPPORT (386) 506-3950 or extension 3950 for on-campus calls:

FALL/SPRING
Monday – Friday 8 a.m. – 8 p.m.
Saturday 8 a.m. – 4 p.m.

SUMMER "A" – "B"
Monday – Thursday 7 a.m. –8 p.m.
Friday 8 a.m. – 12 p.m.
Saturday CLOSED

Email us at: helpdesk@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, but may require an enrollment override by the Enrollment Services staff.

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 or Falcon Center on any Daytona State campus, online at the Registration website, or from the Enrollment Services staff on any campus. Applications deadline to submit a Full Cost 3rd Attempt of Fourth Attempt appeal is before the add/drop date of the semester you want to enroll in the class. The full-cost assessment is the equivalent of the nonresident fee for courses. Additional fee information is available in the Student Accounts section of this catalog under Tuition and Fee Information.

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.

Grade Forgiveness Policy

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. Grade forgiveness GPA is not used when calculating your progress for financial aid purposes.

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 before the last day of the add/drop period or who enroll in a course as an audit student are not impacted by this policy.

MyDaytonaState Online Enrollment

MyDaytonaState is a convenient, secure way to access the information and transactions you need online around the clock by using Falcon Self-Service. 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.

Step-by-step guides for navigating your student portal can be found at www.daytonastate.edu/help

Class Schedule/Registration

View your schedule and enroll/drop update classes using the Manage Classes tile of Falcon Self-Service. Be sure to review your tuition due date, and pay your bill, through the Student Accounts tile.

College Communications

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

Course Availability

Search the available course offerings to look for open classes that meet your personal scheduling needs by reviewing the Manage Classes tile > Enroll by My Requirements.

FalconMail (Student Email)

FalconMail is email available to all current students, faculty and staff at Daytona State College.

Financial Aid Award Status

Any missing documents are visible under the Holds/To-Do's tile of Falcon Self-Service. View your detailed financial aid status by clicking the Financial Aid tile, then selecting the appropriate aid year.

MyDaytonaState Username and Password

Before you can access MyDaytonaState you will need your username and password.

Your username is:
yourfirstname_yourlastname@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 utilize the password manager to change your password upon first successful login.

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

Personal Information

Update your personal information by clicking on the Profile tile 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, MyDaytonaState and some basic computing tutorials. This is not a live, technical support site. Live technical is support available during college work hours.

Transcript Requests

View and print your unofficial transcript via the Student Records tile > View Unofficial Transcript. Official transcripts must be ordered online via the Request Official Transcript tile using Falcon Self-Service from your MyDaytonaState account.

View Student Grades

Look up your from Student Records tile > View Grades of Falcon Self-Service. Grades are not mailed each semester.

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 the Question & Answer/Falcon Center on any campus.

Daytona Beach Campus – Wetherell Center, Bldg. 100/Room 119

DeLand Campus - Student Services Center, Bldg. 7

Deltona Center – Fathi Hall, Bldg. 1

Flagler/Palm Coast Campus – Student Services Center, Bldg. 2

New Smyrna Beach-Edgewater Campus – Student Services Center, 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:

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 online or at any Daytona State campus.

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. The agreement must be signed by the host institution 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 floridashines.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.

Question and Answer Center

The **Question and Answer Center**, located in the Wetherell Center (Bldg.100), 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:

- Administrative and Academic Appeals Applications (see Financial Aid for additional appeals
- Registration Issues
- Reinstatement Requests
- Request Enrollment Verification
- Request Official Transcripts
- Reset Student Password
- Student Advocate

- View/Print Unofficial Transcripts

The **Falcon Center** is located in the Wetherell Center (Bldg.100), room 105, on the Daytona Beach Campus. Similar services are available at all regional campus Enrollment/Falcon Center offices. Students can complete online registration or other college transactions and receive help navigating online student services. Students also can complete the following transactions online or in the Falcon Center:

- Add/Drop Classes
- Change of Address
- Orientation
- Pay Tuition Online
- Print Class Schedule
- Register
- Registration Issues
- Reset Student Password
- Request Official Transcripts
- Request Enrollment Verification
- View/Print Unofficial Transcripts
- Withdraw from Classes

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 prior to the class start date. 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.
- **Academic Calendar Year Definition-** An academic calendar year starts with the fall term and continues until the end of the next summer term.

Student Accounts

BankMobile Disbursements

Daytona State College (DSC) has partnered with BankMobile to deliver student refunds. We are committed to delivering 100% of your refund at no cost, providing students with clear choices and offering great customer service.

How It Works

Getting Started

Each registered student will be sent a Refund Selection Kit in the mail at your current 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 (note: Adult Education and Dual Enrolled students are not mailed the selection kit). All refunds are disbursed by BankMobile. DSC does not issue refund checks. Regardless of whether you anticipate that you will receive a refund, it is important for you to choose a refund preference. **Do not discard your personal refund code contained in the Refund Selection Kit.**

Look for the bright green envelope

Selecting Your Refund Preference

In order to receive a refund, you must select a refund preference. Your refund options are:

1. Electronic deposit to an existing bank account. The initial request for ACH transfer to your bank account will be processed the same business day BankMobile receives funds from DSC. Even though Bank Mobile initiates the transfer the same day as they receive the funds from DSC, it may take the receiving bank 1 – 2 business days to credit the money to your account.
2. Electronic deposit to a BankMobile Vibe account. Money is deposited to your Vibe Account the same business day BankMobile receives the funds from DSC.

To access the secure site to make your refund preference, go to RefundSelection.com and use the personal code mailed to you in the Refund Selection Kit. If you inadvertently discarded the code, you can contact the Office of Student Accounts at 386-506-3024 to request a new code.

RefundSelection.com

Contacting BankMobile Disbursements

Contact BankMobile Disbursements

Accessing ATMs

You can use your BankMobile Debit Mastercard to withdraw cash without a foreign ATM fee at any of the Allpoint Network ATMs. Go to Allpointnetwork.com for locations.

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:
- Log in to My.DaytonaState.edu
- Locate the My Finances tab at the top of the page
- Click on the "enroll in payment plan" link

Once the school receives confirmation of your enrollment, a 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 Payment Plan, Book Deferments and Other Receivables

Falcon Payment Plan

Falcon Payment Plans will be available when the e-Cashier Payment Plan has closed. Students must make a down payment of 50 percent of the cost of tuition plus a non-refundable service charge of $45.00. The Falcon Payment Plan will be applied to cover the other 50% of the tuition costs.

Payment plans for full-semester courses are due 60 days from the start of classes. Payment plans for 7-week classes or late-start classes vary but will always be due before the end of the semester. If the payment plan 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 Falcon Payment Plan is applied 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 payment plan will be referred to an outside collection agency and to appropriate credit bureaus in the event of default. Resulting collection costs will be added to the original loan and the student must pay these costs and attorney's fees if applicable.

Falcon Payment Plans 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 and cannot be used on previous purchases. 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 negative service indicator being placed on the student's records, diplomas and transcripts. This service indicator 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 negative service indicator will be placed on the borrower's records, diplomas and transcripts. This service indicator 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.

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 negative service indicator will be placed on the borrower's records, diplomas and transcripts. This service indicator 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 had a financial aid deferment 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 will 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 will 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. Refunds are generally available to students between 3 and 6 p.m. on Friday.

All loan funds will be refunded through Bank Mobile using the refund preference selected. 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 Refund Selection Kit was processed or when the Refund Preference was last updated. You will receive an email or text message from our partner Bank Mobile when your refund has been processed.

Parent PLUS Loans

Parent 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. The parent will indicate when applying for the Parent PLUS Loan 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 through Bank Mobile using the refund preference selected.

Book Vouchers

Book vouchers are available on each campus for registered students whose anticipated financial aid exceeds 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	$400
6 – 8 credits	$500
9 – 11 credits	$650
12 or more credits	$800

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.

The book voucher information will be transmitted electronically to the bookstore at multiple times throughout the day. Once the Bookstore has received the file and uploaded it to their system, students may go to the Bookstore or go online to make their purchases. The last day to make purchases using a voucher is the next business day after the last day vouchers are issued.

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 be sent to the bookstore. Please allow 24 hours for the update to occur. See the Important Dates section on the Student Accounts homepage for the dates vouchers are available each semester.

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 select a refund preference at www.refundselection.com. One option is to open a free checking account through Bank Mobile and to have the refund directly deposited into this account. The other option is to have the refund transferred to a checking or savings account with an existing bank.

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 selected a refund preference will be returned to one of the U.S. Department of Education Title IV programs or to the State of Florida Unclaimed Property Division in accordance with applicable federal regulations or state statutes.

Florida Prepaid College Program

The Office of Student Accounts will bill the Florida Prepaid College Program on the student's behalf. In order to have the Florida Prepaid College Program applied to tuition and fees, the student must either bring in their

Florida Prepaid card to the Office of Student Accounts or fax a copy of the card to 386-506-4443. It is the student's responsibility to specify how many hours they would like applied to their student account. Florida Prepaid will cover the following amounts for 2019-2020:

Regular Account	$90.80 per credit hour
Local Fees Account	$102.38 per credit hour
Vocational Courses	$78.81 per credit hour
Baccalaureate Courses	$106.82 per credit hour
Baccalaureate w/ Local Fees	$120.32 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 tuition due date 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 use 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.

Refunds

Refund Overview

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. Students who withdraw from a course will not be entitled to a refund. In addition, any outstanding balances must be paid in full prior to processing the withdrawal.

Students who pay for courses by credit card will be refunded by crediting back that same credit card in approximately 7 to 10 business days following the official drop. Students who pay for their courses by cash or check will be refunded through the Daytona State BankMobile Disbursement (p. 99) process. Each new student will be mailed the Daytona State BankMobile Refund Selection Kit when the student registers for classes for the first time.

To receive a refund, you must use your Refund Selection Kit to choose a refund preference. During this process, you will choose between two options for receiving your refund. You may elect to have your refund directly deposited to your Daytona State Bank Mobile Vibe Account (funds will be deposited within 1 day or less) or you may elect to have your refund deposited to another bank account of your choice (funds will be deposited in 2 – 3 business days). For additional information regarding refunds go to BankMobile Disbursements (p. 99) 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
   - 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
   - Courses lasting one week or less - A 100 percent refund will be given if you drop a course before the first scheduled class meeting.
   - Courses lasting longer than one week - A 100 percent refund will be given if you drop a course within five working days from the date of the first scheduled class meeting.
3. Student Appeals
   - Appeals to drop with a refund after the published deadline must be based upon extraordinary circumstances beyond your control. Supporting documentation is required before the appeal may be considered. For additional information about student appeals, contact the Office of Appeals at (386) 506-3781. Appeal forms are available at all campuses.

Stop Payments and Stale Checks

If a student believes he/she was entitled to a refund which was never received, contact the Office of Student Accounts at 386-506-3024 for more information. It may be that a refund is still pending but is unable to be disbursed because a refund preference has not been selected. If the refund has not been returned to the college, the only thing

needed is for the student to go to BankMobile Disbursements (p. 99) to choose a refund preference.

If the refund was returned to the College because the disbursement period elapsed before the refund preference was selected, a student may request to have these funds reissued if they have not been forwarded to the state of Florida Unclaimed Property Division or to one of the U.S. Department of Education Title IV financial aid programs. First, a refund preference must be selected. In addition, a request to have the refund reissued must be completed and submitted to the Office of Student Accounts. A refund would then be processed in 7 – 10 business days according to the refund method chosen during the refund selection process.

Refunds that go unclaimed will be returned to the State of Florida Unclaimed Property Division as required by the State of Florida Unclaimed Property Act or, if applicable, will be returned to one of the U.S. Department of Education Title IV financial aid programs.

Students who had a refund check issued by Daytona State that was never cashed, may wish to have a stop payment placed on the original check and to have a new check issued. A Stop Payment Form must be completed and submitted to the Office of Student Accounts. The Accounting Department will verify that the check was never cashed and reissue a new one if necessary. If it is believed that someone other than the student cashed the check, then the student must contact the Accounting Department at 386-506-3595 to file a Fraud Affidavit. A check will not be reissued to the student unless the funds are recovered by the bank and re-deposited into Daytona State's bank account.

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. 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 Bank Mobile.

To receive your refund, you must select a refund method at bankmobilevibe.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 Bank Mobile Vibe account, or you may elect to have your refund deposited to another bank account of your choice. For additional information regarding refunds go to bankmobilevibe.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
   a. 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 Course
   a. Courses lasting one week or less - A 100-percent refund will be given if you drop a course before the first scheduled class meeting.
   b. 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
   a. 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
   a. 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

Refer to the MyFinances tab on the My.DaytonaState.edu portal to perform an Account Inquiry to check for any outstanding balances due and the corresponding due date. If fees are not paid in full 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.

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.
- 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 (p. 95) 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 session. Otherwise, payment will be expected, regardless of attendance. Please review the Academic Calendar for these important dates for each term and session.
- 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 2019-2020

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	$79.22	$311.18
Financial Aid Fee	$3.86	$15.46
Technology Fee	$3.86	$15.46
Student Activity Fee	$7.72	$7.72
Capital	$7.72	$48.83

Improvement Fee		
Total	**$102.38**	**$398.65**

Vocational Certificate Programs

	In-State Per Credit Hour	Out-of-State Per Credit Hour
Tuition	$68.53	$276.09
Financial Aid Fee	$6.85	$27.41
Technology Fee	$3.43	$13.71
Capital Improvement Fee	$3.43	$11.75
Total	**$82.24**	**$328.96**

Baccalaureate Degree Programs

	In-State Per Credit Hour	Out-of-State Per Credit Hour
Tuition	$91.79	$550.43
Financial Aid Fee	$4.50	$4.50
Technology Fee	$4.50	$4.50
Student Activity Fee	$9.00	$9.00
Capital Improvement Fee	$10.53	$54.86
Total	**$120.32**	**$623.29**

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: $34 / first semester only

Access Fee: $1.12 / credit hour

Late Registration Fee: $50 / semester

Laboratory Fees (Varies by course): $2 - $598

Distance Learning Course Fee: $15 / credit hour

Testing Fees: $10 - $80*

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
- Associate $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 negative service indicator on student records, diplomas, transcripts and future registration activity.

There may be additional testing fees charged by the test publisher, which the student pays directly to the publisher.

Student Development

Accessibility Services

The goal of Accessibility 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 self-identify, meet personally with an Accessibility counselor 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 accessibility counselor in advance to scheduling the exam

to arrange certain accommodations. Accessibility 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 Counseling & Accessibility Services
Daytona State College
1200 West International Speedway Blvd.
Wetherell Building Annex, Room 108
386-506-3973

Please visit our Counseling and Accessibility Services website for more information and contact info.

Read our Equity Statement.

Career Services

The Career Services Department is dedicated to providing employment assistance to current students and alumni. By offering support related to career path selection, resumes and interview preparation, the Career Services Department is devoted to helping job seekers achieve their career aspirations by emphasizing student success and embracing excellence and diversity.

The services offered are available at the regional campuses as well as the main campus in Daytona Beach.

Career Placement & Job Search Assistance

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.

Make yourself the most qualified applicant for the job.
- **Resume and Cover Letter Writing** - We can help you build a professional resume and cover letter and help you tailor it to the jobs for which you're applying.
- **Career Services Online Electronic Job Board** - an opportunity to connect with employers that are specifically looking for Daytona State College students.

- **Perfect Interview** - An interactive, multimedia tool that helps you practice and enhance your job interviewing skills.
- **Job Fairs** - Offered at a variety of campuses throughout the year.

- **Workshops**
- **Business Etiquette**
- **Dress for Success**
- **Employer Recruitment Visits**
- **University Recruitment Visits and Fall Transfer Fair**
- **Career Services Online**
  (CSO): https://www.myinterfase.com/daytonastate/Account/LogOn?ReturnUrl=%2fDaytonaState%2fstudent%2f
  - Job search Assistance with Reference USA
  - Job Database
  - Employer Services/Recruitment Events
  - Co-op/Internships
  - Job Fairs
  - Job Tips
  - Event Calendar

Contact Us

The Career Services staff looks forward to helping you leverage your education and training and helping you transition into the workforce in your chosen career field. Services are available to all currently enrolled students and all alumni of Daytona State College.

Phone: 386-506-3073
Website: www.daytonastate.edu/career_services
Email: careerservices@daytonastate.edu

Daytona Campus
Wetherell Student Services/Administration Bldg.
Bldg. 100, Room 205
For availability or to make an appointment call 386-506-3073

DeLand Campus
Student Services Hall
Bldg. 7, Room 136
Call for availability 386-785-2082

Deltona Campus
Fathi Hall
Falcon Center
Call for availability 386-506-3073

New Smyrna Beach-Edgewater Campus
Student Services Hall (Bldg. 1), Room 132
Call for availability 386-506-3073

Flagler/Palm Coast Campus

Smolen Center (Bldg. 2)
Call for availability 386-506-4824

Schedule

The Career Services office is open from 8 a.m. – 5 p.m. The Career Services office on the Daytona Beach Campus also is open until 6:30 two nights a week. Please contact us at 386-506-3073 to verify late evening days for the current semester.

The college will close at 5 p.m. prior to all federal holidays that are observed by the college such as the Wednesday before Thanksgiving and the day before Independence Day (if a weekday).

Counseling Services

Counseling Services

Counseling services are available on each campus by making an appointment or on a walk-in basis. A college counselor serves as a resource for students that have minor personal or life adjustment concerns and those student that are in crisis. Students who have 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, clinical 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 matter is not resolved at this step, the student's next step is to contact the appropriate School/Department Chair. The School/Department 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/Department 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 via their FalconMail. If the matter is resolved at this step, the matter is closed. If the matter is not resolved at this level, it 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 matter is not resolved with the Associate Vice President, the matter may be resolved by an administrative review process to the Provost 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 administrators will review the written request and make an appropriate decision. The student will be notified of the final decision via their FalconMail. 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, plagiarism, and the use of Google Translate or similar program. 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/department chairperson, who will review the matter and offer an appropriate resolution or academic consequence.
3. If the matter is not resolved by the school/department 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 suspected cases of academic dishonesty. The student may request an administrative review to the Provost 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 Senior Administrators may uphold the decision of the Associate Vice President or make an alternate decision. The student will be notified of the decision.

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

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, sexual offenders, 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.

Student Appeals

Student Services Advocate (Ombudsman)

The Student Services Advocate is a central point of contact, located in the Question and Answer Center in the Wetherell Center (Bldg.100), room 119 on the Daytona campus, who can offer informal and neutral assistance to resolve student concerns. For more information, please contact studentadvocate@daytonastate.edu.

The advocate can:
- Listen to your concerns or suggestions;
- Help Identify and evaluate options;
- Guide you through the academic appeal process;
- Assist with the formal complaint process;
- Connect you to the appropriate person/campus resource;
- Clarify Daytona State policies and procedures;
- 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 extenuating circumstances. Unless the circumstance interferes with the deadline date, appeals must be submitted to the College by the established deadline. Prior to submitting an appeal, please read carefully and completely the information on the Appeal Policies and Criteria link. The College will accept an appeal in rare documented situations involving the following:

1. Serious illness or personal injury with a letter from medical provider;
2. Unforeseen and unplanned medical emergency/natural disaster with a letter from medical provider/official written documentation;
3. Death of an immediate family member (parent/legal guardian, sibling, spouse/partner, or child) with an obituary/death certificate;
4. Documented non-voluntary military activation with written military orders;
5. Other extraordinary circumstance with official written documentation.

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.

To submit an appeal, students must:

1. Complete an appeal form in the Question & Answer Center, or complete 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 course(s).
3. Attach relevant supporting documentation, such as letters from medical providers or from other third parties.
4. For serious illness/injury, provide a letter(s) on official hospital letterhead signed by the attending physician explaining how your condition will prevent you from completing the course(s) you are attempting. The statement should also include the illness/injury and the services provided to the student, as well as related dates. The illness/injury must have occurred during the term for which the appeal is sought. 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 unforeseen emergency/natural disaster non-medical situations, you must provide a letter(s) (on official letterhead) signed by ordained clergy, attorneys, mental health professionals or other third-party professionals to document and explain how that circumstance prevented you from completing the course(s), as well as related dates. If you suffered an accident, an official report of occurrence, such as a police report, should be submitted.
6. Due to student privacy protections, please do not submit personal medical records or other private confidential information.
7. For death of an immediate family member, provide a copy of the obituary/death certificate naming the deceased and proof of the student's relationship.

Appeals may be submitted for the following reasons:
1. Academic Second Chance/Academic Amnesty;
2. Administrative Drop;
3. Catalog Year;
4. College Academic Suspension;
5. Equity Grievance;
6. Financial Aid Suspension for Excessive Hours;
7. Financial Aid Suspension for GPA and/or Completion Rate;
8. Formal Complaint;
9. Formal Grade Dispute;
10. 4th (Final) Attempt;
11. In-State Tuition for 3rd Attempt;
12. Grade Change "F/FN" to "W;
13. Late Withdrawal;
14. Residency;
15. Administrative Review;
16. Other Complaints/Appeals

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), or the Falcon Center on any campus. The fax number is 386-506-3037, or email to appeals@daytonastate.edu.

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. The appeal is submitted by the established deadline;
3. A personal statement is submitted with the appeal form;
4. All relevant supporting letters/documents are attached to the appeal form.

Appeal decisions will be made as quickly as possible. Review of an appeal by an Appeals Committee 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 and take longer to process.

All appeal decisions will be sent to the student's Daytona State FalconMail account only. Please activate and check your FalconMail account on a regular basis for official notification regarding the status of your appeal. For more information, visit the FalconMail information page.

Student Handbook (PDF)

View the 2018-2019 Daytona State College Student Handbook/Planner

Office of College Equity and Inclusion

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 Student Life. For more information call (386) 506-3131.

Student Resources

Daytona State encourages students to fully participate in the college experience, both inside and outside the classroom.

A wide variety of student services is available to help you academically and socially, or to simply help you to keep informed of college events, activities or issues.

Student Support

Catalog Archive

This online Daytona State College catalog is the most recent version and is considered to be the official catalog for the 2018-2019 academic year. The Records and Registration Office archives prior academic year catalogs to maintain and store historical data for the institution. Physical catalog archives may be inspected in the Records Office on the Daytona Beach Campus.

You can access catalogs from previous years by clicking on the links below. To download to your computer, please right click on each link and select "Save As." Viewing these files requires Adobe Acrobat Reader, which you can download for free here.

If you need information from a catalog not provided here, please email our Registration Department.

2017 -2018

PDF Catalog - Facts about the College; Bachelor's Degree Information; Engineering Technology Degrees; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2016 -2017

PDF Catalog - Facts about the College; Bachelor's Degree Information; Engineering Technology Degrees; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2015 -2016

PDF Catalog - Facts about the College; Bachelor's Degree Information; Engineering Technology Degrees; Admission, Academic Advising and Registration;

Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2014 - 2015

PDF Catalog - Facts about the College; Bachelor's Degree Information; Engineering Technology Degrees; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2013 - 2014

PDF Catalog - Facts about the College; Bachelor's Degree Information; Engineering Technology Degrees; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2012 - 2013

PDF Catalog - Facts about the College; Bachelor's Degree Information; Engineering Technology Degrees; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2011 - 2012

PDF Catalog - Facts about the College; Bachelor's Degree Information; Engineering Technology Degrees; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2010 - 2011

PDF Catalog - Facts about the College; Bachelor's Degree Information; New Engineering Technology Degrees; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2009 - 2010

PDF Catalog - Facts about the College; Bachelor's Degree Information; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2008 - 2009

Part 1 - Facts about the College; Bachelor's Degree Information; Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Description and Guides.

2007 - 2008

Part 1 - Facts About the College; Bachelor's Degree Information; Admission, Academic Advising and Registration; Financial Information

Part 2 - Student Services; Academic Information and Graduation Requirements

Part 3 - Program Descriptions and Guides

Part 4 - Course Information (A-I)

Part 5 - Course Information (J-Z); Faculty & Staff Listings (A-G)

Part 6 - Faculty & Staff Listings (H-Z); Index

2006 - 2007

Part 1 - Facts About the College; Bachelor's Degree Information; Admission, Academic Advising and Registration; Financial Information

Part 2 - Student Services; Academic Information and Graduation Requirements

Part 3 - Program Descriptions and Guides

Part 4 - Course Information; Faculty & Staff Listings; Index

2005 - 2006

Part 1 - Facts About the College; Admission, Academic Advising and Registration; Financial Information

Part 2 - Student Services; Academic Information and Graduation Requirements

Part 3 - Program Descriptions and Guides

Part 4 - Course Information; Faculty & Staff Listings; Index

2004 - 2005

Part 1 - Facts About the College; Admission, Academic Advising and Registration; Financial Information

Part 2 - Student Services; Academic Information and Graduation Requirements

Part 3 - Program Descriptions and Guides

Part 4 - Course Information; Faculty & Staff Listings; Index

2003 - 2004

Part 1 - Facts About the College; Admission, Academic Advising and Registration; Financial Information

Part 2 - Student Services; Academic Information and Graduation Requirements

Part 3 - Program Descriptions and Guides

Part 4 - Course Information; Faculty & Staff Listings; Index

Academic Support Center

College can be challenging, especially for first-time students. The Academic Support Center is here to help! Visit one of the six Academic Support Center locations where professional learning specialists and peer tutors can assist you. The ASC offers personal attention in an environment where students, faculty, and staff collaborate to ensure student success. The ASC offers the following educational support programs FREE to all currently registered DSC students:

Face-to-Face Tutoring – ASC Learning Specialists and peer tutors provide help with content challenges, assignment decoding, study skills, and digital literacy. No appointment is necessary. Use our convenient Tutor Search to find the help you need.

Virtual Tutoring – Students who are unable to make it to an ASC location can consult one-on-one with a Learning Specialist or peer tutor using web-conferencing software. Email ASC@DaytonaState.edu to request a virtual tutoring session.

Supplemental Instruction –SI is a series of weekly review sessions for students taking historically difficult courses. Students who regularly participate in SI have consistently higher course grades than their peers who do not attend.

Workshops – The ASC offers workshops to DSC students on a variety of topics including standardized test prep (FTCE General Knowledge Test and TEAS), exam reviews, study skills, and digital literacy.

Space & Resources – Study space, computer labs, mobile technology, textbooks, and a variety of discipline-specific software are available at the ASC.

If you have any questions, please call (386) 506-3620, email ASC@DaytonaState.edu, or stop into any ASC location. We're looking forward to helping you access academic success!

Athletics and Fitness

Daytona State College offers varsity-level programs in men's basketball, soccer and baseball, women's basketball, soccer, fast-pitch softball, volleyball and golf, and men's and women's cross country. 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 daytonastate.edu/athletics/.

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:

- Adjust Class Schedule
- Apply for graduation
- Change of Address
- MyDaytonaState Student Portal login issues
- Pay Tuition Online
- Print Class Schedule
- Registration Assistance: Add, Drop, and Withdraw from Classes
- Request Enrollment Verification
- Request Official Transcripts
- View Unofficial Transcripts
- Watch Orientation Video

Student Life

Expand and enrich your college experience by getting involved with your campus and your community. The Student Life 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 Student Life in L. Gale Lemerand Student Center, Room 219 at the Daytona Beach Campus; Building 7, Room 151 at the DeLand Campus; or the director's office at the other campuses.

Writing Center

The Daytona State College Writing Center Is Here to Help You:
- Achieve your communication goals in any discipline
- Introduce you to effective test-taking strategies (GKT, TEAS, etc.)
- Brainstorm, collaborate and revise
- 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 students, staff and faculty.

Services

1-on-1, 45-minute tutoring appointments

DSC Writing Center consultants are attentive readers who want to engage you in a conversation about your writing and help you plan and revise it. Consultants refrain from editing or grading your work, but instead customize strategies for you to improve your writing and communication skills. Consultations for individuals or

small groups start on the hour and half hour and last up to 45 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.

You also are welcome to visit 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 Attic, which is an open, reconfigurable space equipped with couches, work tables, a smartboard, projector, and creative technology.

Workshops

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

Contact us

Please call (386) 506-3297 with any questions or to make an appointment. You're welcome to visit our website, daytonastate.edu/cwc, for information and online resources. You also can "like" the DSC Writing Center on Facebook or follow us on Twitter or Instagram for updates on Writing Center and campus events, writing tips and tricks, and other interesting academic tidbits.

Campus Life

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 daytonastate.edu/fitness_ctr/ or 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) 506-3234
Building 200, 1200 International Speedway Blvd
Daytona Beach, FL 32114

Regular Bookstore Hours
Monday – Thursday, 7:45 a.m.-7 p.m.
Friday, 7:45 a.m.-4 p.m.
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, Wednesday, Thursday: 8 a.m.-5 p.m.
Tuesday: 8 a.m.-6 p.m.
Friday: 9 a.m.-1 p.m.

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. - 3:30 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:

Monday - Friday, 8 a.m,. - 1 p.m.

Tuesday & Thursday, 5 - 7 p.m.

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, located in the Gale Lemerand Student Services Building (Bldg. 115, Room 314), and the 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 research assistance provided by professional librarians. 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 website (http://library.daytonastate.edu/index). 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, live chat, and by email – Librarian@daytonastate.edu.

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.

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

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 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. - 6 p.m.; and Saturday from 1 - 5 p.m.

Closed: Sundays & Mondays and during major holidays and college closures.

For complete listing, visit SMPonline.org.

Alumni and Friends

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

The Alumni and Friends Association strives to develop and strengthen relationships with DSC alumni, friends and 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 and Friends 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 and Friends 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.

Program Guides

Contemporary education should provide a level of knowledge that all members of our society must possess regardless of any specialized occupation or profession. To this end, Daytona State College has designed its curriculum to provide you with sufficient knowledge which will permit you to be a more responsible, articulate, and informed citizen.

To see the wide range of degrees and programs we offer, please use the search system below. You can search by the first number of the program code, the first letter of the program name, the program type, or choose to show all of our programs.

Associate of Arts Degree

Program Information

A.A. Degree - Code 010000 - Catalog 2019/2020

Alan McCoy, Administrative Assistant, 386-506-3009, Alan.Mccoy@daytonastate.edu
Alycia Ehlert, AVP, College of Arts & Sciences, 386-506-3769, Alycia.Ehlert@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Associate of Arts degree program is to provide the academic knowledge and skills necessary for successful transfer to meet higher education goals and for success in the workplace. To achieve this goal, the program provides students with a broad academic experience in fundamental areas of human knowledge and sets students on a path to gain skills most valued by both institutions of higher education and employers: to be able to communicate clearly, work with others, think critically, use technology appropriately, and appreciate diversity.

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/developmental courses.

The remaining 24 credit hours are elective credits. Graduates must also meet the requirements of the Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computation Skills (formerly known as the Gordon Rule), and 6A-10.02413 Civic Literacy Competency. Additionally,

students must complete a state-mandated foreign language requirement. Students must also complete a course designated as a Cultural/Global Focus Area in either their general education curriculum or as an elective, 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 (p. 83).)

Outcomes:

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Additional Graduation 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 at level 1121 or higher or ASL2150 or higher.) Foreign and sign language courses satisfy elective credits toward the AA degree.

Florida State Board of Education Administrative Rule 6A-10.02413, Civic Literacy Competency:

In accordance with the Florida Department of Education Administrative Rule, first-time-in-college AA and baccalaureate students entering a Florida College System

institution in the 2018-19 academic year and thereafter must demonstrate competency in civic literacy prior to graduation. Students can meet this requirement through one of the following options: successfully pass POS2041 American Federal Government or AMH2020 United States History 1865 to Present; or achieve a standard score on one of three assessments:

• AP Government and Politics: United States:
• AP United States History or
• CLEP: American Government

Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills (formerly known as the Gordon Rule):

In accordance with the 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 College-Level Communication and Computation Skills requirements.

Each course used to satisfy these state rules 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/developmental course work. See an Academic Advisor to determine developmental course requirements.

General Education Courses

General Education Core

Communication	9
Mathematics	6
Natural Sciences	6
Humanities	6
Social Sciences	9

Subtotal: 36

General Education Core: See note 1.

Transfer Elective Core

College Transfer Elective Courses	24

Transfer Electives: See note 2.

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Subtotal: 60

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
MAC1105	College Algebra OR	3
MGF2106	Survey in Mathematics OR	3
MGF2107	Mathematics for Liberal Arts	3
SLS1122	Managing Your Success	3
	College Transfer Elective	3
	College Transfer Elective	3

General Education Core: See note 1

Transfer Electives: See note 2

MAC1105, MGF2106, MGF2107: See note 3

SLS1122, Social Sciences Core: See note 4

2nd Semester

ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3
STA2023	Elementary Statistics	3
	College Transfer Elective	3
	College Transfer Elective	3

General Education Core: See note 1

Transfer Electives: See note 2

STA2023: See note 3

Year 2

1st Semester

	Natural Sciences Core - Choose One (3)	3
	Social Sciences Core - Civics Literacy (POS2041 or AMH2020)	3
	Humanities Core - Choose One (ARH, DAN, HUM, MUH, MUL, PHI, REL, THE) (3)	3
	College Transfer Elective or Foreign Language I	3

College Transfer Elective or Foreign Language II	3

General Education Core: See note 1

Transfer Electives: See note 2

Humanities Core: See note 6

Natural Sciences Core: See note 7

2nd Semester

Natural Sciences Core - Choose One (3)	3
Humanities Core - Choose One (AML, LIT) (3)	3
Social Sciences Core - Choose One (3)	3
College Transfer Elective	3
College Transfer Elective or Cultural/Global Course	3

General Education Core: See note 1

Complete a Cultural/Global focus area elective for one of these College Transfer Electives: See note 2 and 5.

Humanities Core: See note 6

Natural Sciences Core: See note 7

College Transfer Electives (24)

Transfer Electives: See note 2

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 Communication, Mathematics, Natural Sciences, Humanities, and Social Sciences. In the areas of NATURAL SCIENCE, HUMANITIES, and SOCIAL SCIENCES, you must choose two (2) courses each to satisfy the core requirement. The appropriate course selections for each of these areas are designated by Column I and Column II designations; students must complete at least one (1) course from Column I in the areas of NATURAL SCIENCE, HUMANITIES, and SOCIAL SCIENCES. Visit link to Requirements for Associate of Arts Degree (p. 35) for details.

Additionally, in the areas of NATURAL SCIENCES and HUMANITIES, you must choose two (2) courses each to satisfy the core requirement. In the area of SOCIAL SCIENCES, you must choose three (3) courses to satisfy the core requirement, though you are required to complete a course meeting the Civics Literacy requirement (either POS2041 or AMH2020) and SLS1122 (Managing Your Success) as part of your selections. Students enrolled in an active bachelor's program are not required to complete SLS1122.

Some students may be exempt from the requirement to complete SLS1122. Cases in which a student in the AA program are exempt are 1. Transfer students with 24+ credits and a 2.75+ cumulative GPA; 2. Readmit students with 24+ credits and a 2.75+ cumulative GPA; and 3. Students who change their program from an AS program to the AA program with 24+ credits toward the AA degree and a 2.75+ cumulative GPA.

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 a course designated as a Cultural/Global Focus Area course. Visit link to Requirements for Associate of Arts Degree for details.* Any college credit course that is not already counting toward a General Education requirement may be used to meet elective options in this requirement, except courses that have a course number that begins with a 0, for example MAT0018C, ARR0121C, CJK0012, etc. Courses in limited access programs are available only for students admitted to that program. Link to Catalog Course Descriptions (p. 332) 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 transfer school and major and be informed of the prerequisites for their intended program by the time 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 an academic advisor to select electives to fulfill the prerequisites for their major upon transfer.

3. *Mathematics Core* - Higher level mathematics courses will also satisfy this core requirement.

4. *SLS1122* Managing Your Success is a requirement for students in the Associate of   Arts (AA) degree. See possible exemptions in note #1 above.

5. *Cultural/Global Focus* -   You may choose any of the following Cultural/Global Focus electives to satisfy this requirement: CPO2001; EDF2085; EUH2000, GEB2351; GEO2000; GEO2420; HUM2020; HUM2210; HUM2230; INR2002; LIT2110; LIT2120; REL2300; SYG2010; SLS2281.

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 course (ARH, DAN, HUM, MUH, MUL, PHI, REL, THE). One of these must come from Column I.

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

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

Please refer to the Excess Hours Advisory Statement (p. 35) **from the Division of Florida Colleges in the College Catalog under General Education -** Requirements for the Associate of Arts Degree (p. 35)**.**

A.S. Certificate

Accounting Technology Management, A.S. Certificate

Program Information

A.S. Certificate - Code 094300 - Catalog 2019/2020

Jackson Musyimi, Assistant Chair, 386-506-3261,
Jackson.Musyimi@DaytonaState.edu
John Fortner, 386-506-3990,
John.Fortner@daytonastate.edu
School of Business Admin., 386-506-4227

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.

Credits earned in this certificate may be applied toward the 208400 AS degree in Accounting Technology (p. 160) and 093500 Accounting Technology Operations (p. 125) certificate.

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*	$2,764
Access Fee:	$30.24 ($1.12 per credit)
Assessment Fee:	$34
Textbook Estimate:	$900

*In-state tuition only; out-of-state tuition will be higher.

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. For additional career information, please
see: http://www.onetonline.org/link/summary/43-3031.00.

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 83%.

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

ACG2021	Principles of Financial Accounting	3
APA1111	Office Accounting I	3
APA1121	Office Accounting II	3
APA1711	Computerized Spreadsheet	3
FIN1100	Personal Financial Planning	3

FIN2000	Principles of Finance	3
ISM2000	Business Information Processing	3
QMB1001	Business Math	3
TAX2000	Personal Income Tax	3

Sample Program of Study

1st Semester

APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
ISM2000	Business Information Processing	3
QMB1001	Business Math	3
TAX2000	Personal Income Tax	3

2nd Semester

ACG2021	Principles of Financial Accounting	3
APA1121	Office Accounting II	3
APA1711	Computerized Spreadsheet	3
FIN2000	Principles of Finance	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 27

Notes

Upon completion of this certificate 094300, students are eligible to also apply for certificate 093500.

Accounting Technology Operations - Tax Preparation, A.S. Certificate

Program Information

A.S. Certificate - Code 093500 - Catalog 2019/2020

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John Fortner, 386-506-3990, John.Fortner@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

In support of the College mission, the Accounting Technology Operations 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.

Credits earned in this certificate may be applied toward the 208400 AS degree in Accounting Technology (p. 160) and 094300 Accounting Technology Management (p. 124) certificate.

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.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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 may Daytona State College Foundation scholarships offered each semester. For more information see: http://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*:	$1,843
Access Fee:	$20.16 ($1.12 per credit)
Assessment Fee:	$34
Textbook Estimate:	$600

*In-state tuition only; out-of-state tuition will be higher.

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, 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

Program Length: The typical length of this program is two (2) semesters for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 86%.

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

Program Specific Courses require a "C" or better.

APA1111	Office Accounting I	3
APA1121	Office Accounting II	3
APA1711	Computerized Spreadsheet	3
FIN1100	Personal Financial Planning	3
QMB1001	Business Math	3
TAX2000	Personal Income Tax	3

Sample Program of Study

1st Semester

APA1111	Office Accounting I	3
APA1711	Computerized Spreadsheet	3
FIN1100	Personal Financial Planning	3
QMB1001	Business Math	3

2nd Semester

APA1121	Office Accounting II	3
TAX2000	Personal Income Tax	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 18

Applied Technology Specialist, A.S. Certificate

Program Information

A.S. Certificate - Code 082000 - Catalog 2019/2020

Anindya Paul, Department Chairperson, 386-506-4155, Anindya.Paul@daytonastate.edu
Mina El karmadi, Senior Staff Assistant, 386-506-4154, Mina.Elkarmadi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The program prepares students for employment or provides additional training for persons employed in manufacturing and high technology industries. This certificate is a part of the Engineering Technology AS degree program. The program prepares students for entering into the manufacturing career cluster.

Description:

This certificate prepares student for Engineering Technology support positions dealing with electronics, cabling, soldering, basic device testing and engineering in the manufacturing career cluster.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate a fundamental understanding of electronics and electricity.
2. Demonstrate proficiency in using tools, instruments and testing devices.
3. Apply soldering techniques and basic laboratory practices.
4. Demonstrate proficiency in surface mount soldering.
5. Create and analyze fiber optics terminations.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Tuition and Fees*: $1,638
Access Fee: $17.92 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $75 - $117
Textbook Estimate:Consult college bookstore for approximate costs of textbooks.
Other costs: A scientific calculator, computer repair tool kit (approx. $20), and soldering kit (approx. $20).

*In-state tuition only; out-of-state tuition will be higher.

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. For additional career information, please see: https://www.onetonline.org/link/summary/17-3029.00.

Program Length: The typical length of this program is 2 semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) placement rates for this program are unavailable.

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

CET1112C	Digital Fundamentals and Lab	4
EET1011C	Introduction to Electrical Circuits and Lab OR	3
EET1021C	Advanced Electrical Circuits and Lab	3
EET1607C	Electronics Assembly and Cabling and Lab	3
EGS1000	Professional Performance for Technicians	3
ETG2520	Statics and Strength of Materials	3

Sample Program of Study

Year 1

1st Semester

CET1112C	Digital Fundamentals and Lab	4
EET1011C	Introduction to Electrical Circuits and Lab OR	3
EET1021C	Advanced Electrical Circuits and Lab	3
EGS1000	Professional Performance for Technicians	3

2nd Semester

EET1607C	Electronics Assembly and Cabling and Lab	3
ETG2520	Statics and Strength of Materials	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 16

Audio/Recording Technology, A.S. Certificate

Program Information

A.S. Certificate - Code 081800 - Catalog 2019/2020

Douglas Peterson, Chairperson, SMEA, 386-506-3276, Doug.Peterson@daytonastate.edu

Jake Niceley, 386-226-1914, James.Niceley@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The purpose of this program is to prepare students for initial employment as a sound technician or recording technician, or to provide supplemental training for persons previously or currently employed in these occupations.

Description:

The program's curricular content includes, but is not limited to, set up and configuration of a computer for audio applications, and the operation of basic reproduction, and audio recording equipment.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate a functional ability to work in cohesive teams focusing on organizational and leadership skills while contributing to the community through audio-related service learning.
2. Expand their knowledge set and proficiencies in music production technology and audio engineering.
3. Enhance or refine their existing skills in technical problem solving for audio engineering through integrated and reflective learning.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $1,536
Access Fee: $16.80 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $260
Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

• Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an

Academic Advisor to determine developmental course requirements.

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. For additional career information, please
see: https://www.onetonline.org/link/summary/27-4011.00.

Program Length: The typical length of this program is 3 semesters (45 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 94%.

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

MUM1610	Survey of Recording Technology	3
MUM2600	Audio Engineering I	3
MUM2600L	Audio Engineering I Lab	2
MUM2601	Audio Engineering II	3
MUM2601L	Audio Engineering II Lab	2
MVK1111	Applied Music-Group (Piano) I-II	1
MVK2121	Applied Music-Group (Piano) III-IV	1

Sample Program of Study

1st Semester

MUM1610	Survey of Recording Technology	3
MVK1111	Applied Music-Group (Piano) I-II	1

2nd Semester

MUM2600	Audio Engineering I	3
MUM2600L	Audio Engineering I Lab	2
MVK2121	Applied Music-Group (Piano) III-IV	1

3rd Semester

MUM2601	Audio Engineering II	3
MUM2601L	Audio Engineering II Lab	2

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 15

AutoCAD Foundations (Architectural), A.S. Certificate

Program Information

A.S. Certificate - Code 092700 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonaState.edu
Deborah Kirkland, Assistant Chair, 386-506-4158, Deborah.Kirkland@daytonaState.edu

Mina El Karmadi, Senior Staff Assistant 386-506-4154, Mina.Elkarmadi@daytonastate.edu

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.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $1,536
Access Fee: $16.80 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $75 - $105
Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

• Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information, please
see: https://www.onetonline.org/link/summary/17-3011.00.

Program Length: The typical length of this program is 2 semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 77%.

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

BCN1251C	Architectural Drawing I and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
BCN1253C	Architectural Drawing II and Lab	3
	Construction Elective	3

Construction Elective (3 Hrs) Choose One from List

IND1211	History of Architecture & Interiors	3
BCN1210	Materials and Processes	3
ETC2245	Construction Methods	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETD2395C	Architectural CAD and Lab	3
BCN2049	Sustainable Design & Construction	3

Sample Program of Study

1st Semester

BCN1251C	Architectural Drawing I and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3

2nd Semester

	Construction Elective	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
BCN1253C	Architectural Drawing II and Lab	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 15

AutoCAD Foundations (Engineering), A.S. Certificate

Program Information

A.S. Certificate - Code 092800 - Catalog 2019/2020

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Mina El Karmadi, Senior Staff Assistant 386-506-4154, Mina.Elkarmadi@daytonastate.edu

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.

Financial Aid
The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $1,536

Access Fee:	$16.80 ($1.12 per credit)
Assessment Fee:	$34
Lab Fees:	$195
Textbook Estimate:	Consult college bookstore for approximate costs of textbooks.

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements
- Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information, please see: https://www.onetonline.org/link/summary/17-3011.00.

Program Length: The typical length of this program is 2 semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 77%.

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

EGN1111C	Engineering Drawing and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2465C	Tool Design and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3

Sample Program of Study

1st Semester

EGN1111C	Engineering Drawing and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3

2nd Semester

ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3

| ETD2465C | Tool Design and Lab | 3 |
| ETD2364C | SolidWorks Solid Modeling and Lab | 3 |

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 15

Baking and Pastry Arts, A.S. Certificate

Program Information

A.S. Certificate - Code 082600 - Catalog 2019/2020

Costa Magoulas, Dean, 386-506-3578, Costa.Magoulas@daytonastate.edu
Lisa Allen, Program Advisor, 386-506-3946, Lisa.Allen@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Baking and Pastry Arts 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 and Pastry Arts certificate, is the increased marketability with this additional skill set.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate basic and advanced techniques used in pastry and baking.
2. Apply sanitation procedures that comply with FDA principles and requirements.
3. Demonstrate skills needed for employment within a professional baking and pastry business.
4. Interpret basic nutrition principles and how they impact customers' dietary restrictions.

5. Utilize multiple baking and cooking techniques to create pastries, desserts, artisan breads, and chocolates.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $3,583
Access Fee: $39.20 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $1200
Uniforms: $75
Pastry Kit: $270
Textbook Estimate: $285
*In-state tuition only; out-of-state tuition will be higher.

Careers

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/link/summary/51-3011.00.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 60%.

Job titles for this certificate are Baker, Pastry Chef, Wedding Cake Specialist, Retail or Wholesale Bakeshop Manager.

For additional information on wages, trends and career videos: https://www.careeronestop.org/Toolkit/Careers/Occupations/occupation-profile.aspx?keyword=Bakers&onetcode=51301100&location=DAYTONA%20BEACH,%20FL.

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

FOS1201	Sanitation and Safety	3
HFT1000	Introduction to Hospitality Industry	3
HFT2454	Hospitality Purchasing and Controls	3
FOS2161	Specialty Artisan Breads	4
FOS1141	Introduction to Cakes	3
FOS1142	Pastry Fundamentals	3
FOS1151	Nutritional Baking	3
FOS2140	Chocolate and Confections	3
FOS2145	Dessert Production and Presentation	4
FOS2146	Advanced Cakes	3
FOS2147	Advanced Pastry Techniques	3

Sample Program of Study

1st Semester

FOS1201	Sanitation and Safety	3
FOS1141	Introduction to Cakes	3
FOS1142	Pastry Fundamentals	3
FOS2161	Specialty Artisan Breads	4

2nd Semester

FOS1151	Nutritional Baking	3
FOS2146	Advanced Cakes	3
HFT1000	Introduction to Hospitality Industry	3
HFT2454	Hospitality Purchasing and Controls	3

Summer Semester

FOS2140	Chocolate and Confections	3
FOS2145	Dessert Production and Presentation	4
FOS2147	Advanced Pastry Techniques	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 35

Broadcast TV Production, A.S. Certificate

Program Information

A.S. Certificate - Code 082400 - Catalog 2019/2020

Anita Bevins, Associate Professor, 386-506-3936, Anita.Bevins@daytonastate.edu
Program Office, 386-506-4227, BASinfo@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Broadcast Television Production Certificate is to prepare students for employment as television and video production personnel. The program teaches broadcast television and production stressing academic knowledge, problem-solving skills, work ethics, and specific occupational skills necessary for studio and field production.

Description:

The Broadcast Television Production Certificate stresses a comprehensive understanding and demonstration of video production skills including studio and field productions.

Credits earned in this certificate may be applied toward the A.S. degree in Broadcast Television Production (p. 163).

Outcomes:

Graduates of the program will be able to:

1. Demonstrate team skills.
2. Demonstrate safe and efficient work practices.
3. Generate a production schedule.
4. Plan a production set.
5. Create appropriate lighting for location and/or set productions.
6. Operate a video camera.
7. Shoot studio and/or location footage.
8. Record, mix, and edit audio resources.
9. Operate control room equipment.
10. Organize and edit video resources.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*:	$2,457.12
Access Fee:	$26.88 ($1.12 per credit)
Assessment Fee:	$34
Lab Fees:	$19
Textbook Estimate:	Consult college bookstore for approximate costs of textbooks.

*In-state tuition only; out-of-state tuition will be higher.

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. For additional career information, please see: https://www.onetonline.org/link/summary/27-4031.00.

Program Length: The typical length of this program is 3 semesters (30 weeks) for a full-time student . The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 80%.

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

RTV1000C	Fundamentals of Broadcast Production and Lab	4
RTV1510C	Studio Television Production and Lab	4
RTV1670	Television Directing	3
RTV2241	Producing for Television	3
RTV2540	Workshop in Studio Production	3
RTV2534	Electronic Field Production	3
RTV2541C	Team Media Production and Lab	4

Subtotal: 24

Sample Program of Study

Year 1

1st Semester

RTV1000C	Fundamentals of Broadcast Production and Lab	4

2nd Semester

RTV1510C	Studio Television Production and Lab	4
RTV2241	Producing for Television	3
RTV1670	Television Directing	3

Year 2

1st Semester

RTV2541C	Team Media Production and Lab	4
RTV2534	Electronic Field Production	3
RTV2540	Workshop in Studio Production	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 24

Business Management, A.S. Certificate

Program Information

A.S. Certificate - Code 091600 - Catalog 2019/2020

Jackson Musyimi, Assistant Chair, 386-506-3261, Jackson.Musyimi@daytonastate.edu
John Weiss, 386-506-3792, John.Weiss@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Business Management Certificate program is to prepare students for employment in small business or promotion with a current employer into management through innovative curriculum that emphasizes student success, promotes diversity, and provides the fundamental concepts, knowledge, and skills needed to meet local industry needs.

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.

Credits earned in this certificate may be applied toward the 205900 AS degree in Business Administration (p. 165) and 091300 Business Operations Entrepreneurship (p. 135) certificate.

Outcomes:

Graduates of the program will be able to:
1. Prepare financial information for management-related decisions.
2. Generate effective communication of ideas, concepts and terminology.
3. Apply business related theories to problems, cases, or research papers.
4. Create business documentation using appropriate software.
5. Formulate a company marketing plan using marketing concepts.
6. Develop a business plan for a new business venture.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $2,457
Access Fee: $26.88 ($1.12 per credit)
Assessment Fee: $34
Textbook Estimate: $1,050

*In-state tuition only; out-of-state tuition will be higher.

Careers

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 99%.

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/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

Program Specific Courses require a "C" or better.

BUL2241	Business Law I	3
GEB1011	Introduction to Business	3
ISM2000	Business Information Processing	3
MAN2021	Principles of Management	3
MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Accounting or Finance Elective (3 credits)

Choose One

ACG2021	Principles of Financial Accounting	3
APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3

Business Elective (3 credits) Choose One

ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	3
GEB2351	International Business	3
MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing in Business	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MNA2345	Supervision of Personnel	3
GEB2430	Ethics and Social Responsibility	3
QMB1001	Business Math	3

Sample Program of Study

1st Semester

BUL2241	Business Law I	3
GEB1011	Introduction to Business	3
ISM2000	Business Information Processing	3
MAN2021	Principles of Management	3

2nd Semester

MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Accounting or Finance Elective (3 credits)

Choose One

ACG2021	Principles of Financial Accounting	3
APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3

Business Elective (3 credits)

Choose One

ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	3
GEB2351	International Business	3
GEB2430	Ethics and Social Responsibility	3
MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing in Business	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3

| MNA2345 | Supervision of Personnel | 3 |
| QMB1001 | Business Math | 3 |

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 24

Business Operations - Entrepreneurship, A.S. Certificate

Program Information

A.S. Certificate - Code 091300 - Catalog 2019/2020

Jackson Musyimi, Assistant Chair, 386-506-3261, Jackson.Musyimi@daytonastate.edu
Diana-Joy Colarusso, 386-506-3603, DianaJoy.Colarusso@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Business Operations Certificate program is to prepare students for employment in small business through innovative curriculum that emphasizes student success, promotes diversity, and provides the fundamental concepts, knowledge, and skills needed to meet local industry needs.

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.

Credits earned in this certificate may be applied toward the 205900 AS degree in Business Administration (p. 165), 222100 - AS degree in Industrial Management Technology (p. 206), and the 091600 - Business Management certificate (p. 133).

Outcomes:

Graduates of the program will be able to:

1. Prepare financial information for management-related decisions.
2. Generate effective communication of ideas, concepts and terminology.
3. Apply business related theories to problems, cases, or research papers.
4. Create business documentation using appropriate software.
5. Formulate a company marketing plan using marketing concepts.

6. Develop a business plan for a new business venture.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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.

Approximate Additional Costs

Program Tuition and Fees*: $1,843
Access Fee: $20.16 ($1.12 per credit)
Assessment Fee: $34
Textbook Estimate: $900

*In-state tuition only; out-of-state tuition will be higher.

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. For additional career information, please see: http://www.onetonline.org/link/summary/11-1021.00.

Program Length: The typical length of this program is two (2) semesters for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 100%.

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

Program Specific Courses require a "C" or better.

GEB1011	Introduction to Business	3
ISM2000	Business Information Processing	3
MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Accounting or Finance Elective - Choose one:

ACG2021	Principles of Financial Accounting	3
APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3

Business Elective - Choose One (3 credits):

BUL2241	Business Law I	3
ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	3
GEB2351	International Business	3
GEB2430	Ethics and Social Responsibility	3
MAN2021	Principles of Management	3
MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing in Business	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MNA2345	Supervision of Personnel	3
QMB1001	Business Math	3

Sample Program of Study

1st Semester

ISM2000	Business Information Processing	3
GEB1011	Introduction to Business	3

Accounting or Finance Elective (3 credits) - Choose One:

ACG2021	Principles of Financial Accounting	3
APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3

2nd Semester

MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Business Elective - Choose one:

BUL2241	Business Law I	3
ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	3
GEB2351	International Business	3
GEB2430	Ethics and Social Responsibility	3
MAN2021	Principles of Management	3
MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing in Business	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MNA2345	Supervision of Personnel	3
QMB1001	Business Math	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 18

Computer Programming, A.S. Certificate

Program Information

A.S. Certificate - Code 093800 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, anindya.paul@daytonastate.edu
Luke Sui, Assistant Chair, luke.sui@daytonastate.edu

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.

Successful completers of CET1600 are eligible to take the test to become a Network Plus Certified Professional.

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $3,379
Access Fee: $36.96 ($1.12 per credit)
Assessment Fee: $34
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

• Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information, please see:

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

Program Length: The typical length of this program is four (3) semesters (36 weeks) for a full-time student. The Florida Education and Training Placement Information

Program (FETPIP) lists the placement rate (2016-17) for this field at 86%.

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

CET1600	Network Plus	3
CTS1851	Internet Web Foundations (HTML, CSS)	3
COP2700	Introduction to Database Management OR	3
CTS2431C	Data Organization and Management and Lab	3
COP1000	Principles of Computer Programming	3
COP2360	C# Programming	3
COP2800	Computer Programming Java	3
COP2949	Cooperative Educational Experience in Computer Programming	1-4
EGS1000	Professional Performance for Technicians	3
CEN2002	Software Design and Development I	3
CET2154	A+ Computer Repair	4
	Computer Elective (Choose 3 credit hours)	3

*COP2949 is a variable credit course (1-4 credits). The academic department has approved it for **2 credits** in this program.*

Computer Elective - Choose From:

CAP2023	Introduction to Game Programming	3
CGS2100	Microcomputer Applications	3
COP2842	Web Scripting (PHP)	3
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3
CIS2350	Principles of Information Assurance	3

Sample Program of Study

1st Semester

COP1000	Principles of Computer Programming	3

EGS1000	Professional Performance for Technicians	3
CTS1851	Internet Web Foundations (HTML, CSS)	3
CET1600	Network Plus	3
CET2154	A+ Computer Repair	4

2nd Semester

COP2800	Computer Programming Java	3
	Computer Elective	3
CTS2431C	Data Organization and Management and Lab OR	3
COP2700	Introduction to Database Management	3
COP2360	C# Programming	3

3rd Semester

COP2949	Cooperative Educational Experience in Computer Programming	1-4
CEN2002	Software Design and Development I	3

*COP2949 is a variable credit course (1-4 credits). The academic department has approved it for **2 credits** in this program.*

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 33

Computer-Aided Design and Drafting, A.S. Certificate

Program Information

A.S. Certificate - Code 082100 - Catalog 2019/2020

Anindya Paul, Department Chairperson, 386-506-4155, Anindya.Paul@daytonastate.edu
Deborah Kirkland, Assistant Chair, 386-506-4158, Deborah.Kirkland@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The program prepares students for employment or provides additional training for persons employed in manufacturing and high technology industries. This certificate is a part of the Engineering Technology AS degree program. The program prepares students for entering into the manufacturing career cluster.

Description:

This certificate provides a program of study with courses in CAD and sold modeling needed to assist the engineering activities of industry and consultants in planning, designing, and detailing. Rapid prototyping is also utilized throughout the solid modeling courses. This certificate is a part of the Engineering Technology AS degree program.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate proficiency in using advanced CAD commands.
2. Design three-dimensional (3-D) drawings.
3. Demonstrate proficiency in using solid (3D) modeling software.
4. Demonstrate proficiency in engineering design fundamentals.
5. Demonstrate proficiency in solid modeling fundamentals.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Tuition and Fees*:	$2,457
Access Fee:	$26.88 ($1.12 per credit)
Assessment Fee: $34	
Lab Fees:	$330
Other Costs:	A scientific calculator, computer repair tool kit (approx. $20), and soldering kit (approx. $20).
Textbook Estimate:	Consult college bookstore for approximate costs of textbooks.

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information please see:

17-3019 Drafters
17-3012 Electrical and Electronic Drafters
17-3013 Mechanical Drafters
17-3026 Industrial Engineering Technicians

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) placement rates for this program are unavailable at this time.

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
Program Specific Courses require a "C" or better.

ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2368C	SolidWorks II and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETD2465C	Tool Design and Lab	3

Sample Program of Study

Year 1

1st Semester

ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2465C	Tool Design and Lab	3

2nd Semester

ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2368C	SolidWorks II and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 24

Culinary Arts, A.S. Certificate

Program Information

A.S. Certificate - Code 081900 - Catalog 2019/2020

Costa Magoulas, Dean, 386-506-3578, Costa.Magoulas@daytonastate.edu
Lisa Allen, Administrative Specialist, 386-506-3946, Lisa.Allen@daytonastate.edu

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 are also 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 - 222600 (p. 176).

Outcomes:

Graduates of the Program will be able to:

1. Identify organization and functions of the culinary industry.
2. Demonstrate skills in food and beverage service, 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $3,583
Access Fee: $39.20 ($1.12 per credit)
Assessment Fee: $34
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

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. For additional career information, please see: http://www.onetonline.org/link/summary/35-1011.00.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 75%.

Job titles for this certificate are Restaurant Cook, First Line Supervisor. Work in the hospitality industry in restaurants, hotels, country clubs, resorts, and industrial kitchens.

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

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

FOS1201	Sanitation and Safety	3
FSS1063C	Baking and Lab	3
FSS1202C	Food Production I and Lab	3
FSS1222C	Food Production II and Lab	3
FSS1270	Introduction to Craft Beer and Wine	3
FSS2210C	Food Production III and lab	3
FSS2284C	Catering and Buffet Management and Lab	3
HFT1940C	Hospitality Practicum I (Basic) and Lab	3
HFT1941C	Hospitality Practicum II (Intermediate) and Lab	3
HFT2942C	Hospitality Practicum III (Advanced) and Lab	3
HUN1203	Culinary Nutrition	3
LIS2004	Research Strategies for College Students	1
OST1141	Keyboarding	1

Sample Program of Study

1st Semester

FOS1201	Sanitation and Safety	3
FSS1063C	Baking and Lab	3
FSS1202C	Food Production I and Lab	3
FSS1222C	Food Production II and Lab	3
HUN1203	Culinary Nutrition	3

2nd Semester

FSS1270	Introduction to Craft Beer and Wine	3
FSS2210C	Food Production III and lab	3
FSS2284C	Catering and Buffet	3

	Management and Lab	
HFT1940C	Hospitality Practicum I (Basic) and Lab	3
HFT1941C	Hospitality Practicum II (Intermediate) and Lab	3
Summer Semester		
HFT2942C	Hospitality Practicum III (Advanced) and Lab	3
LIS2004	Research Strategies for College Students	1
OST1141	Keyboarding	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 35

Drafting and Design Technology, A.S. Certificate

Program Information

A.S. Certificate - Code 092900 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Deborah Kirkland, Assistant Chair, 386-506-4158, Deborah.Kirkland@daytonaState.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Drafting and Design Technology program is to provide the knowledge and skills necessary to 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $2,457
Access Fee: $26.88 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $300 or $360 (including electives)
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

• Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information, please see:

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

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 79%.

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

Program Specific Courses require a "C" or better.

ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
EGN1111C	Engineering Drawing and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2465C	Tool Design and Lab	3
IND2500	Professional Practices for the Design Industry	3

Elective (3 hrs) Choose one from list

BCN2049	Sustainable Design & Construction	3
ETC2245	Construction Methods	3
ETD2368C	SolidWorks II and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3

Sample Program of Study

1st Semester

EGN1111C	Engineering Drawing and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
	Elective	3

2nd Semester

ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2465C	Tool Design and Lab	3
IND2500	Professional Practices for the Design Industry	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 24

Engineering Technology Support Specialist, A.S. Certificate

Program Information

A.S. Certificate - Code 082300 - Catalog 2019/2020

Anindya Paul, Department Chairperson, 386-506-4155, Anindya.Paul@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The program prepares students for employment or provides additional training for persons employed in manufacturing and high technology industries. This certificate is a part of the Engineering Technology AS degree program. The program prepares students for entering into the manufacturing career cluster.

Description:

This certificate prepares students for entry-level employment with an occupational title as Engineering Support Specialist or Engineering Specialist in various specialized areas to support engineering design, manufacturing processes and production, testing, and/or maintaining product quality, or to provide supplemental training for persons previously or currently employed in these occupational areas.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate an understanding of industrial processes and material properties.
2. Generate and interpret computer-aided drawings.
3. Demonstrate a fundamental understanding of electronics and electricity.
4. Demonstrate an understanding of industrial safety, health, and environmental requirement.
5. Summarize quality assurance methods and quality control concepts.
6. Demonstrate proficiency in using tools, instruments and testing devices.
7. Implement basic troubleshooting skills.
8. Apply appropriate communication skills.
9. Apply appropriate math skills.
10. Evaluate and apply modern business practices and strategies.
11. Exhibit employability skills.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $2,150
Access Fee: $23.52 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $90 - $106
Textbook Estimate: Consult college bookstore for approximate costs of textbooks
 Other Costs: A scientific calculator, computer repair tool kit (approx. $20), and soldering kit (approx. $20).

*In-state tuition only; out-of-state tuition will be higher.

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. For additional career information, please see: https://www.onetonline.org/link/summary/17-3029.00.

Program Length: The typical length of this program is 2 semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 74%.

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

EET1011C	Introduction to Electrical Circuits and Lab OR	3
EET1021C	Advanced Electrical Circuits and Lab	3
EET1607C	Electronics Assembly and Cabling and Lab	3
EGS1000	Professional Performance for Technicians	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETI1110	Introduction to Quality Assurance	3
ETI1701	Industrial Safety	3
ETM1010	Mechanical Measurement and Instrumentation	3

Sample Program of Study

Year 1

1st Semester

EET1011C	Introduction to Electrical Circuits and Lab OR	3
EET1021C	Advanced Electrical Circuits and Lab	3
EET1607C	Electronics Assembly and Cabling and Lab	3
EGS1000	Professional Performance for Technicians	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3

2nd Semester

ETI1110	Introduction to Quality Assurance	3
ETI1701	Industrial Safety	3
ETM1010	Mechanical Measurement and Instrumentation	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 21

Hospitality Beverage Science, A.S. Certificate

Program Information

A.S. Certificate - Code 082500 - Catalog 2019/2020

Costa Magoulas, Dean, 386-506-
3578, Costa.Magoulas@daytonastate.edu
Lisa Allen, Administrative Specialist, 386-506-
3946, Lisa.Allen@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Hospitality Beverage Science Certificate program is to give students the required knowledge, experience and skills for employment in the beverage segment of the hospitality and culinary industry. The program is committed to providing and fostering a student centered learning environment that combines theory and practical hands on teaching methods in a state of the art professional setting.

Description:

The Hospitality Beverage Science program is designed to prepare students for a variety of careers in the craft brewing, hospitality or culinary industry.

Outcomes:

Graduates of the program will be able to:

1. Handle and process brewing ingredients for making beer.
2. Manage yeast propagation and cultivation in a craft brewery setting.
3. Discuss wine production, identification, production methods, and proper service technique.
4. Pair wines and beer with appropriate food choices.
5. Understand standard cleaning, sanitizing, and safety procedures in a commercial brewery or bar.
6. Demonstrate skills in sanitation and safety procedures for a commercial brewery or bar.

7. Demonstrate beverage servings in a commercial setting while conforming to safe practices and applicable laws.
8. Identify and explain the various components of beverage management in accordance with federal, state and local regulations.
9. Demonstrate the ability to design a beverage menu.
10. Identify and develop a marketing plan for beverage products for a hospitality establishment.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*:	$3,071
Access Fee:	$33.60 ($1.12 per credit)
Assessment Fee: $34	
Lab Fees:	$110
Uniforms:	$100

*In-state tuition only; out-of-state tuition will be higher.

Careers

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. For additional career information, please
see: https://www.onetonline.org/link/summary/11-9051.00.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 92%.

Job titles for this certificate are Foodservice Manager, Brewery Assistant, Brewery Worker, Beverage Server in a brewery tap room, brewpub, restaurant, or hotel.
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

FSS1270	Introduction to Craft Beer and Wine	3
FSS1287	Introduction to Craft Beer Production	3
HFT1021	Beer, Wine and Beverage Service	3
HFT1213	Beverage Sanitation and Safety	3
HFT1860	Beverage Operations Management	3
HFT2009	Hospitality Professionalism	3
HFT2454	Hospitality Purchasing and Controls	3
HFT2804	Introduction to Beverage Science	3
HFT2822	Brewery Operations	3
HFT2867	Wine Essentials	3

Sample Program of Study

1st Semester

HFT1213	Beverage Sanitation and Safety	3
FSS1270	Introduction to Craft Beer and Wine	3
HFT2009	Hospitality Professionalism	3
HFT2804	Introduction to Beverage Science	3

2nd Semester

HFT1021	Beer, Wine and Beverage Service	3
HFT1860	Beverage Operations Management	3
HFT2454	Hospitality Purchasing and Controls	3
HFT2867	Wine Essentials	3

Summer Semester

HFT2822	Brewery Operations	3
FSS1287	Introduction to Craft Beer Production	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 30

Information Technology Analysis, A.S. Certificate

Program Information

A.S. Certificate - Code 090300 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Luke Sui, Assistant Chair, Luke.Sui@daytonastate.edu

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.

Most of the program courses count toward the AS degree in Networking Systems Technology (p. 213), and some courses could be applied toward AS degrees in Computer Programming and Analysis (p. 172), Computer Information Technology (p. 170), and Computer Engineering Technology (p. 167).

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $2,764
Access Fee: $30.24 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $20
Textbook Estimate: Varies depending on new, used, renting, or e-books

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

• Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information, please see:

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

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 97%.

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

CTS2328	Managing and Maintaining a Windows Network Environment	3
CTS2214	Project Management w/Microsoft Project	3
CIS2350	Principles of Information Assurance	3
CTS2321	Linux Fundamentals	3
CET2154	A+ Computer Repair	4
CET1600	Network Plus	3
CGS2100	Microcomputer Applications	3
EGS1000	Professional Performance for Technicians	3
CIS2949	Cooperative Education Experience in Computer and Information Systems	1

Sample Program of Study

1st Semester

CET2154	A+ Computer Repair	4
CET1600	Network Plus	3
CGS2100	Microcomputer Applications	3
EGS1000	Professional Performance for Technicians	3

2nd Semester

CIS2350	Principles of Information Assurance	3
CTS2321	Linux Fundamentals	3
CTS2328	Managing and Maintaining a Windows Network Environment	3
CTS2214	Project Management w/Microsoft Project	3
CIS2949	Cooperative Education Experience in Computer and Information Systems	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 27

Interior Design Technology - Kitchen and Bath Specialization, A.S. Certificate

Program Information

A.S. Certificate - Code 081600 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155,
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Deborah Kirkland, Assistant Chair, 386-506-4158,
Deborah.Kirkland@daytonastate.edu

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 primary purpose of this program is to prepare students for initial employment in the interior design, architecture, or construction industry, specifically in the kitchen and bath disciplines. This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for careers in this field. Program competency-based applied learning covers the elements and principles of design, advanced hand and computer aided drawing skills, visual and oral presentation skills, and NKBA (National Kitchen and Bath) standards for kitchen and bath design.

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 - 207000 (p. 208) 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 - 221900 (p. 161).

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. Upon completion, students will be qualified for positions with "to-the-trade-only" fabric/furniture/flooring showrooms serving the interior design professionals.

Outcomes:

Graduates of the program will be able to:
1. Identify and apply elements and principles of design to interior spaces.
2. Incorporate evaluations, space planning, layout, workflow, and design into kitchen and bath projects
3. Research and specify interior design materials and resources as they apply to kitchen and bath projects.
4. Identify interior building codes, regulations, and legislation relating to residential and non-residential spaces.
5. Explain sustainability issues related to the design, construction, and maintenance of the built environment.
6. Communicate design concepts effectively through drawing, written, visual, and oral presentations.
7. Demonstrate employability skills and an understanding of entrepreneurship and systems for a professional practice.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $3,993
Access Fee: $43.68 ($1.12 per credit)
Assessment Fee: $34
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.

Additional Admission Requirements

- Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information, please see: http://www.onetonline.org/link/summary/27-1025.00.

Program Length: The typical length of this program is three (3) semesters (45 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) placement rates for this program are unavailable at this time.

Job titles for this certificate are 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.

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

BCN1251C	Architectural Drawing I and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
IND2408	Specialized Software for Interior Design	3
HHD1361	Practical Interior Applications	3
BCN2049	Sustainable Design & Construction	3
IND1300	Graphics of Interior Design I	3
IND1432	Lighting for Interior Design	3
IND1935	Building and Barrier Free Codes	3
IND2410	Kitchen and Bath Design I	3
IND2411	Materials and Estimating for Kitchen and Bath	3
IND2414	Kitchen and Bath Design II	3
IND2500	Professional Practices for the Design Industry	3
IND2949	Cooperative Education Experience in Interior Design	1

	OR	
BCT2949	Cooperative Education Experience in Construction	1

Sample Program of Study

1st Semester

BCN1251C	Architectural Drawing I and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
IND2408	Specialized Software for Interior Design	3
IND1300	Graphics of Interior Design I	3

2nd Semester

IND2500	Professional Practices for the Design Industry	3
IND1432	Lighting for Interior Design	3
IND1935	Building and Barrier Free Codes	3
IND2410	Kitchen and Bath Design I	3
IND2411	Materials and Estimating for Kitchen and Bath	3
BCN2049	Sustainable Design & Construction	3

3rd Semester

HHD1361	Practical Interior Applications	3
IND2414	Kitchen and Bath Design II	3
BCT2949	Cooperative Education Experience in Construction OR	1
IND2949	Cooperative Education Experience in Interior Design	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 39

Marketing, Sales and Service - Entrepreneurship, A.S. Certificate

Program Information

A.S. Certificate - Code 081700 - Catalog 2019/2020

Jackson Musyimi, Assistant Chair, 386-506-3261, Jackson.Musyimi@daytonastate.edu
Diana-Joy Colarusso, 386-506-3603, DianaJoy.Colarusso@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Marketing, Sales, and Service - Entrepreneurship Certificate Program is to prepare students for entry-level employment in a marketing-related field through innovative curriculum that emphasizes student success, promotes diversity, and provides the fundamental concepts, knowledge and skills needed to meet local industry needs.

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.

Some credits earned in this program may be applied toward the Business Operations Certificate - 091300 (p. 135), Business Management Certificate - 091600 (p. 133) or AS degree in Business Administration - 205900 (p. 165). 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.

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.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

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 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.

Approximate Additional Costs

Program Tuition and Fees*: $1,229
Access Fee: $13.44 ($1.12 per credit)
Assessment Fee: $34
Textbook Estimate: $400

*In-state tuition only; out-of-state tuition will be higher.

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. For additional career information, please
see: https://www.onetonline.org/link/summary/11-1021.00.

Program Length: The typical length of this program is one (1) semester (15 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 94%.

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

MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Business Elective Choose Two (6 credits)

MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MAR2720	Digital Marketing in Business	3

Sample Program of Study

1st Semester

MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Business Elective Choose Two (6 credits)

MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MNA2161	Customer Service Management	3
MKA2021	Building Selling Relationships	3
MAR2720	Digital Marketing in Business	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 12

Medical Information Coder Biller (Limited Access Program), A.S. Certificate

Program Information

A.S. Certificate - Code 091200 - Catalog 2019/2020

Linda Moss, Assistant Chair, 386-506-3756,
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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 alphanumeric 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. The Medical Information Coder Biller AS Certificate is fully embedded in the AS Degree Health Information Technology Program (p. 201).

Outcomes:

Graduates of the program will be able to:

1. Demonstrate appropriate communication skills in verbal and written tasks in a health care office environment
2. Accurately code and bill in an outpatient setting by analyzing medical data, including problem solving complex medical data scenarios with a high degree of accuracy.
3. Identify and evaluate information in the electronic medical record by effectively navigating the system.
4. Function as a valuable member of a quality healthcare team.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $3,788
Access Fee: $41.44 ($1.12 per credit)
Assessment Fee: $34
Lab Fees (including liability insurance): $100
Textbook Estimate: $500
FDLE/FBI Background Screening: $90

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- This is a limited access program.
- 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).
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- Completion of the following course with a grade of 'C' or better is required for continuing enrollment approval: HSC1531 (Medical Terminology).
- A physical examination is required prior to entering the clinical setting.

Additional Completion 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 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.
- To be eligible for continuing enrollment, the student must qualify for ENC1101 (Introduction to Composition). The student must show successful completion of MAT0028C (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.

- All courses must be completed with a 'C' or better. Program specific courses must have been completed within one year and evaluated by the assistant chair. All other substitutions must be approved by the Assistant Chair.
- Students will be held accountable for the policies and procedures of the Medical Information Coder/Biller program as outlined in the Health Information Technology and Coder/Biller student handbook, as well as the College Student handbook.

Careers

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 Length: The typical length of this program is three (3) semesters (45 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 82%.

Job titles for this certificate are Medical Coder and Medical Biller.

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

General Education Core - 6 Credits

Communication Core (3 credits)

ENC1101	Introduction to Composition	3

Natural Sciences Core (3 credits)

BSC1020	Human Biology	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program Specific Courses require a "C" or better.

HSC1531	Medical Terminology	4
HIM1000C	Introduction to Health Information Management and Lab	3
HIM1222C	Beginning ICD-10-CM Coding and Lab	4
HIM1273	Billing and Reimbursement Methods	2
HIM2012	Legal Aspects of Health Records	2
HIM2253C	Beginning CPT Coding and Lab	3
HIM2283C	Advanced CPT Coding and Lab	3
HIM2430	Concepts of Diseases	4
HIM2442	Pharmacology and Lab	1
HIM2400	Health Records in Alternate Settings	2
HIM2652	Electronic Health Record	2
HIM2800	Coding Professional Practice Experience I	1

Sample Program of Study

Prerequisite Course

HSC1531	Medical Terminology	4

1st Semester

ENC1101	Introduction to Composition	3
BSC1020	Human Biology	3
HIM1000C	Introduction to Health Information Management and Lab	3
HIM1222C	Beginning ICD-10-CM Coding and Lab	4
HIM2430	Concepts of Diseases	4

2nd Semester

HIM2442	Pharmacology and Lab	1
HIM2253C	Beginning CPT Coding and Lab	3
HIM1273	Billing and Reimbursement Methods	2

3rd Semester

HIM2652	Electronic Health Record	2
HIM2283C	Advanced CPT Coding and Lab	3
HIM2012	Legal Aspects of Health Records	2
HIM2400	Health Records in Alternate Settings	2
HIM2800	Coding Professional Practice Experience I	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 37

Network Server Administration, A.S. Certificate

Program Information

A.S. Certificate - Code 090400 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155,
Anindya.Paul@daytonastate.edu
Timothy Pintello, Assistant Chair, 386-506-4126,
Timothy.Pintello@daytonastate.edu

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 Administration 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 including Computer Information Technology, Computer Engineering Technology and Electronics Engineering Technology.

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $2,457
Access Fee: $26.88 ($1.12 per credit)
Assessment Fee: $34
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

• Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information, please see:

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

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 91%.

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

CTS2306	Microsoft Windows Professional	3
CIS2350	Principles of Information Assurance	3
CET1600	Network Plus	3
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3
EGS1000	Professional Performance for Technicians	3
CTS2328	Managing and Maintaining a Windows Network Environment	3

Computer Elective (Choose 6 credit hours)

CTS2370	Virtualization Infrastructure: Installation and Configuration	3
CET2660	Fundamentals of Network Security	3
CIS2381	Foundations of Digital Forensics	3
CNT2402	Certified Ethical Hacker	3
CTS2310	Designing Windows Network Security	3
CTS2321	Linux Fundamentals	3

Sample Program of Study

1st Semester

CIS2350	Principles of Information Assurance	3
EGS1000	Professional Performance for Technicians	3
CTS2306	Microsoft Windows Professional	3
CET1600	Network Plus	3

2nd Semester

CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3
CTS2328	Managing and Maintaining a Windows Network Environment	3
	Elective	3
	Elective	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 24

Office Management, A.S. Certificate

Program Information

A.S. Certificate - Code 091400 - Catalog 2019/2020

Linda Cupick, Assistant Chair, 386-506-3511, Linda.Cupick@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Office Management Certificate Program is to prepare students through the use of an innovative curriculum that promotes student success for entry-level office management positions in customer relations, office support, and records management meeting local industry needs.

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.

Credits earned in this certificate may be applied toward the 092600 Office Support (Technical Certificate) (p. 154) and the 222900 AS Office Administration (p. 224). The 092600 certificate can be earned in the first semester. See the sample program of study.

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship.

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.

Approximate Additional Costs

Program Tuition and Fees*:	$2,764
Access Fee:	$30.24 ($1.12 per credit)
Assessment Fee:	$34
Textbook Estimate:	$1,200

*In-state tuition only; out-of-state tuition will be higher.

Careers

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 Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 97%.

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

Program Specific Courses require a "C" or better.

ISM2000	Business Information Processing	3
MNA2161	Customer Service Management	3
OST1100	Keyboarding and Formatting I	3
OST1110	Keyboarding and Formatting II	3
OST1330	Business English	3
OST2336	Business Communications	3
OST2401	Basic Office Procedures	3

OST2501	Office Management	3
OST2713	Advanced Computer Software Applications	3

Sample Program of Study

1st Semester

ISM2000	Business Information Processing	3
OST1100	Keyboarding and Formatting I	3
OST1330	Business English	3
OST2401	Basic Office Procedures	3

2nd Semester

MNA2161	Customer Service Management	3
OST1110	Keyboarding and Formatting II	3
OST2336	Business Communications	3
OST2501	Office Management	3
OST2713	Advanced Computer Software Applications	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 27

Notes

Upon completion of the first semester recommended sample program of study, students are eligible to apply for certificate 092600.

Office Support (Technical Certificate), A.S. Certificate

Program Information

A.S. Certificate - Code 092600 - Catalog 2019/2020

Linda Cupick, Assistant Chair, 386-506-3511, Linda.Cupick@daytonastate.edu
Diane Farrow, 386-506-3799, Diane.Farrow@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Office Support Certificate Program is to prepare students for entry-level employment in a variety of office settings using an innovative curriculum which emphasizes student success and meets local industry needs.

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.

This certificate is embedded in the following AS certificates: Office Management - 091400 (p. 153); and the AS degree in Office Administration - 222900 (p. 224). This certificate is the basis for continuing education.

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.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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.

Approximate Additional Costs

Program Tuition and Fees*: $1,229
Access Fee: $13.44 ($1.12 per credit)
Assessment Fee: $34

*In-state tuition only; out-of-state tuition will be higher.

Careers

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: https://www.onetonline.org/link/summary/43-6011.00.

Program Length: The typical length of this program is one (1) semester (15 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 98%.

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

Program Specific Courses require a "C" or better.

ISM2000	Business Information Processing	3
OST1100	Keyboarding and Formatting I	3
OST1330	Business English	3
OST2401	Basic Office Procedures	3

Sample Program of Study

ISM2000	Business Information Processing	3
OST1100	Keyboarding and Formatting I	3
OST1330	Business English	3
OST2401	Basic Office Procedures	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 12

Paramedic (Limited Access Program), A.S. Certificate

Program Information

A.S. Certificate - Code 095700 - Catalog 2019/2020

Teresa Campbell, Senior Staff Assistant, 386-506-4122, Teresa.Campbell@daytonastate.edu
David McCallister, Assistant Chair, 386-506-4177, David.McCallister@daytonastate.edu
Sheila Ellison, Director, 386-506-4201, Sheila.Ellison@daytonastate.edu

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 practices 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 have proof of completion of an Emergency Medical Technician (EMT) course. Florida certification as an EMT must be obtained prior to the second semester of the program. Credits earned in this program may be counted towards the Emergency Medical Services AS degree (p. 192).

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 set forth in Florida Statute 401. The Daytona State College EMS Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). CCAAHEP may be contacted at 25400 US Highway 19 North, Suite 158, Clearwater, Florida, 33763, (727) 210-2350 or www.caahep.org. CoAEMSP may be contacted at 8301 Lakeview Parkway, Suite 111-312, Rowlett, Texas, 75088, (214)703-8445 or www.coaemsp.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:

1. Exhibit effective communication within the Paramedic profession.

2. Demonstrate professional behaviors consistent with the expectations for entry level Paramedic provider.

3. Demonstrate safe practices within the Paramedic profession.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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 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.

Approximate Additional Costs

Program Tuition and Fees*: $4,300
Access Fee: $47.04 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: Semester One ($225); Semester Two ($160);
                                   Semester Three ($175); Semester Four (Field Internship - $160)

Uniforms: $200 Entire Year
Textbooks/Equipment: $550 Entire Year
Criminal Background Check and Drug Screen: $117.25

* In-state tuition listed; out-of-state tuition will be higher.

Additional Admission Requirements

• Completion of the EMS Application.
• Attending the mandatory EMS Orientation.:
   • Satisfactory results of a Florida Department of Law Enforcement and FBI background check.
   • Students will be required to wear uniforms.
   • Students will be held accountable for the policies and procedures of the Paramedic Program as outlined in the EMS student policy/rule book, as well as those outlines in the Daytona State 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. For additional career information, please

see: http://www.onetonline.org/link/summary/29-2041.00.

Program Length: The typical length of this program is three (3) semesters (36 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 56%.

Paramedic 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

EMS2603C	Paramedic I and Lab	13
EMS2666	Paramedic Clinical I	1
EMS2604C	Paramedic II and Lab	12
EMS2667	Paramedic Clinical II	2
EMS2605C	Paramedic III and Lab	11
EMS2659	Paramedic Field Internship	3

Sample Program of Study

1st Semester

EMS2603C	Paramedic I and Lab	13

2nd Semester

EMS2666	Paramedic Clinical I	1
EMS2604C	Paramedic II and Lab	12

3rd Semester

EMS2667	Paramedic Clinical II	2
EMS2605C	Paramedic III and Lab	11

4th Semester

EMS2659	Paramedic Field Internship	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 42

Notes

In order to take this program of study, students must already be a state-certified Florida EMT in good standing. Credits earned at another accredited institution may be eligible for transfer to Daytona State College, if the student possesses a current National Registry EMT license. Credits earned in this program may be counted in the Emergency Medical Services AS degree.

Television Studio Production, A.S. Certificate

Program Information

A.S. Certificate - Code 097900 - Catalog 2019/2020

Anita Bevins, Associate Professor, 386-506-3936, Anita.Bevins@daytonastate.edu
Program Office, 386-506-4227, BASinfo@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Television Studio Production Certificate is to provide students with a working knowledge of principles necessary for successful entry into the field of television and video production.

Description:

The Television Studio Production Certificate program is a College Credit Certificate consisting of 12-hours of certificate courses in the area of television studio production. Students will have an opportunity to learn video production skills in the college's professional television station, WDSC-TV 15, during a succession of three courses. Each of these courses includes a lab component, bringing the college credit hours to four for each course. The certificate courses will also satisfy 12 of the 18-hour, lower division occupational/technical track required by the Bachelor of Applied Science in Supervision and Management 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.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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 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.

Approximate Additional Costs

Program Tuition and Fees*: $1,229
Access Fee: $13.44 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $14
Textbook Estimate: $115

*In-state tuition only; out-of-state tuition will be higher.

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. For additional career information, please see: http://www.onetonline.org/find/quick?s=television+production.

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 (2016-17) for this field at 85%.

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

RTV1000C	Fundamentals of Broadcast Production and Lab	4
RTV1510C	Studio Television Production and Lab	4
RTV2541C	Team Media Production and Lab	4

Sample Program of Study

1st Semester

| RTV1000C | Fundamentals of Broadcast Production and Lab | 4 |

2nd Semester

| RTV1510C | Studio Television Production and Lab | 4 |

3rd Semester

| RTV2541C | Team Media Production and Lab | 4 |

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 12

Notes

Credits earned in this certificate may be applied toward lower division Occupational/Technical requirements for the Bachelor of Applied Science in Supervision and Management degree.

Web Development Specialist, A.S. Certificate

Program Information

A.S. Certificate - Code 090900 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Luke Sui, Assistant Chair, Luke.Sui@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. Some of the program courses could be applied toward AS degrees in Computer Information Technology (p. 170), Computer Programming and Analysis (p. 172), and Computer Engineering Technology (p. 167).

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship.

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.

Approximate Additional Costs

Program Tuition and Fees*:	$3,583
Access Fee:	$39.20 ($1.12 per credit)
Assessment Fee:	$34
Lab Fees:	$45
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

• Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

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. For additional career information, please see: http://www.onetonline.org/link/summary/15-1099.04.

Program Length: The typical length of this program is three (3) semesters (45 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 71%.

Jobs titles for this certificate are Web Developers.

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

DIG2100	Web Design I	3
CET2154	A+ Computer Repair	4
CET1600	Network Plus	3
DIG1109	Digital Imaging Fundamentals	3
CTS1851	Internet Web Foundations (HTML, CSS)	3
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3
COP2700	Introduction to Database Management	3
COP1000	Principles of Computer Programming	3
CEN2002	Software Design and Development I	3
COP2842	Web Scripting (PHP)	3
EGS1000	Professional Performance for Technicians	3
CIS2949	Cooperative Education Experience in Computer and Information Systems	1

Sample Program of Study

1st Semester

CET2154	A+ Computer Repair	4
COP1000	Principles of Computer Programming	3
DIG1109	Digital Imaging Fundamentals	3
CTS1851	Internet Web Foundations (HTML, CSS)	3

2nd Semester

CET1600	Network Plus	3
COP2700	Introduction to Database Management	3
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3
EGS1000	Professional Performance for Technicians	3

3rd Semester

DIG2100	Web Design I	3

CEN2002	Software Design and Development I	3
COP2842	Web Scripting (PHP)	3
CIS2949	Cooperative Education Experience in Computer and Information Systems	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 35

A.S. Degree

Accounting Technology, A.S. Degree

Program Information

A.S. Degree - Code 208400 - Catalog 2019/2020

Jackson Musyimi, Assistant Chair, 386-506-3261,
Jackson.Musyimi@daytonastate.edu
John Fortner, 386-506-3990,
John.Fortner@daytonastate.edu
School of Business Admin., 386-506-4227

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.

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 093500 and 094300 certificates.

AS Certificates That Lead To This Degree:

The following AS Certificates are embedded within this degree: Accounting Technology Operations - 093500 (p. 125) ; Accounting Technology Management - 094300 (p. 124). 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

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

General Educational Core - 21 Credits

Communication (9 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics (3 credits)

| MGF2106 | Survey in Mathematics | 3 |

	OR	
MGF2107	Mathematics for Liberal Arts	3
	OR	
MAC1105	College Algebra	3

Social Sciences (3 credits)

ECO2013	Principles of Macroeconomics	3
	OR	
ECO2023	Principles of Microeconomics	3

Humanities (3 credits)

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Cultural/Global Focus (3 credits)

GEB2351	International Business	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program Specific Courses require a "C" or better.

ACG2021	Principles of Financial Accounting	3
ACG2071	Principles of Managerial Accounting	3
APA1111	Office Accounting I	3
APA1121	Office Accounting II	3
APA1711	Computerized Spreadsheet	3
BUL2241	Business Law I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3
GEB1011	Introduction to Business	3
GEB2430	Ethics and Social Responsibility	3
ISM2000	Business Information Processing	3
QMB1001	Business Math	3
TAX2000	Personal Income Tax	3

ACG2021, APA1111, APA1121, APA1711, FIN1100, FIN2000, ISM2000, QMB1001, TAX2000: Course counts toward the following certificates: Accounting Technology Operations (Code 093500) or Accounting Technology Management (Code: 094300). Upon completion of this degree program, students are eligible to apply for both certificates 093500 and 094300.

Sample Program of Study

Year 1

1st Semester

APA1111	Office Accounting I	3
QMB1001	Business Math	3
ENC1101	Introduction to Composition	3
GEB1011	Introduction to Business	3
ISM2000	Business Information Processing	3

2nd Semester

ACG2021	Principles of Financial Accounting	3
APA1121	Office Accounting II	3
APA1711	Computerized Spreadsheet	3
ENC1102	Writing with Research	3
MGF2106	Survey in Mathematics	3
	OR	
MGF2107	Mathematics for Liberal Arts	3
	OR	
MAC1105	College Algebra	3

Summer Semester

GEB2351	International Business	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Year 2

1st Semester

ACG2071	Principles of Managerial Accounting	3
FIN2000	Principles of Finance	3
GEB2430	Ethics and Social Responsibility	3
ECO2013	Principles of Macroeconomics	3

2nd Semester

	Humanities Core	3
TAX2000	Personal Income Tax	3
FIN1100	Personal Financial Planning	3
BUL2241	Business Law I	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Architectural and Building Technology, A.S. Degree

Program Information

A.S. Degree - Code 221900 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Deborah Kirkland, Assistant Chair, 386-506-4158, Deborah.Kirkland@daytonaState.edu

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. Execute architectural drawings and specifications.
2. Communicate effectively through written and verbal means.
3. Apply laws, building codes, ADA standards, and regulations to contract documents.
4. Identify tools, equipment, materials, and processes used in the building and construction field.
5. Explain sustainability issues related to the design, construction, and maintenance of the built environment.
6. Identify means to plan, coordinate, schedule, and control construction projects.
7. Estimate costs and take off quantities.
8. Demonstrate an understanding of entrepreneurship and employability skills.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

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

General Education Core - 15 Credits

Communication Core (6 credits)

ENC1101	Introduction to Composition	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 credits)

Choose One Course

MGF2106	Survey in Mathematics	3
MAC1105	College Algebra	3
STA2023	Elementary Statistics	3

Social Sciences Core (3 credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits)

Choose One Course

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
DAN1100	Dance Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL1010	Music Appreciation	3
MUL2380	Popular Music in America	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

BCN1210	Materials and Processes	3
BCN1251C	Architectural Drawing I and Lab	3
BCN1253C	Architectural Drawing II and Lab	3
ETG2520	Statics and Strength of Materials	3
BCT1040	Blueprint Reading	3
ETC2207C	Construction Planning and Estimating and Lab	3
ETC2245	Construction Methods	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2540C	Civil Drafting and Surveying (CAD) and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab OR	3
ETD2395C	Architectural CAD and Lab	3
EGN1111C	Engineering Drawing and Lab	3
IND1935	Building and Barrier Free Codes	3
BCN2049	Sustainable Design & Construction	3
IND2500	Professional Practices for the Design Industry	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
BCN1210	Materials and Processes	3
BCN1251C	Architectural Drawing I and Lab	3
	Social Sciences Core	3
EGN1111C	Engineering Drawing and Lab	3

2nd Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
BCT1040	Blueprint Reading	3
BCN1253C	Architectural Drawing II and Lab	3

ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
BCN2049	Sustainable Design & Construction	3

Summer Semester

	Humanities Core	3
	Mathematics Core	3

Year 2

1st Semester

ETC2207C	Construction Planning and Estimating and Lab	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2540C	Civil Drafting and Surveying (CAD) and Lab	3
IND1935	Building and Barrier Free Codes	3
	Elective	3

2nd Semester

ETC2245	Construction Methods	3
ETD2390C	Introduction to Revit Architecture and Lab OR	3
ETD2395C	Architectural CAD and Lab	3
ETG2520	Statics and Strength of Materials	3
IND2500	Professional Practices for the Design Industry	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Broadcast TV Production, A.S. Degree

Program Information

A.S. Degree - Code 223300 - Catalog 2019/2020

Anita Bevins, Associate Professor, 386-506-3936, Anita.Bevins@DaytonaState.edu
Program Office, 386-506-4227, BASinfo@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Broadcast Television Production program is to prepare students for employment as television and video production personnel. The program offers a specialization in Broadcast Television and Media

Production stressing academic knowledge, problem-solving skills, work ethics, and specific occupational skills.

Description:

The Broadcast Television Production A.S. stresses a comprehensive understanding and demonstration of video production skills including studio and remote live productions, as well as recorded field productions.

A.S. Certificates that Lead to this Degree:

The following A.S. Certificates are embedded within this degree: Broadcast Production - Code 082400 (p. 132) (24 Semester Hours); Television Studio Production - Code 097900 (p. 157) (12 Semester Hours). You may pursue the A.S. degree and also earn the A.S. certificates while completing the requirements for the degree, or pursue the A.S. 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 effective written and oral communication skills.
2. Develop and produce a TV or video based project.
3. Direct a TV production, video production, or webcast.
4. Create a marketing and distribution plan.
5. Demonstrate team skills.
6. Operate studio and field video cameras.
7. Demonstrate knowledge of appropriate industry laws, regulations, trade terminology, and ethical practices.
8. Design and generate graphic elements.
9. Plan a production set and acquire appropriate production resources.
10. Create appropriate lighting for location and/or set productions.
11. Record, mix, and edit audio resources.
12. Operate control room equipment.
13. Organize and edit video resources.
14. Demonstrate safe and efficient work practices.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

General Education Courses

General Education Core - 15 Credits

Communications Core (3 credits)

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics	3

MGF2106: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences Core (6 credits)

PSY1012	General Psychology	3
GEB2430	Ethics and Social Responsibility	3

Humanities Core (3 credits)

HUM2020	Introduction to Humanities OR	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

GRA1543	Graphic Design Studio	3
PGY1800	Photography and Image Making	4
PGY2750	Introduction to Video Production	4
RTV1000C	Fundamentals of Broadcast Production and Lab	4
RTV1510C	Studio Television Production and Lab	4
RTV1670	Television Directing	3
RTV2241	Producing for Television	3
RTV2540	Workshop in Studio Production	3
RTV2534	Electronic Field Production	3
RTV2541C	Team Media Production and Lab	4
RTV2600C	Acting for the Lens and Camera and Lab	3
RTV2290	Selected Topics in Remote Sports Production	3
RTV2940	Practicum for Television Broadcasting	4

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
GEB2430	Ethics and Social Responsibility	3
PGY1800	Photography and Image Making	4
RTV1000C	Fundamentals of Broadcast Production and Lab	4
MGF2106	Survey in Mathematics	3

2nd Semester

PGY2750	Introduction to Video Production	4
RTV1510C	Studio Television Production and Lab	4
RTV1670	Television Directing	3
GRA1543	Graphic Design Studio	3

MGF2106: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Year 2

1st Semester

PSY1012	General Psychology	3
RTV2241	Producing for Television	3
RTV2540	Workshop in Studio Production	3
RTV2534	Electronic Field Production	3
RTV2290	Selected Topics in Remote Sports Production	3

2nd Semester

HUM2020	Introduction to Humanities OR	3
THE1000	Theatre Appreciation	3
RTV2541C	Team Media Production and Lab	4
RTV2600C	Acting for the Lens and Camera and Lab	3
RTV2940	Practicum for Television Broadcasting	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Business Administration, A.S. Degree

Program Information

A.S. Degree - Code 205900 - Catalog 2019/2020

Jackson Musyimi, Assistant Chair, 386-506-3261, Jackson.Musyimi@daytonastate.edu
John Weiss, 386-506-3792, John.Weiss@daytonastate.edu

School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Business Administration A.S. degree program is to prepare students for entry-level employment in management or administration through innovative curriculum that emphasizes student success, promotes diversity, and provides the fundamental concepts, knowledge, and skills needed to meet local industry needs.

Description:

This 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.

The program also provides a specialization in Risk Management & Insurance that prepares students for entry-level jobs in the insurance industry. Students who have successfully completed the A.S. program with the three (3) insurance course sequence will qualify for an exam waiver for the 2-15 Health and Life, 4-40 Customer Representative, and the 20-44 Personal Lines licenses.

Note: Please review the State of Florida statutes on insurance licensing prior to enrollment.

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.

AS Certificates That Lead To This Degree:

The following AS Certificates are embedded within this degree: Business Management - 091600 (p. 133); Business Operations - Entrepreneurship - 091300 (p. 135). 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 ethical concerns through social responsibility.
3. Explain how economic theories impact businesses and consumers.

4. Apply business related theories to problems, cases, or research papers.
5. Create business documentation using appropriate software.
6. Prepare financial information for management-related decisions.
7. Formulate a company marketing plan using marketing concepts.
8. Develop a business plan for a new business venture.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

General Education Courses

General Education Core - 24 Credits

Communication (9 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics (6 credits)

Choose Two Courses

MGF2106	Survey in Mathematics	3
MGF2107	Mathematics for Liberal Arts	3
MAC1105	College Algebra	3
STA2023	Elementary Statistics	3

MAC1105, STA2023: 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.

Humanities (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Social Science (6 Credits)

Choose Two Courses

ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program Specific courses require a "C" or better.

ACG2021	Principles of Financial Accounting	3
ACG2071	Principles of Managerial Accounting	3
BUL2241	Business Law I	3
GEB1011	Introduction to Business	3
GEB2430	Ethics and Social Responsibility	3
ISM2000	Business Information Processing	3
MAN2021	Principles of Management	3
MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

ISM2000: Will utilize the latest Microsoft Suite as designated by the course syllabus.

Accounting or Finance Elective (3 credits)

Choose One Course

APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3

Business Elective (6 credits)

Choose Two Courses

GEB2351	International Business	3
MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing in Business	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MNA2345	Supervision of Personnel	3
QMB1001	Business Math	3

Risk Management & Insurance Elective (9 credits)

Choose All Courses

RMI2001	Principles of Risk Management and Insurance	3
RMI2110	Personal Insurance Planning	3
RMI2212	Personal and Business	3

Property Insurance

RMI2001 (p. 436) is a pre-requisite for both RMI2110 (p. 436) and RMI2212 (p. 436).

Students seeking the Risk Management & Insurance specialization must take the three (3) RMI courses in lieu of the Accounting/Finance Elective courses and the Business Elective courses.

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
GEB1011	Introduction to Business	3
ISM2000	Business Information Processing AND	3
	Accounting or Finance Elective 3.00 OR	3
RMI2001	Principles of Risk Management and Insurance	3

Students seeking the Risk Management & Insurance specialization must take the three (3) RMI courses in lieu of the Accounting/Finance Elective course and the Business Elective courses.

2nd Semester

MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3
	First Math Core AND	3
	Business Elective (1 of 2) 3.00	3
	Business Elective (1 of 2) 3.00 OR	3
RMI2110	Personal Insurance Planning	3
RMI2212	Personal and Business Property Insurance	3

SBM2000: Will utilize the latest Microsoft Suite as designated by the course syllabus.

Students seeking the Risk Management & Insurance specialization must take the three (3) RMI courses in lieu of the Accounting/Finance Elective course and the Business Elective courses.

Summer Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
	Humanities Core	3

Year 2

1st Semester

ACG2021	Principles of Financial Accounting	3
ENC1102	Writing with Research	3
	Second Math Core	3
MAN2021	Principles of Management	3
ECO2013	Principles of Macroeconomics	3

2nd Semester

ACG2071	Principles of Managerial Accounting	3
ECO2023	Principles of Microeconomics	3
BUL2241	Business Law I	3
GEB2430	Ethics and Social Responsibility	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Notes

Upon completion of this degree, students are eligible to apply and receive both the 091300 Business Operations-Entrepreneurship and the 091600 Business Management Certificates.

*If the sample program of study is followed, students may earn certificate 091300 after completing two semesters.

Computer Engineering Technology, A.S. Degree

Program Information

A.S. Degree - Code 201300 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Mina El karmadi, Senior Staff Assistant, 386-506-4154, mina.elkarmadi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The program prepares individuals to assemble, install, operate, maintain, troubleshoot and repair electronic equipment used in industry. In addition, it also includes content related to the design, theory, and analysis of electronic systems and applications along with general electronics background. 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.

Students transferring into DSC's BSET, EET concentration should take the following classes to maximize their articulation transfer to the BS program: STA2023, MAC1140, and EGN2045 as Electives.

Students transferring into DSC's BSIT should take the following classes to maximize their articulation transfer to the BS program: CTS2321, MAC1140, MAC1114, and MAC2311C as Electives.

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 engineering technology.
8. Comprehend contemporary technological and societal issues and the impact of computer engineering technology on society in both a local and global context.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: $240 - $268
Textbook Estimate: Consult college bookstore for approximate costs of textbooks.
Other costs: A scientific calculator, computer repair tool kit (approx. $20), and soldering kit (approx. $20).

General Education Courses

General Education Core - 18 Credits

Communication Core (9 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 credits)

MAC1105	College Algebra	3

Natural Sciences Core (3 credits)

Choose One Course

AST1002	Astronomy	3
PHY1020	Energy and its Environmental Effects	3
CHM1020	Chemistry in Society	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
PHY1053C	General Physics I and Lab	4
EVR2001	Introduction to Environmental Science	3

BSC1005: For Non-Science Majors

Humanities Core (3 credits)

Choose One Course

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
HUM2210	Prehistory to Medieval	3

	Humanities	
HUM2230	Renaissance to Postmodern Humanities	3
LIT2120	Masterpieces of World Literature II	3
LIT2110	Masterpieces of World Literature I	3
MUL1010	Music Appreciation	3
MUL2380	Popular Music in America	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

CET1112C	Digital Fundamentals and Lab	4
CET1600	Network Plus	3
CET2123C	Microcomputer and Basic Digital Communications and Lab	4
CET2154	A+ Computer Repair	4
CET2949	Cooperative Education Experience in Computer Engineering Technology	1
COP1000	Principles of Computer Programming	3
EET1011C	Introduction to Electrical Circuits and Lab	3
EET1021C	Advanced Electrical Circuits and Lab	3
EET1141C	Analog Devices and Circuits and Lab	4
EET1607C	Electronics Assembly and Cabling and Lab	3
EGS1000	Professional Performance for Technicians	3
COP2360	C# Programming	3
	OR	
COP2800	Computer Programming Java	3

Computer Engineering Technology Electives (12 hrs)

	Elective	3
	Elective	3
	Elective	3
	Elective	3

Electives (Choose 12 hours from the list)

CAP1801	Simulation Fundamentals	3
CAP2023	Introduction to Game Programming	3
CTS2306	Microsoft Windows Professional	3
CET2660	Fundamentals of Network Security	3
CET2850	Wireless and Mobile Security	3
MAC1114	College Trigonometry	3
CGS2100	Microcomputer Applications	3
CTS2328	Managing and Maintaining a Windows Network Environment	3
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3
CIS2350	Principles of Information Assurance	3
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3
EET2142C	Analog Circuits and Basic Analog Communications and Lab	4
CTS2321	Linux Fundamentals	3
EGN2045	Engineering and Technology Calculus I	4
MAC2311C	Calculus I and Lab	4
MAC1140	Pre-Calculus Algebra	3
STA2023	Elementary Statistics	3

EET2142C, CTS2321: Students choosing a combination of three (3) and/or four (4) credit hour courses in their electives should add the remaining hours in coop education (CET 2949). Please see the chairperson if you have any questions.

Sample Program of Study

Year 1

1st Semester

	Mathematics Core	3
CET2154	A+ Computer Repair	4
EET1607C	Electronics Assembly and Cabling and Lab	3
CET1112C	Digital Fundamentals and Lab	4

Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

2nd Semester

EET1011C	Introduction to Electrical Circuits and Lab	3
COP1000	Principles of Computer Programming	3
ENC1101	Introduction to Composition	3
CET1600	Network Plus	3
EGS1000	Professional Performance for Technicians	3

Summer Semester

| | Humanities Core | 3 |
| | Social Sciences Core | 3 |

Year 2

1st Semester

EET1021C	Advanced Electrical Circuits and Lab	3
COP2360	C# Programming	3
	OR	
COP2800	Computer Programming Java	3
EET1141C	Analog Devices and Circuits and Lab	4
ENC1102	Writing with Research	3
	Elective	3

2nd Semester

CET2123C	Microcomputer and Basic Digital Communications and Lab	4
CET2949	Cooperative Education Experience in Computer Engineering Technology	1
	Elective	3
	Elective	3
	Elective	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 68

Computer Information Technology, A.S. Degree

Program Information

A.S. Degree - Code 206700 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Luke Sui, Assistant Chair, 386-506-4124, Luke.Sui@daytonastate.edu
Mina El karmadi, Senior Staff Assistant, 386-506-4154, Mina.Elkarmadi@daytonastate.edu

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+, Network+, MCP and MOS certifications.

Students transferring into DSC's BSIT should take the following classes to maximize their articulation transfer to the BS program: MAC1105 to satisfy Mathematics core; CTS2321, CET1112C and EET1011C as Electives.

AS Certificates That Lead To This Degree:

The Information Technology Analysis - 090300 (p. 145) AS Certificate is embedded within this degree. 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. 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: $45 - $76

Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

General Education Courses

General Education Core - 15 Credits

Communication Core (6 Credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics Core (3 Credits)

MGF2106	Survey in Mathematics	3
	OR	
MAC1105	College Algebra	3

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences Core (3 Credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 Credits)

Choose One Course

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
DAN1100	Dance Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL1010	Music Appreciation	3
MUL2380	Popular Music in America	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

DIG1109	Digital Imaging Fundamentals	3
CET2154	A+ Computer Repair	4
CET1600	Network Plus	3
COP2700	Introduction to Database Management	3
CTS1851	Internet Web Foundations (HTML, CSS)	3
CGS2100	Microcomputer Applications	3
COP1000	Principles of Computer Programming	3
CTS2214	Project Management w/Microsoft Project	3
COP2949	Cooperative Educational Experience in Computer Programming	1-4
EGS1000	Professional Performance for Technicians	3
CTS2306	Microsoft Windows Professional	3
CTS2328	Managing and Maintaining a Windows Network Environment	3
	Elective	3
	Elective	3
	Elective	3

COP2949 is a variable credit course (1-4 credits). The academic department has approved it for **2** credits in this program.

Computer Programming Elective

Choose Nine (9) hours:

CGS2512	Advanced Computer Spreadsheets and Graphics Presentations	3
CIS2350	Principles of Information Assurance	3
COP2842	Web Scripting (PHP)	3

CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3
CTS2321	Linux Fundamentals	3
COP2360	C# Programming	3
COP2800	Computer Programming Java	3
CAP2023	Introduction to Game Programming	3
CEN2002	Software Design and Development I	3
COP2654	IPhone/I Pad Programming	3
DIG2100	Web Design I	3
COP2660	Programming for Mobile Devices: Android	3
EET1011C	Introduction to Electrical Circuits and Lab	3
CET1112C	Digital Fundamentals and Lab	4

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
COP1000	Principles of Computer Programming	3
CGS2100	Microcomputer Applications	3
CET2154	A+ Computer Repair	4
EGS1000	Professional Performance for Technicians	3

Successful completers of CET2154 are eligible to take the test to become a CompTia A+ Hardware Professional.

2nd Semester

	Mathematics Core	3
DIG1109	Digital Imaging Fundamentals	3
SPC2608	Oral Communications/Research/Presentation Skills	3
CET1600	Network Plus	3
CTS1851	Internet Web Foundations (HTML, CSS)	3

Successful completers of CET1600 are eligible to take the test to become a Network Plus Professional.

Summer Semester

	Humanities Core	3

Year 2

1st Semester

CTS2214	Project Management w/Microsoft Project	3

COP2700	Introduction to Database Management	3
	Elective	3
CTS2306	Microsoft Windows Professional	3
	Social Sciences Core	3

Successful completers of CTS2306 are eligible to take the test to become a Microsoft Certified Professional.

2nd Semester

CTS2328	Managing and Maintaining a Windows Network Environment	3
	Elective	3
COP2949	Cooperative Educational Experience in Computer Programming	1-4
	Elective	3

*COP2949 is a variable credit course (1-4 credits). The academic department has approved it for **2** credits in this program.*

Subtotal: 60

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

Computer Programming and Analysis (Software Engineering Technology), A.S. Degree

Program Information

A.S. Degree - Code 204700 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Luke Sui, Assistant Chair, 386-506-4124, Luke.Sui@daytonastate.edu
Mina El Karmadi, Senior Staff Assistant, 386-506-4154, Mina.Elkarmadi@daytonastate.edu

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.

Students transferring into DSC's BSIT should take the following classes to maximize their articulation transfer to the BS program: MAC1105 to satisfy Mathematics core; CTS2321, CET1112C and EET1011C as Electives.

AS Certificate That Leads To This Degree:

The Computer Programming - 093800 (p. 136) AS Certificate is embedded within this degree. 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: *$20 - $51*

Textbook Estimate: *Consult college bookstore for approximate costs of textbooks.*

General Education Courses

General Education Core - 15 Credits

Communication Core (6 credits)

ENC1101	Introduction to Composition	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 Credits)

MGF2106	Survey in Mathematics	3
	OR	
MAC1105	College Algebra	3

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences Core (3 credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits)

Choose One Course

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL1010	Music Appreciation	3

| MUL2380 | Popular Music in America | 3 |
| THE1000 | Theatre Appreciation | 3 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

CET2154	A+ Computer Repair	4
COP2360	C# Programming	3
CET1600	Network Plus	3
COP1000	Principles of Computer Programming	3
COP2654	IPhone/I Pad Programming OR	3
COP2660	Programming for Mobile Devices: Android	3
COP2800	Computer Programming Java	3
CTS1851	Internet Web Foundations (HTML, CSS)	3
COP2700	Introduction to Database Management	3
COP2949	Cooperative Educational Experience in Computer Programming	1-4
EGS1000	Professional Performance for Technicians	3
CEN2002	Software Design and Development I	3
COP2842	Web Scripting (PHP)	3

COP2949 is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this program.

Computer Elective (9) hours

	Computer Elective	3
	Computer Elective	3
	Computer Elective	3

Computer Elective (9 hrs)-Choose From:

CTS2321	Linux Fundamentals	3
CIS2350	Principles of Information Assurance	3
CTS2214	Project Management w/Microsoft Project	3
CET2660	Fundamentals of Network Security	3
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3
DIG2100	Web Design I	3
CAP2023	Introduction to Game Programming	3
CGS2100	Microcomputer Applications	3

CTS2431C	Data Organization and Management and Lab	3
EET1011C	Introduction to Electrical Circuits and Lab	3
CET1112C	Digital Fundamentals and Lab	4

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
CET2154	A+ Computer Repair	4
EGS1000	Professional Performance for Technicians	3
COP1000	Principles of Computer Programming	3
CTS1851	Internet Web Foundations (HTML, CSS)	3

2nd Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
	Mathematics Core	3
COP2700	Introduction to Database Management	3
CET1600	Network Plus	3
COP2360	C# Programming	3

Summer Semester

| | Humanities Core | 3 |

Year 2

1st Semester

	Social Sciences Core	3
COP2800	Computer Programming Java	3
COP2842	Web Scripting (PHP)	3
	Computer Elective	3

2nd Semester

COP2949	Cooperative Educational Experience in Computer Programming	1-4
	Computer Elective	3
	Computer Elective	3
COP2654	IPhone/I Pad Programming OR	3
COP2660	Programming for Mobile Devices: Android	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Notes

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

Criminal Justice Technology Bridge (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 203900 - Catalog 2019/2020

Beth Rafferty, Senior Staff Assistant, 386-506-4202, Elizabeth.Rafferty@daytonastate.edu
Sheila Ellison, Director, 386-506-4201, Sheila.Ellison@daytonastate.edu

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 in Criminal Justice Technology Bridge that will prepare officers for promotion to a supervisory capacity or assignment to specialized units within their agencies. This program meets the qualifications for Florida salary incentives. Those who have successfully completed the Florida Department of Law Enforcement (FDLE) Law Enforcement or Correctional Academy in Florida and passed the State Officer Certification Exam (SOCE) are eligible to transfer their vocational credit earned in the academy to college credit and apply that credit to their CJ Technology Bridge degree. Credits earned at other colleges may be transferred to Daytona State College for consideration for transfer credit. Students can take college courses and the academy in any order, understanding that the academy and state exam are an integral part of the degree.

Outcomes:

Graduates of the program will be able to:

1. Exhibit effective communication within the field of Criminal Justice.
2. Exhibit professional behaviors within the field of Criminal Justice.
3. Exhibit cultural appropriately behavior within the field of Criminal Justice.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Students should contact the Criminal Justice Training Center for approximate costs of lab fees and textbooks.

General Education Courses

General Education Core - 15 Credits

Communication Core (9 Credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 Credits)

MGF2106	Survey in Mathematics	3
	OR	
MGF2107	Mathematics for Liberal Arts	3
	OR	
MAC1105	College Algebra	3

Social Sciences Core (3 Credits)

PSY1012	General Psychology	3
	OR	
SYG2000	Introduction to Sociology	3

Humanities Core (3 Credits)

Choose One Course

HUM2020	Introduction to Humanities	3
ARH1000	Art Appreciation	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

| CCJ1010 | Introduction to Criminology | 3 |
| CCJ1020 | Introduction to Criminal | 3 |

	Justice	
CJC1000	Introduction to Corrections	3
CJJ2002	Juvenile Delinquency	3

Criminal Justice Electives (Choose 2)

CCJ1080	Introduction to Criminal Forensic Studies	3
CCJ2647	Organized Crime	3
CCJ2650	Drugs, Alcohol and Crime	3
CCJ2930	Selected Topics in Criminal Justice	3
CJE1670	Crime Scene Investigation	3
CJE2304	Introduction to Police Supervision	3
CJT2100	Criminal Investigation	3

Specializations

Advanced Standing Courses

CJD2990 will appear on a student's transcript when vocational credits have been articulated to college credit. Students cannot register for CJD2990.

| CJD2990 | Criminal Justice Bridge Transition | 24 |

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
MGF2106	Survey in Mathematics OR	3
MGF2107	Mathematics for Liberal Arts OR	3
MAC1105	College Algebra	3
CCJ1010	Introduction to Criminology	3
CJC1000	Introduction to Corrections	3

2nd Semester

	Humanities Core	3
	Criminal Justice Elective	3
CCJ1020	Introduction to Criminal Justice	3

3rd Semester

PSY1012	General Psychology OR	3
SYG2000	Introduction to Sociology	3
	Criminal Justice Elective	3
CJJ2002	Juvenile Delinquency	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Culinary Management, A.S. Degree

Program Information

A.S. Degree - Code 222600 - Catalog 2019/2020

Costa Magoulas, Dean, 386-506-3578, Costa.Magoulas@daytonastate.edu
Lisa Allen, Program Advisor, 386-506-3946, Lisa.Allen@daytonastate.edu

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.

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.

AS Certificate That Leads To This Degree:

The following AS Certificate is embedded within this degree: Culinary Arts - 081900 (p. 139). You may pursue the AS degree in Culinary Management and also earn the Culinary Arts certificate while completing the requirements for the degree along with completing 3 additional courses: HUN1203, LIS2004 and OST1141. Contact your faculty or academic advisor for details and course options.

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. Prepare and discuss dishes reflective of a variety of cuisines, both international and domestic.
6. Demonstrate basic professional food preparation in an organized manner.
7. Identify and utilize food service equipment and tools.
8. Prepare complex contemporary recipes for table and banquet service and demonstrate contemporary plating techniques.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees charged for each Food Production Course for food costs: $150

Uniforms: $75

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

General Education Core - 15 Credits

Communication Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics or Natural Sciences Core (3 credits)

Choose One Course

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
MGF2106	Survey in Mathematics	3
MGF2107	Mathematics for Liberal Arts	3
MAC1105	College Algebra	3

Social Sciences Core (3 credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits)

Choose One Course

AML2050	Modern American Literature	3
ARH1000	Art Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
LIT2110	Masterpieces of World Literature I	3
MUL1010	Music Appreciation	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

All Program Specific Courses require students to obtain a grade of "C" or better to meet graduation requirements.

FOS1201	Sanitation and Safety	3
FSS1063C	Baking and Lab	3
FSS1202C	Food Production I and Lab	3
FSS1222C	Food Production II and Lab	3
FSS1240C	Contemporary American Cuisine and Lab	3
FSS1242C	International Cuisine and lab	3
FSS1270	Introduction to Craft Beer and Wine	3
FSS2210C	Food Production III and lab	3
FSS2284C	Catering and Buffet Management and Lab	3
HFT1000	Introduction to Hospitality Industry	3
HFT1940C	Hospitality Practicum I (Basic) and Lab	3

HFT1941C	Hospitality Practicum II (Intermediate) and Lab	3
HFT2282	Hospitality Supervision	3
HFT2454	Hospitality Purchasing and Controls	3
HFT2942C	Hospitality Practicum III (Advanced) and Lab	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
FOS1201	Sanitation and Safety	3
FSS1202C	Food Production I and Lab	3
FSS1222C	Food Production II and Lab	3
HFT1000	Introduction to Hospitality Industry	3

2nd Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
	Natural Sciences or Mathematics Core	3
FSS1063C	Baking and Lab	3
FSS2284C	Catering and Buffet Management and Lab	3

Summer Semester

| HFT1940C | Hospitality Practicum I (Basic) and Lab | 3 |
| FSS1242C | International Cuisine and lab | 3 |

Year 2

1st Semester

	Social Sciences Core	3
FSS1240C	Contemporary American Cuisine and Lab	3
HFT2282	Hospitality Supervision	3
HFT2454	Hospitality Purchasing and Controls	3

2nd Semester

	Humanities Core	3
FSS1270	Introduction to Craft Beer and Wine	3
FSS2210C	Food Production III and lab	3
HFT1941C	Hospitality Practicum II (Intermediate) and Lab	3
HFT2942C	Hospitality Practicum III (Advanced) and Lab	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Database Technology, A.S. Degree

Program Information

A.S. Degree - Code 223400 - Catalog 2019/2020

Anindya Paul, Department Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
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Artina Coma, Senior Staff Assistant, 386-506-4154, Artina.Coma@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Database Technology Associate of Science degree program at Daytona State College (DSC) prepares students for employment in the database development industry starting from database design, database management, database tuning, database development, reporting and recovery.

Description:

This degree teaches students how to design, develop and maintain databases, craft business intelligence solutions, execute queries upon request and present information through reports and visualization.

Outcomes:

Graduates of the program will be able to:
1. Discuss fundamental database concept.
2. Apply conceptual design principles.
3. Create database design.
4. Define data definition language.
5. Apply Data Manipulation Language SQL (Structured Query Language) to extract data as required.
6. Create, maintain, and delete sequences, indexes and synonyms and other schema objects.
7. Demonstrate the ability to query the database and optimize information retrieval.
8. Prepare and present information through reports and visualization tool.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Program Tuition and Fees*: $6,143
Access Fee: $67.20 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $10
Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

*In-state tuition only; out-of-state tuition will be higher.

General Education Courses

General Education Core - 15 Credits

Communication Core (6 Credits)

ENC1101	Introduction to Composition	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 Credits)

MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra	3

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences Core (3 Credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 Credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

CET1600	Network Plus	3
CTS2361	SharePoint Users	3
COP1000	Principles of Computer Programming	3
CTS1851	Internet Web Foundations (HTML, CSS)	3
COP2700	Introduction to Database Management	3
CIS2350	Principles of Information Assurance	3
CTS2328	Managing and Maintaining a Windows Network Environment	3
COP2071	Querying Database	3
CTS2375	Essentials of Cloud Computing	3
CTS2441	Database Administration	3
COP2072	Reporting Services	3
	Computer Elective	3
CTS2450	Business Intelligence	3
CAP2741	Data Visualization	4
COP2949	Cooperative Educational Experience in Computer Programming	1-4

COP2949 is a variable credit course (1-4 credits). The academic department has approved it for **2** credits in this program.

Computer Elective

Choose One Course:

CTS2321	Linux Fundamentals	3
CTS2370	Virtualization Infrastructure: Installation and Configuration	3
COP2800	Computer Programming Java	3
COP2360	C# Programming	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
COP1000	Principles of Computer Programming	3
CET1600	Network Plus	3
CTS2361	SharePoint Users	3
CTS1851	Internet Web Foundations (HTML, CSS)	3

Successful completers of CET1600 are eligible to take the test to become a Network Plus Professional.

2nd Semester

COP2700	Introduction to Database Management	3
CIS2350	Principles of Information Assurance	3
CTS2328	Managing and Maintaining a Windows Network	3

	Environment	
MAC1105	College Algebra	3
	OR	
MGF2106	Survey in Mathematics	3
	Social Sciences Core	3

Summer Semester

	Humanities Core	3

Year 2

1st Semester

COP2071	Querying Database	3
CTS2375	Essentials of Cloud Computing	3
CTS2441	Database Administration	3
SPC2608	Oral Communications/Research/Presentation Skills	3

2nd Semester

COP2072	Reporting Services	3
	Computer Elective	3
CTS2450	Business Intelligence	3
CAP2741	Data Visualization	4
COP2949	Cooperative Educational Experience in Computer Programming	1-4

*COP2949 is a variable credit course (1-4 credits). The academic department has approved it for **2** credits in this program.*

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Dental Hygiene (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 203600 - Catalog 2019/2020

Claire Peterson, Assistant Chair, 386-785-2068, Claire.Peterson@daytonastate.edu
Pamela Ridilla, Chairperson, 386-785-2093, Pamela.Ridilla@daytonastate.edu

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 accredited by the Commission on Dental Accreditation and has been granted the accreditation status of "approval without reporting requirements". The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312)440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611. The Commission's web address is http://www.ada.org/en/coda.

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Program Tuition and Fees*: $9,009
Access Fee: $98.56 ($1.12 per credit)
Assessment Fee: $34
Lab Fees (including liability insurance): $849
Textbook Estimate: $2,417

Uniforms and Supplies: $345
Instrument Kits, Clinical Supplies, and Tooth Model:
     $2,960
American Dental Hygienists' Association Student Membership: $160
National Board Dental Hygiene Review Course: $450
National Board Dental Hygiene Examination: $450
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.
- Applicants must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- Applicants who **started** high school in the 9th grade in 2003 or after at a **Florida Public** high school AND **graduated** from a Florida Public high school with a standard high school diploma are exempt from any placement testing. Active duty military applicants are also exempt from any placement testing. Those applicants who have successfully completed college level English and/or Math may be exempt as well. All other applicants will be required to take the Postsecondary Education Readiness Test (PERT) and be at a 10th grade level for reading, language and

arithmetic. Contact an Academic Advisor for assistance.
- Completion of health screening to include: recent physical examination; verification of immunization against tetanus-diphtheria, measles, mumps, rubella and Hepatitis B; and negative PPD test (or chest x-ray if indicated) 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 courses (Summer Semester B).
- 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.

Additional Completion Requirements
- Submit completed School of Dental Science application for continuing enrollment to the Academic Advisor in the College of Health and Public Services **only** during the month of February.
- 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.
- Student selection for continuing enrollment is based on specific admission criteria and a points system. Selection is made once per year. The Program starts annually in July.
- Cumulative grade point average of 2.5 or better is required to apply for continuing enrollment.
- Completion of the following courses with a grade of "C" or better is required **before** submitting an application for continuing enrollment: ENC1101 Introduction to Composition; MGF2106 Survey in Mathematics (MAC1105 College Algebra or STA2023 Elementary Statistics also accepted); BSC1085C Human Anatomy and Physiology I and Lab; BSC1086C Human Anatomy

and Physiology II and Lab; and CHM1025C Introduction to Chemistry and Lab.

- **Effective May 1, 2019**: Completion of the Test of Essential Academic Skills (ATI TEAS) with minimum scores of 59th percentile composite, 63rd percentile mathematics and 69th percentile reading is required before submitting an application for continuing enrollment. Tests may not be combined to show minimum score achievement. The scores must be achieved in each category on the same test attempt. Applicants may test a total of two (2) times within a calendar year (Jan-Dec). Only TEAS scores taken at DSC can be accepted. TEAS scores are good for three (3) years from test date. Approximately cost of the TEAS Test is $73.00.
- **Effective May 1, 2019**: Completion of a minimum of eight (8) observation hours in a general dentistry or periodontal practice is required before submitting an application 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 DES1100C Elements of Dental Materials and Lab. **Transfer of credit for this course will be at the discretion of the Chairperson.**

General Education Courses

General Education Core - 33 Credits

Communication Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics Core (3 credits)

| MGF2106 | Survey in Mathematics | 3 |

Natural Sciences Core (15 credits)

BSC1085C	Human Anatomy and Physiology I and Lab	4
BSC1086C	Human Anatomy & Physiology II and Lab	4
CHM1025C	Introduction to Chemistry and Lab	4
HUN1201	Human Nutrition	3

Social Sciences Core (6 credits)

| PSY1012 | General Psychology | 3 |
| SYG2000 | Introduction to Sociology | 3 |

Humanities Core (3 credits)

Choose One Course

| AML2050 | Modern American Literature | 3 |
| AML2060 | Contemporary American | 3 |

	Literature	
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
ARH2050	Survey of Art History I	3
ARH2051	Survey of Art History II	3
DAN1100	Dance Appreciation	3
HUM2020	Introduction to Humanities	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2000	Literature and Culture	3
LIT2030	Understanding Poetry	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL1010	Music Appreciation	3
MUL2380	Popular Music in America	3
PHI2010	Introduction of Philosophy	3
REL2300	World Religion	3
THE1000	Theatre Appreciation	3

Additional Required Course - 4 Credits

| MCB1010C | Microbiology and Lab | 4 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

DEH1002C	Preclinical Dental Hygiene and Lab	4
DEH1133	Orofacial Anatomy and Physiology	3
DEH1602	Periodontology	3
DEH1800	Clinical Dental Hygiene I	2
DEH1800L	Dental Hygiene Clinic I	2
DEH1802	Clinical Dental Hygiene II	2
DEH1802L	Dental Hygiene Clinic II	2
DEH2300	Pharmacology	2
DEH2400	General and Oral Pathology	2
DEH2702C	Community Dental Health and Lab	3
DEH2804	Clinical Dental Hygiene III	2
DEH2804L	Dental Hygiene Clinic III	3
DEH2806	Clinical Dental Hygiene IV	2
DEH2806L	Dental Hygiene Clinic IV	3
DES1010	Head and Neck Anatomy	2
DES1054	Pain Control and Anesthesia	2

DES1100C	Elements of Dental Materials and Lab	3
DES1200C	Dental Radiography and Lab	3
DES1832L	Expanded Functions for the Dental Hygienist	2
DES1840	Preventive Dentistry	2
DES2600	Medical and Dental Emergencies	2

DEH1602 meets the graduation requirement for the basic use of computers for this program.

Sample Program of Study

Prerequisite Courses

BSC1085C	Human Anatomy and Physiology I and Lab	4
BSC1086C	Human Anatomy & Physiology II and Lab	4
CHM1025C	Introduction to Chemistry and Lab	4
ENC1101	Introduction to Composition	3
MGF2106	Survey in Mathematics	3

Year 1

Summer Semester (Term B - Six Weeks)

DEH1133	Orofacial Anatomy and Physiology	3

1st Semester

MCB1010C	Microbiology and Lab	4
DEH1002C	Preclinical Dental Hygiene and Lab	4
DES1010	Head and Neck Anatomy	2
DES1200C	Dental Radiography and Lab	3
DES1840	Preventive Dentistry	2

2nd Semester

HUN1201	Human Nutrition	3
DEH1602	Periodontology	3
DEH1800	Clinical Dental Hygiene I	2
DEH1800L	Dental Hygiene Clinic I	2
DES1054	Pain Control and Anesthesia	2
DES1832L	Expanded Functions for the Dental Hygienist	2

DEH1602 meets the graduation requirement for the basic use of computers for this program.

Summer Semester (Term A - Six Weeks)

DEH1802	Clinical Dental Hygiene II	2
DEH1802L	Dental Hygiene Clinic II	2
DES1100C	Elements of Dental Materials and Lab	3

Summer Semester (Term B - Six Weeks)

SPC2608	Oral Communications/Research/Presentation Skills	3

Year 2

1st Semester

SYG2000	Introduction to Sociology	3
DEH2300	Pharmacology	2
DEH2400	General and Oral Pathology	2
DEH2804	Clinical Dental Hygiene III	2
DEH2804L	Dental Hygiene Clinic III	3
DES2600	Medical and Dental Emergencies	2

2nd Semester

PSY1012	General Psychology	3
	Humanities Core	3
DEH2702C	Community Dental Health and Lab	3
DEH2806	Clinical Dental Hygiene IV	2
DEH2806L	Dental Hygiene Clinic IV	3

Humanities Core: See list of accepted courses listed under General Education Courses.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 88

Digital and Interactive Media Production, A.S. Degree

Program Information

A.S. Degree - Code 223100 - Catalog 2019/2020

Daniel Biferie, Chair, 386-506-3581,
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Bradley.Moody@daytonastate.edu
Cathy Shone, 386-506-3581,
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Program Mission, Description, and Outcomes

Mission:

The mission of the program is to equip students with skills that prepares them for entry-level positions in interactive media including broadcast, print, web design, and related professions; embracing excellence and diversity.

Description:

In the discipline, students blend narrative writing, photography, video, audio, social media, web creation, media design, and analytics to develop multimedia marketing plans that promote businesses and organizations. Throughout the program, students will build a portfolio highlighting skills in each area. The program culminates in

a final, team multimedia project, showcased on the department website.

Outcomes:

Graduates of the program will be able to:

1. Explain the functions of hardware and software as relate to multi-media production and delivery.
2. Demonstrate professional interpersonal and business communications skills in a diverse environment.
3. Employ team skills in the production of multi-media projects.
4. During the planning process for multi-media projects, critically evaluate relevant information and assets for targeted audiences.
5. Design a multi-media project that incorporate writing and reportage, still photography, video, audio and web creation, design and analytics.
6. Evaluate audience feedback and analytics of the multi-media projects.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: $267 over the entire program

Equipment Estimate: $400 for DSLR or $100 for start-up equipment through rental program

Minor Equipment and Other Supplies: estimated $400 over the entire program

Textbook Estimate: $250 per semester

Additional Admission Requirements

- All new and transfer students are required to meet with the Chair or Program Coordinator prior to registration. Please call or email for an appointment for an hour-long consultation and tour of the facilities.

Careers

Correspondent

Graphic Designer
Multimedia Assistant
Multimedia Designer
Social Media Assistant
Video Editor
Videographer
Web Designer
Website Manager

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

General Education Core - 15 Credits

Communication Core (6 credits)

ENC1101	Introduction to Composition	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra	3

Social Sciences Core (3 Credits)

PSY1012	General Psychology OR	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 Credits)

ARH2050	Survey of Art History I	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

DIG2000	Introduction to Digital Media	3
DIG2100	Web Design I OR	3
GRA2144	Web Publishing	3
DIG2500	Fundamentals of Interactive Media	3
DIG2441	Mobile Devices and Applications of Social Media	3
GRA1543	Graphic Design Studio	3
JOU1100	Introduction to Journalism	3
MAR2101	Social Media Marketing	3
MMC1000	Introduction to Mass Communication	3
MUM2630C	Sound for Media	3
PGY1101	Photography as an Art Form	4
PGY1800	Photography and Image Making	4
PGY2750	Introduction to Video Production	4

RTV1000C	Fundamentals of Broadcast Production and Lab	4
RTV2104	Broadcast Research/Newswriting/Presentation Skills	3
DIG2974	Interactive Media Capstone	4

Sample Program of Study

Year 1

1st Semester

DIG2000	Introduction to Digital Media	3
ENC1101	Introduction to Composition	3
PGY1101	Photography as an Art Form	4
PGY1800	Photography and Image Making	4

2nd Semester

ARH2050	Survey of Art History I	3
GRA1543	Graphic Design Studio	3
MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra	3
MMC1000	Introduction to Mass Communication	3
DIG2441	Mobile Devices and Applications of Social Media	3

Summer Semester

| PGY2750 | Introduction to Video Production | 4 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Year 2

1st Semester

DIG2500	Fundamentals of Interactive Media	3
JOU1100	Introduction to Journalism	3
MAR2101	Social Media Marketing	3
MUM2630C	Sound for Media	3
RTV1000C	Fundamentals of Broadcast Production and Lab	4

2nd Semester

DIG2100	Web Design I OR	3
GRA2144	Web Publishing	3
PSY1012	General Psychology OR	3
SYG2000	Introduction to Sociology	3
RTV2104	Broadcast	3

| | Research/Newswriting/Presentation Skills | |
| DIG2974 | Interactive Media Capstone | 4 |

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 65

Drafting and Design Technology (CAD), A.S. Degree

Program Information

A.S. Degree - Code 222000 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Deborah Kirkland, Assistant Chair, 386-506-4158, Deborah.Kirkland@daytonastate.edu
Mina El Karmadi, Senior Staff Assistant, 386-506-4154, Mina.Elkarmadi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Drafting and Design Technology program is to provide the knowledge and skills necessary to 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:

This program offers a sequence of courses that provides coherent and rigorous content aligned with the challenging academic standards and relevant technical knowledge and skills needed to prepare for careers in the architecture, construction, engineering, and manufacturing 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) - 092700 (p. 128) ; AutoCAD Foundations (Engineering) - 092800 (p. 129); Drafting and Design Technology - 092900 (p. 141). 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 basic drafting skills.
2. Prepare mechanical and architectural drawings.
3. Prepare computer aided drawings.
4. Prepare civil drafting drawings.
5. Execute analytical, practical, and creative tasks as they apply to drafting and design projects.
6. Communicate effectively through written and verbal means.
7. Demonstrate an understanding of entrepreneurship and employability skills.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

General Education Courses

General Education Core - 15 Credits

Communication Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics	3
	OR	
MAC1105	College Algebra	3
	OR	
STA2023	Elementary Statistics	3

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences Core (3 credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits)

Choose One Course

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
DAN1100	Dance Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL1010	Music Appreciation	3
MUL2380	Popular Music in America	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

BCN1251C	Architectural Drawing I and Lab	3
IND2500	Professional Practices for the Design Industry	3
ETD2368C	SolidWorks II and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
EGN1111C	Engineering Drawing and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETD2465C	Tool Design and Lab	3
ETD2540C	Civil Drafting and Surveying (CAD) and Lab	3
ETG2520	Statics and Strength of Materials	3
ETG2949	Cooperative Education Experience in Engineering	1

Program Elective (6 credits)

Choose Two Course

BCN1210	Materials and Processes	3
CGS2100	Microcomputer Applications	3
ETC2245	Construction Methods	3
ETC2207C	Construction Planning and Estimating and Lab	3
IND1211	History of Architecture & Interiors	3
BCN2049	Sustainable Design & Construction	3
DIG1109	Digital Imaging Fundamentals	3
BCN1253C	Architectural Drawing II and Lab	3
GIS2040C	Geographic Information Systems and Lab	3
IND1935	Building and Barrier Free Codes	3
ETD2805C	Technical Illustration and Lab	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
BCN1251C	Architectural Drawing I and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
EGN1111C	Engineering Drawing and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3

2nd Semester

	Mathematics Core	3
ETD2390C	Introduction to Revit Architecture and Lab	3
SPC2608	Oral Communications/Research/Presentation Skills	3
	Elective	3
ETD2364C	SolidWorks Solid Modeling and Lab	3

Summer Semester

	Social Sciences Core	3
ETD2368C	SolidWorks II and Lab	3

Year 2

1st Semester

ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
	Humanities Core	3
ETD2540C	Civil Drafting and Surveying (CAD) and Lab	3

ETG2520	Statics and Strength of Materials	3
	Elective	3

2nd Semester

ETD2465C	Tool Design and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
ETG2949	Cooperative Education Experience in Engineering	1
IND2500	Professional Practices for the Design Industry	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 62

Early Childhood Education, A.S. Degree

Program Information

A.S. Degree - Code 204400 - Catalog 2019/2020

Catherine Twyman, Assistant Chair, 386-506-3113, Catherine.Twyman@daytonastate.edu
Maggie Muszka, Administrative Assistant, 386-506-3080, Magdolna.Muszka@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@daytonastate.edu

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. 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Students may be eligible for the TEACH scholarship to help defray costs. Please refer to http://teach-fl.org/ for more information.

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.
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- 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.
- Students earning a Staff Credential/CDA from Daytona State College's Child Care Apprenticeship program are exempt from the following classes: CHD1820, and CHD2440 (12 credit hours).
- Students earning a Staff Credential/CDA from outside the college but within the State of Florida are exempt from the following classes: CHD2320, and EEC2401 (9 credit hours).

General Education Courses

General Education Core - 18 Credits

Communications Core (6 credits)

ENC1101	Introduction to Composition	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics OR	3
MGF2107	Mathematics for Liberal Arts OR	3
MAC1105	College Algebra	3

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation OR	3
	Humanities Core - Choose One (ARH, DAN, HUM, MUH, MUL, PHI, REL, THE) (3) OR	3
	Humanities Core - Choose One (AML, LIT) (3)	3

Social Sciences Core (6 credits)

SYG2000	Introduction to Sociology	3
DEP2004	Developmental Psychology OR	3
PSY1012	General Psychology	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program specific courses must be completed with a grade 'C' or better.

CHD1220	Child Growth and Development	3
CHD1430	Observation, Recording and Assessment	3
CHD1820	Introduction to Early Childhood Education II	3
CHD2320	Curriculum Planning for Early Childhood	3
CHD2333	Creative Activities for the Young Child	3
CHD2334	Language Arts for the Young Child	3
CHD2335	Music and Motor Activities for the Young Child	3
CHD2338	Math and Science for the Young Child	3
CHD2440	Child Development Practicum	6
EEC2401	Home, School and Community	3
EEX1600	Classroom Management (Early Childhood)	3
EEX2080	Teaching the Exceptional Learner	3
HSC1421	Health, Safety and Nutrition for the Young Child	3

CHD1220 meets the graduation requirements for the basic use of computers for this program.

Specializations

Florida Director's Credential

CHD2801	Child Development Management	3

1st Time Renewal - Take the following class:

EEC2523	Leadership and Management of Child Care Programs	3

2nd Time Renewal - Take the following class:

EEC2527	Child Care Center Financial and Legal Issues	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
	Social Sciences Core	3
CHD1220	Child Growth and Development	3
CHD2338	Math and Science for the Young Child	3
EEC2401	Home, School and Community	3

2nd Semester

MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra	3
	Social Sciences Core	3
CHD2334	Language Arts for the Young Child	3
CHD2335	Music and Motor Activities for the Young Child	3

3rd Semester

CHD1430	Observation, Recording and Assessment	3
EEX1600	Classroom Management (Early Childhood)	3

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
	Humanities Core	3
CHD2333	Creative Activities for the Young Child	3

2nd Semester

CHD1820	Introduction to Early Childhood Education II	3
CHD2320	Curriculum Planning for Early Childhood	3
EEX2080	Teaching the Exceptional Learner	3

3rd Semester

CHD2440	Child Development Practicum	6
HSC1421	Health, Safety and Nutrition for the Young Child	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Electronics Engineering Technology, A.S. Degree

Program Information

A.S. Degree - Code 200300 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155,
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Mina El Karmadi, Senior Staff Assistant, 386-506-4154, Mina.Elkarmadi@daytonastate.edu

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.

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Consult assistant chair for approximate costs of textbooks, lab fees and project fees.

Other Costs: A scientific calculator is required first semester. Electronics Assembly project cost is $187.

General Education Courses

General Education Core - 29 Credits

Communication Core (9 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (6 credits)

MAC1114	College Trigonometry	3
MAC1105	College Algebra	3

Natural Sciences Core (8 Credits)

Physical Sciences

PHY1053C	General Physics I and Lab	4

Biological Sciences - 4 credits

Choose One Course

BOT1010C	General Botany and Lab	4
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1
OCB2000C	Introduction to Marine Biology and Lab	4

Social Sciences Core (3 credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 Credits)

Choose One Course

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
DAN1100	Dance Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUL1010	Music Appreciation	3
MUL2380	Popular Music in America	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

CET1112C	Digital Fundamentals and Lab	4
CET2123C	Microcomputer and Basic Digital Communications and Lab	4
COP1000	Principles of Computer Programming	3
CGS2100	Microcomputer Applications	3
EET1011C	Introduction to Electrical Circuits and Lab	3
EET1021C	Advanced Electrical Circuits and Lab	3
EET1141C	Analog Devices and Circuits and Lab	4
EET1607C	Electronics Assembly and Cabling and Lab	3
EET2142C	Analog Circuits and Basic Analog Communications and Lab	4
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3

Technical Elective-CHOOSE ONLY 5 Credit Hours

PHY1054C	General Physics II and Lab	4
EGS1000	Professional Performance for Technicians	3
EET2949	Cooperative Education Experience in Electronics	1-4
CTS1851	Internet Web Foundations (HTML, CSS)	3
COP2800	Computer Programming Java OR	3
COP2360	C# Programming	3

PHY1054C: Students choosing the PHY1054C option could choose a 1 hour Cooperative Education (EET2949) class instead of 2 hours.

Sample Program of Study

Year 1

1st Semester

	Mathematics Core	3
CGS2100	Microcomputer Applications	3
CET1112C	Digital Fundamentals and Lab	4
EET1011C	Introduction to Electrical Circuits and Lab	3
EET1607C	Electronics Assembly and Cabling and Lab	3

2nd Semester

ENC1101	Introduction to Composition	3
MAC1114	College Trigonometry	3
EET1021C	Advanced Electrical Circuits and Lab	3
EET1141C	Analog Devices and Circuits and Lab	4

Summer Semester

	Humanities Core	3
COP1000	Principles of Computer Programming	3

Year 2

1st Semester

	Biological Sciences	4
PHY1053C	General Physics I and Lab	4
ENC1102	Writing with Research	3
CET2123C	Microcomputer and Basic Digital Communications and Lab	4
EET2142C	Analog Circuits and Basic Analog Communications and Lab	4

2nd Semester

	Technical Elective (Class & Coop)	5
	Social Sciences Core	3
SPC2608	Oral Communications/Research/Presentation Skills	3
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 68

Notes

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

Emergency Medical Services (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 220800 - Catalog 2019/2020

Beth Rafferty, Senior Staff Assistant, 386-506-4202, Elizabeth.Rafferty@daytonastate.edu
David McCallister, Assistant Chair, 386-506-4177, David.McCallister@daytonastate.edu
Sheila Ellison, Director, 386-506-4201, Sheila.Ellison@daytonastate.edu

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.

If student possesses a current National Registry EMT or Paramedic license, credits earned at another accredited institution may be eligible for transfer to Daytona State College .

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 - 095700 (p. 155); Emergency Medical Technician - 096000 (p. 246). 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 academic advisor for details and course options.

Outcomes:

Graduates of the program will be able to:

1. Exhibit effective communication within the Emergency Medical Service profession.
2. Demonstrate professional behaviors consistent with the expectations for entry level Emergency Medical Service providers.
3. Demonstrate safe practices within the Emergency Medical Service profession.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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

- General education courses may be completed without application to the EMS Department and can be taken at any time.
- Enrollment in the EMS AS degree code does not guarantee admission into the EMT and Paramedic programs. EMS specific courses require a separate

application for admission which contains a background check, drug screen, physical and immunization records.
- Please consult 096000 Emergency Medical Technician Program Guide for application instructions.
- Please consult 095700 Paramedic Program Guide for application instructions.

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

General Education Core - 15 Credits

Communication Core (6 Credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
	OR	
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core - Choose One Course (3 Credits)

MGF2106	Survey in Mathematics	3
MGF2107	Mathematics for Liberal Arts	3
MAC1105	College Algebra	3

Social Sciences Core (3 credits)

PSY1012	General Psychology	3

Humanities Core - Choose One Course (3 Credits)

ARH1000	Art Appreciation	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

EMS1119C	Emergency Medical Technician I and Lab	10
EMS1431	Emergency Medical Technician Clinical/Field Experience	2
EMS1335	Emergency Vehicle Operators Course	1

EMS2603C	Paramedic I and Lab	13
EMS2604C	Paramedic II and Lab	12
EMS2605C	Paramedic III and Lab	11
EMS2666	Paramedic Clinical I	1
EMS2667	Paramedic Clinical II	2
EMS2659	Paramedic Field Internship	3

Elective (Choose One)

CCJ1020	Introduction to Criminal Justice	3
CCJ1080	Introduction to Criminal Forensic Studies	3
PSC1121	Physical Science	3
BSC1020	Human Biology	3
PHI2600	Introduction to Ethics	3
FFP2401	Hazardous Materials I	3
FFP2740	Fire Service Instructor	3
FFP2801	Introduction to Command	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
EMS1119C	Emergency Medical Technician I and Lab	10
EMS1431	Emergency Medical Technician Clinical/Field Experience	2
EMS1335	Emergency Vehicle Operators Course	1

2nd Semester

ENC1102	Writing with Research	3
	OR	
SPC2608	Oral Communications/Research/Presentation Skills	3
MGF2106	Survey in Mathematics	3
	OR	
MGF2107	Mathematics for Liberal Arts	3
	OR	
MAC1105	College Algebra	3
PSY1012	General Psychology	3
	Program Elective	3
	Humanities Core	3

3rd Semester

EMS2603C	Paramedic I and Lab	13

Year 2

1st Semester

EMS2604C	Paramedic II and Lab	12
EMS2666	Paramedic Clinical I	1

2nd Semester

| EMS2605C | Paramedic III and Lab | 11 |
| EMS2667 | Paramedic Clinical II | 2 |

3rd Semester

| EMS2659 | Paramedic Field Internship | 3 |

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 73

Engineering Technology, A.S. Degree

Program Information

A.S. Degree - Code 223200 - Catalog 2019/2020

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Mina El Karmadi, Senior Staff Assistant,386-506-4154, Mina.Elkarmadi@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Engineering Technology program is to prepare students for employment or provide additional training for persons employed in manufacturing and high technology industries. The program has three specializations - Electronics, Digital Design and Modeling, and Additive Manufacturing. The program prepares students for entering into the manufacturing career cluster.

Description:

The Engineering Technology Associate of Science degree program at Daytona State College prepares students for employment or provides additional training for persons employed in the highly evolving manufacturing (embedded with new technology) and high technology industries. The program also provides specializations in Digital Design and Modeling, Electronics, Additive Manufacturing and Mechatronics, along with embedded college credit certificates in Applied Technology Specialist, Computer Aided Design and Drafting, and Engineering Technology Support Specialist. The Engineering Technology Associate in Science is fully transferable to four-year BSET degree granting institutions.

AS Certificates That Lead To This Degree:

The following AS Certificates are embedded within this degree. 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.

Electronics Specialization:
082000 - Applied Technology Specialist (16 Semester Hours) (p. 126)
082300 - Engineering Technology Support Specialist (21 Semester Hours) (p. 142)

Digital Design and Modeling Specialization:
082100 - Computer-Aided Design and Drafting (24 Semester Hours) (p. 138)

Outcomes:

Graduates of the program will be able to:

1. Demonstrate an understanding of industrial processes and material properties.
2. Generate and interpret computer-aided drawings.
3. Demonstrate a fundamental understanding of electronics and electricity.
4. Demonstrate an understanding of industrial safety, health, and environmental requirements.
5. Evaluate the use of quality assurance methods and quality control concepts.
6. Design tests using tools, instruments and testing devices.
7. Assess failure in equipment and troubleshoot equipment/devices.
8. Demonstrate appropriate communication skills.
9. Demonstrate appropriate math skills.
10. Evaluate modern business practices and strategies.
11. Demonstrate employability skills.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: Consult college catalog for lab fees.

Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

Other Costs: A scientific calculator, computer repair tool kit (approx. $20), and soldering kit (approx. $20).

General Education Courses

General Education Core - 15 Credits

Communications Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics Core (3 credits)

| MAC1105 | College Algebra | 3 |

Social Sciences Core (3 credits) - Choose One

PSY1012	General Psychology	3
DEP2004	Developmental Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits) - Choose One

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program Core - 18 Credits

EET1011C	Introduction to Electrical Circuits and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETI1110	Introduction to Quality Assurance	3
ETI1420	Manufacturing Processes and Materials	3
ETI1701	Industrial Safety	3
ETM1010	Mechanical Measurement and Instrumentation	3

Specialization: Electronics

CET1112C	Digital Fundamentals and Lab	4
CET2123C	Microcomputer and Basic Digital Communications and Lab	4
EET1021C	Advanced Electrical Circuits and Lab	3
EET1141C	Analog Devices and Circuits	4
EET1607C	Electronics Assembly and Cabling and Lab	3
EET2142C	Analog Circuits and Basic Analog Communications and Lab	4
EGS1000	Professional Performance for Technicians	3
EET2949	Cooperative Education Experience in Electronics	1-4

*EET2949 is a variable credit course (1-4 credits). The academic department has approved it for **2** credits in this specialization.*

Specialization: Digital Design and Modeling

ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2368C	SolidWorks II and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETD2465C	Tool Design and Lab	3
ETG2520	Statics and Strength of Materials	3
EGS1000	Professional Performance for Technicians	3

Specialization: Additive Manufacturing

ETD2371	Additive Manufacturing I	3
ETD2372	Additive Manufacturing II	3
ETI1411	Survey of Manufacturing Processes	3
ETI2122	Product Testing and Quality Control	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2368C	SolidWorks II and Lab	3
ETD2465C	Tool Design and Lab	3
	Electronics/ Digital Design and Modeling Elective	3
	Electronics/ Digital Design and Modeling Elective	3

Specialization: Mechatronics

EET1021C	Advanced Electrical Circuits and Lab	3
CET1112C	Digital Fundamentals and Lab	4
CET2123C	Microcomputer and Basic Digital Communications and Lab	4

ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3
ETS2540C	Fundamentals of Robotics and Automation	3
ETS2542C	Programmable Logic Controllers	4
ETI1843C	Motors and Controls AND	3
ETI2950C	Capstone Project OR	4
EET1141C	Analog Devices and Circuits and Lab OR	4
EET2949	Cooperative Education Experience in Electronics	1-4

EET2949 is a variable credit course (1-4 credits). The academic department has approved it for 4 credits in this specialization.

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
MAC1105	College Algebra	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETI1110	Introduction to Quality Assurance	3
ETI1701	Industrial Safety	3

2nd Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
	Social Sciences Core	3
EET1011C	Introduction to Electrical Circuits and Lab	3
ETI1420	Manufacturing Processes and Materials	3
ETM1010	Mechanical Measurement and Instrumentation	3

Summer Semester

| | Humanities Core | 3 |

Year 2 Specialization: Electronics

1st Semester

CET1112C	Digital Fundamentals and Lab	4
EET1021C	Advanced Electrical Circuits and Lab	3
EET1141C	Analog Devices and Circuits and Lab	4
EGS1000	Professional Performance for Technicians	3

2nd Semester

CET2123C	Microcomputer and Basic Digital Communications and Lab	4
EET1607C	Electronics Assembly and Cabling and Lab	3
EET2142C	Analog Circuits and Basic Analog Communications and Lab	4
EET2949	Cooperative Education Experience in Electronics	1-4

Subtotal: 27

EET2949 is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this specialization.

Year 2 Specialization: Digital Design and Modeling

1st Semester

ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
EGS1000	Professional Performance for Technicians	3
ETG2520	Statics and Strength of Materials	3

2nd Semester

ETD2368C	SolidWorks II and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
ETD2465C	Tool Design and Lab	3

Subtotal: 27

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Year 2 Specialization: Additive Manufacturing

1st Semester

ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2371	Additive Manufacturing I	3
ETD2368C	SolidWorks II and Lab	3
	Electronics/ Digital Design and Modeling Elective	3
ETI2122	Product Testing and Quality Control	3

2nd Semester

ETD2372	Additive Manufacturing II	3
	Electronics/ Digital Design and Modeling Elective	3
ETD2465C	Tool Design and Lab	3
ETI1411	Survey of Manufacturing Processes	3

Subtotal: 27

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Year 2 Specialization: Mechatronics

1st Semester

CET1112C	Digital Fundamentals and Lab	4
EET1021C	Advanced Electrical Circuits and Lab	3
ETS2540C	Fundamentals of Robotics and Automation	3
ETS2542C	Programmable Logic Controllers	4

2nd Semester

CET2123C	Microcomputer and Basic Digital Communications and Lab	4
ETI1843C	Motors and Controls	3
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab AND	3
ETI2950C	Capstone Project OR	4
EET1141C	Analog Devices and Circuits and Lab OR	4
EET2949	Cooperative Education Experience in Electronics	1-4

Subtotal: 27

EET2949 is a variable credit course (1-4 credits). The academic department has approved it for 4 credits in this specialization.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Notes

1. Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Students continuing on "Digital Design and Modeling" specialization could choose EITHER MGF2106 OR MAC1105 to complete the Mathematics core requirement.

Students continuing on "Electronics" specialization SHOULD choose MAC1105 to satisfy their Mathematics core requirement.

Environmental Science Technology, A.S. Degree

Program Information

A.S. Degree - Code 223000 - Catalog 2019/2020

Sandra Horikami, Chair, 386-506-4313, Sandra.Horikami@daytonastate.edu

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 prepare 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: $406 (refer to course descriptions (p. 332) in current college catalog)

Additional Admission Requirements

- Orientation to the Institute of Marine and Environmental Studies (SLS1127) also must be completed within the first year of the Program.

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

General Education Core - 29 Credits

General Education courses must be completed with a grade of 'C' or better.

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Communications Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics Core (6 credits)

| MAC1105 | College Algebra | 3 |
| STA2023 | Elementary Statistics | 3 |

Natural Sciences Core (14 credits)

CHM1025C	Introduction to Chemistry and Lab	4
OCE1001	Introduction to Oceanography	3
GLY2010C	Physical Geology and Lab	4
MET2010	Meteorology	3

Social Science Core (3 credits)

| GEO2000 | World Geography | 3 |

Program Specific Courses

Program Specific Courses - 35 Credits

Program Specific courses must be completed with a grade of 'C' or better.

SLS1127	Faculty Peer Mentoring Experience for Marine and Environmental Science Programs	
EVR2001	Introduction to Environmental Science	3
EVR2001L	Introduction to Environmental Science Lab	1
EVR2861	Environmental Policy and Law	3
EVR2943	Environmental Internship	3
GIS2040C	Geographic Information Systems and Lab	3
SOS2006	Introduction to Soil Science	3

EVR2943 is repeatable for credit one time. Students will take the course in the Summer semesters of Year 1 and Year 2.

Water Specialization - 16 Credits

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
SWS2007	The World of Water	3
EVR2647	Environmental Site Assessment	3
EVR2630	Hazardous Material Risk Analysis	3
EVS2026C	Chemistry and Biology of Natural Waters and Laboratory	4

Wetlands/Bio-Ecological Specialization - 16 Credits

BOT2150	Native Plants of Central Florida	3
BSC1010C	General Biology I (For Science Majors) and Lab	4
BSC1011C	General Biology II (For Science Majors) and Lab	4
OCE1001L	Introduction to Oceanography Lab	1
PCB2033C	Introduction to Ecology and Lab	4

Students must complete all courses within the Water or Wetlands/Bio-Ecological track to earn the particular specialization.

Sample Program of Study - Water Specialization

Year 1

1st Semester

SLS1127	Faculty Peer Mentoring Experience for Marine and Environmental Science Programs	
ENC1101	Introduction to Composition	3
EVR2001	Introduction to Environmental Science	3
EVR2001L	Introduction to Environmental Science Lab	1
CHM1025C	Introduction to Chemistry and Lab	4
EVR2861	Environmental Policy and Law	3

2nd Semester

MAC1105	College Algebra	3
SOS2006	Introduction to Soil Science	3
GIS2040C	Geographic Information Systems and Lab	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
SWS2007	The World of Water	3

Summer A Semester

| EVR2943 | Environmental Internship | 3 |

EVR2943 is repeatable for credit one time. Students will take the course in the Summer semesters of Year 1 and Year 2.

Summer B Semester

| EVR2647 | Environmental Site Assessment | 3 |

Year 2

1st Semester

GLY2010C	Physical Geology and Lab	4
STA2023	Elementary Statistics	3
SPC2608	Oral Communications/Research/Presentation Skills	3
OCE1001	Introduction to Oceanography	3

2nd Semester

GEO2000	World Geography	3
MET2010	Meteorology	3
EVS2026C	Chemistry and Biology of Natural Waters and Laboratory	4
EVR2630	Hazardous Material Risk Analysis	3

Summer A Semester

| EVR2943 | Environmental Internship | 3 |

EVR2943 is repeatable for credit one time. Students will take the course in the Summer semesters of Year 1 and Year 2.

Students must complete all Water courses to earn the particular specialization.

Subtotal: 64

Sample Program of Study - Wetlands/Bio-Ecological Specialization

Year 1

1st Semester

SLS1127	Faculty Peer Mentoring Experience for Marine and Environmental Science Programs	
ENC1101	Introduction to Composition	3
EVR2001	Introduction to Environmental Science	3
EVR2001L	Introduction to Environmental Science Lab	1
CHM1025C	Introduction to Chemistry and Lab	4
EVR2861	Environmental Policy and Law	3

2nd Semester

MAC1105	College Algebra	3
SOS2006	Introduction to Soil Science	3
GIS2040C	Geographic Information Systems and Lab	3
BSC1010C	General Biology I (For Science Majors) and Lab	4

Summer A Semester

| EVR2943 | Environmental Internship | 3 |

EVR2943 is repeatable for credit one time. Students will take the course in the Summer semesters of Year 1 and Year 2.

Summer B Semester

| BSC1011C | General Biology II (For Science Majors) and Lab | 4 |

Year 2

1st Semester

GLY2010C	Physical Geology and Lab	4
STA2023	Elementary Statistics	3
SPC2608	Oral Communications/Research/Presentation Skills	3
PCB2033C	Introduction to Ecology and Lab	4

2nd Semester

| GEO2000 | World Geography | 3 |

MET2010	Meteorology	3
BOT2150	Native Plants of Central Florida	3
OCE1001	Introduction to Oceanography	3
OCE1001L	Introduction to Oceanography Lab	1

Summer Semester

| EVR2943 | Environmental Internship | 3 |

EVR2943 is repeatable for credit one time. Students will take the course in the Summer semesters of Year 1 and Year 2.

Students must complete all Wetlands/Bio-Ecological courses to earn the particular specialization.
Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.

Subtotal: 64

Fire Science Technology, A.S. Degree

Program Information

A.S. Degree - Code 205600 - Catalog 2019/2020

David McCallister, Assistant Chair, 386-506-4177, David.Mccallister@daytonastate.edu
Sheila Ellison, Director, 386-506-4201, Sheila.Ellison@daytonastate.edu

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. Exhibit effective communication within the Fire Science profession.
2. Demonstrate professional behaviors consistent with the expectations for the Fire Science profession.
3. Demonstrate safe practices within the Fire Science profession.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

General Education Courses

General Education Core - 19 Credits

Communication Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics	3
	OR	
MAC1105	College Algebra	3

Natural Sciences Core (4 credits)

| BSC1005 | Survey of Biological Sciences (For Non-Science Majors) | 3 |
| BSC1005L | Survey of Biological Science (For Non-Science Majors) Lab | 1 |

Social Sciences Core (3 credits)

| PSY1012 | General Psychology | 3 |

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

CGS2100	Microcomputer Applications	3
FFP1510	Construction Codes and Material Rating	3
FFP1520	Fire Prevention Programs	3
FFP1799	Time Management for Fire Service	1
FFP1810	Firefighting Strategy and Tactics I	3
FFP2120	Building Construction	3
FFP2540	Private Fire Protection Systems	3
FFP2720	Fire Department Leadership	3
FFP2740	Fire Service Instructor	3
FFP2811	Firefighting Strategy and Tactics II	3
FFP2949	Cooperative Education Experience in Fire Science	1
	Fire Science Elective	3
	Fire Science Elective	3
	Fire Science Elective	3
	Fire Science Elective	3

Electives - Choose Four:

EMS1119C	Emergency Medical Technician I and Lab	10
FFP1700	Management of Municipal Fire Protection	3
FFP2111	Fire Chemistry	3
FFP2401	Hazardous Materials I	3
FFP2402	Hazardous Materials II	3
FFP2521	Blueprint Reading and Plans Evaluation	3
FFP2604	Fire Detection and Investigation	3
FFP2706	Public Information Officer	3
FFP2741	Fire Service Course Design	3
FFP2770	Ethical and Legal Issues for the Fire Service	3
FFP2801	Introduction to Command	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra	3
FFP1510	Construction Codes and Material Rating	3
FFP1810	Firefighting Strategy and Tactics I	3
FFP2811	Firefighting Strategy and Tactics II	3

2nd Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
PSY1012	General Psychology	3
CGS2100	Microcomputer Applications	3
FFP1520	Fire Prevention Programs	3
FFP2120	Building Construction	3

Year 2

1st Semester

	Humanities Core	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1
FFP2720	Fire Department Leadership	3
	Fire Science Elective	3
	Fire Science Elective	3

2nd Semester

FFP1799	Time Management for Fire Service	1
FFP2540	Private Fire Protection Systems	3
FFP2740	Fire Service Instructor	3
FFP2949	Cooperative Education Experience in Fire Science	1
	Fire Science Elective	3
	Fire Science Elective	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Health Information Technology (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 221400 - Catalog 2019/2020

Linda Moss, Assistant Chair, 386-506-3756, Linda.Moss@daytonastate.edu
Martin Smith, Faculty, 386-506-3748, Martin.Smith@daytonastate.edu

Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Health Information Technology program at Daytona State College is to provide a quality program to educate and promote the science of Health Information Technology.

Description:

The program trains individuals to supervise many of the health information management department's daily functions; review records for consistency, completeness and accuracy; index and classify all diagnoses and procedures; 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.

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.

Outcomes:

Graduates of the program will be able to:

1. Student will learn communication skills including not just the ability to read, write, and speak, but also to listen and use non-verbal skills with different audiences, thus becoming a valuable member of a quality healthcare team.

2. Student will be able to accurately code and bill in an outpatient setting using critical thinking skills by analyzing medical data, problem solving, and using the creative process.

3. Students will gain personal growth and responsibility with the ability to understand and manage oneself and to make reasonable judgments based on an understanding of the diversity of the world community

4. Students will show an understanding of information technology and quantitative literacy by showing an ability to locate and evaluate information in the electronic medical record thus being part of a technological society.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Program Tuition and Fees*: $7,1667*
Lab Fees (including liability insurance): $159
Textbook Estimate: $600
FDLE/FBI Background Screening: $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 General Education classes required.
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- 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: 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).
- A pre-admission consultation with the assistant chair is recommended.
- 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.

Additional Completion Requirements

- To be eligible for continuing enrollment, the student must qualify for ENC1101 (Introduction to Composition) and MAT1033 (Intermediate Algebra). This eligibility can be met through assessment results or course work.
- 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.
- 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.

General Education Courses

General Education Core - 15 Credits

Communication Core (3 credits)

| ENC1101 | Introduction to Composition | 3 |

Mathematics Core (3 credits)

| MGF2106 | Survey in Mathematics OR | 3 |
| MAC1105 | College Algebra | 3 |

Natural Sciences Core (3 credits)

| BSC1020 | Human Biology | 3 |

BSC1020: Students wishing to transfer to a four year bachelors of science program should take BSC1085C (Human Anatomy & Physiology I and Lab) and BSC

1086C (Human Anatomy & Physiology II and Lab) instead of BSC1020 (Human Biology).

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Social Sciences Core (3 credits)

| PSY1012 | General Psychology | 3 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program specific courses must be completed with a grade 'C' or better.

HSC1531	Medical Terminology	4
CGS2100	Microcomputer Applications	3
HIM1000C	Introduction to Health Information Management and Lab	3
HIM1222C	Beginning ICD-10-CM Coding and Lab	4
HIM1273	Billing and Reimbursement Methods	2
HIM2012	Legal Aspects of Health Records	2
HIM2214	Health Information Management Statistics	3
HIM2234C	Advanced ICD-10-PCS Coding and Lab	5
HIM2253C	Beginning CPT Coding and Lab	3
HIM2430	Concepts of Diseases	4
HIM2442	Pharmacology and Lab	1
HIM2400	Health Records in Alternate Settings	2
HIM2500	Quality Assurance and Compliance	2
HIM2512	Health Information Systems Management	2
HIM2652	Electronic Health Record	2
HIM2283C	Advanced CPT Coding and Lab	3
HIM2800	Coding Professional Practice Experience I	1
HIM2810	Professional Practice Experience II	2
HIM2820	Professional Practice	2

	Experience III	
HIM2920	Health Information Management Seminar	2
HIM2930	Special Topics in Health Information Technology	3

Sample Program of Study

Prerequisite Course

HSC1531	Medical Terminology	4

Year 1

1st Semester - Spring

ENC1101	Introduction to Composition	3
MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra	3
BSC1020	Human Biology	3
HIM1000C	Introduction to Health Information Management and Lab	3
HIM1222C	Beginning ICD-10-CM Coding and Lab	4
HIM2430	Concepts of Diseases	4

2nd Semester - Summer

CGS2100	Microcomputer Applications	3
HIM2442	Pharmacology and Lab	1
HIM2253C	Beginning CPT Coding and Lab	3
HIM1273	Billing and Reimbursement Methods	2

3rd Semester - Fall

HIM2283C	Advanced CPT Coding and Lab	3
HIM2012	Legal Aspects of Health Records	2
HIM2652	Electronic Health Record	2
HIM2400	Health Records in Alternate Settings	2
HIM2800	Coding Professional Practice Experience I	1

Year 2

1st Semester - Spring

HIM2214	Health Information Management Statistics	3
HIM2234C	Advanced ICD-10-PCS Coding and Lab	5
HIM2810	Professional Practice Experience II	2
HIM2500	Quality Assurance and Compliance	2

2nd Semester - Summer

	Humanities Core	3

3rd Semester - Fall

PSY1012	General Psychology	3
HIM2512	Health Information Systems Management	2
HIM2820	Professional Practice Experience III	2
HIM2920	Health Information Management Seminar	2
HIM2930	Special Topics in Health Information Technology	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 70

Hospitality Management, A.S. Degree

Program Information

A.S. Degree - Code 201200 - Catalog 2019/2020

Costa Magoulas, Dean, 386-506-3578, Costa.Magoulas@daytonastate.edu
Lisa Allen, Program Advisor, 386-506-3946, Lisa.Allen@daytonastate.edu

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. Identify the major sectors of the hospitality industry and discuss their interaction.
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 the five criteria that classify hotels.
5. Explain how effective communication skills are important to success as a hospitality supervisor and describe personal characteristics that affect communication skills.
6. Describe the organizational structure of operations within the hospitality industry.
7. Identify and use principles of legal and ethical supervision practices.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees charged per Food Production Course for Food Costs: $150
Uniforms: $75
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

General Education Core - 15 Credits

Communication - (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral | 3 |

Communications/Research/Presentation Skills

Mathematics or Natural Sciences (3 Credits)

Choose One Course

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
MGF2106	Survey in Mathematics	3
MGF2107	Mathematics for Liberal Arts	3
MAC1105	College Algebra	3

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences (3 credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities (3 credits)

Choose One Course

AML2050	Modern American Literature	3
ARH1000	Art Appreciation	3
HUM2210	Prehistory to Medieval Humanities	3
LIT2110	Masterpieces of World Literature I	3
MUL1010	Music Appreciation	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

FOS1201	Sanitation and Safety	3
FSS1202C	Food Production I and Lab	3
FSS1222C	Food Production II and Lab	3
FSS1270	Introduction to Craft Beer and Wine	3
FSS2284C	Catering and Buffet Management and Lab	3
HFT1000	Introduction to Hospitality Industry	3
HFT1410	Hotel Operations	3
HFT1940C	Hospitality Practicum I (Basic) and Lab	3
HFT1941C	Hospitality Practicum II (Intermediate) and Lab	3
HFT2276	Resorts: Management and Operations	3
HFT2282	Hospitality Supervision	3
HFT2454	Hospitality Purchasing and	3

Controls

HFT2500	Hospitality Marketing	3
HFT2750	Event Industry	3
HFT2780	Introduction to Gaming Operations	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
	Natural Sciences or Mathematics Core	3
FOS1201	Sanitation and Safety	3
HFT1000	Introduction to Hospitality Industry	3

Natural Sciences or Mathematics: Students seeking to transfer to Bachelor's program are recommended to complete MAC 1105 to satisfy their Mathematics core requirement.

2nd Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
FSS1202C	Food Production I and Lab	3
FSS1222C	Food Production II and Lab	3
FSS1270	Introduction to Craft Beer and Wine	3
HFT1940C	Hospitality Practicum I (Basic) and Lab	3

Summer Semester

| HFT1941C | Hospitality Practicum II (Intermediate) and Lab | 3 |
| HFT2282 | Hospitality Supervision | 3 |

Year 2

1st Semester

	Humanities Core	3
FSS2284C	Catering and Buffet Management and Lab	3
HFT1410	Hotel Operations	3
HFT2276	Resorts: Management and Operations	3
HFT2454	Hospitality Purchasing and Controls	3
HFT2750	Event Industry	3

2nd Semester

HFT2500	Hospitality Marketing	3
HFT2780	Introduction to Gaming Operations	3
	Social Sciences Core	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Industrial Management Technology (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 222100 - Catalog 2019/2020

Frank Snyder, Director, School of Workforce, 386-506-4205, Frank.Snyder@daytonastate.edu
Max Nagiel, Department Chair, 386-506-3829, Max.Nagiel@daytonastate.edu
John Weiss, 386-506-3792, John.Weiss@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Industrial Management Technology A.S. degree program is to prepare vocational students for entry-level employment in management or administration through innovative curriculum that emphasizes student success, promotes diversity, and provides the fundamental concepts, knowledge, and skills needed to meet local industry needs.

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.

A pre-admission consultation with Frank Snyder is required. Students must bring the following documentation to the consultation: unofficial transcripts and course descriptions from trade school or institute attended, a short narrative of technical training and career, a current resume, copies of certificates of completion/achievement in trade or craft, and other supporting documentation students might want to have evaluated. Credit will be awarded as BCT2990 (Technical Training) at 23 credit hours for an approved apprenticeship or career certificate program.

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.

AS Certificate That Leads To This Degree:

The following AS Certificate is embedded within this degree: Business Operations - Entrepreneurship - 091300 (p. 135) . 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 financial information for management-related decisions.
2. Generate effective communication of ideas, concepts and terminology.
3. Apply business related theories to problems, cases, or research papers.
4. Create business documentation using appropriate software.
5. Formulate a company marketing plan using 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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

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. The certificate or registered apprenticeship program will be evaluated based on requirements of the Conversion of Credit process, including proof of achievement of program outcomes. If approved, credit will be awarded as BCT2990 (Technical Training) for 23 credit hours.

Careers

Team leaders, shift supervisors, crew managers, project managers, foremen and project directors

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

General Education Courses

General Education Core - 15 Credits

Communication (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics (3 credits)

Choose One Course

MGF2106	Survey in Mathematics OR	3
MGF2107	Mathematics for Liberal Arts OR	3
MAC1105	College Algebra	3

Students seeking to transfer into DSC's Bachelor's programs should take MAC1105 to satisfy the mathematics core and meet program pre-requisites.

Social Sciences (3 credits)

Choose One Course

| ECO2013 | Principles of Macroeconomics | 3 |

Humanities (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

BCT2990	Technical Training	23
EGS1000	Professional Performance for Technicians	3
GEB1011	Introduction to Business	3
ISM2000	Business Information Processing	3
MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Accounting or Finance Elective (3 credits)

Choose One Course

ACG2021	Principles of Financial Accounting	3
APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3

Business Elective (3 credits) Choose One Course

BUL2241	Business Law I	3
ECO2023	Principles of Microeconomics	3
GEB2351	International Business	3
GEB2430	Ethics and Social Responsibility	3
MAN2021	Principles of Management	3
MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing in Business	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MNA2345	Supervision of Personnel	3
QMB1001	Business Math	3

Office Elective (1 credit) Choose One Course

OST1141	Keyboarding	1
OST2828	Business Presentation Software	1
OST2852	Excel for the Office	1

Sample Program of Study

Year 1

1st Semester and 2nd Semester

BCT2990	Technical Training	23

Year 2

1st Semester

ENC1101	Introduction to Composition	3
	Mathematics Core	3
ISM2000	Business Information Processing	3
GEB1011	Introduction to Business	3

Students seeking to transfer into DSC's Bachelor's programs should take MAC1105 to satisfy the mathematics core and meet program pre-requisites.

Business Elective (3 credits) Choose One Course

BUL2241	Business Law I	3
ECO2023	Principles of Microeconomics	3
GEB2351	International Business	3
GEB2430	Ethics and Social Responsibility	3
MAN2021	Principles of Management	3

MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing in Business	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MNA2345	Supervision of Personnel	3
QMB1001	Business Math	3

2nd Semester

	Social Sciences Core	3
MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Accounting or Finance Elective Choose One

ACG2021	Principles of Financial Accounting	3
APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3

Office Elective (1 credit) Choose One

OST1141	Keyboarding	1
OST2852	Excel for the Office	1
OST2828	Business Presentation Software	1

3rd Semester

EGS1000	Professional Performance for Technicians	3
SPC2608	Oral Communications/Research/Presentation Skills	3
	Humanities Core	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Notes

Upon completion of the second year, second semester under the recommended sample program of study, students are eligible to apply for the 091300 Certificate.

Interior Design Technology, A.S. Degree

Program Information

A.S. Degree - Code 207000 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Deborah Kirkland, Assistant Chair, 386-506-4158, Deborah.Kirkland@daytonastate.edu

Mina El Karmadi, Senior Staff Assistant, 386-506-4154, Mina.Elkarmadi@daytonastate.edu

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 primary purpose of this program is to prepare students for initial employment in the interior design, architecture, or construction industry. This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for careers in this field. Program competency-based applied learning covers the elements and principles of design, advanced hand and computer aided drawing skills, visual and oral presentation skills, technical and historical reference, and interior design concepts and theory.

Interior designers that wish to be licensed and practice commercial design are required by the Florida Department of Business and Professional Regulation, Board of Architecture and Interior Design to have a combination of six years of education and work experience and National Council for Interior Design Qualification Certification.

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.

AS Certificate That Leads To This Degree:

The following AS Certificate is embedded within this degree: Interior Design Technology - Kitchen and Bath Specialization - 081600 (p. 147) . 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. Apply elements and principles of design to interior space.
2. Execute appropriate, functional, and balanced space planning and furniture layout techniques.
3. Specify appropriate furniture, fixtures, equipment, materials, lighting, and accessories.
4. Identify interior building codes, regulations, and legislation relating to residential and non-residential spaces.
5. Analyze historical, cultural, and societal influences on structures, interiors, and furnishings.
6. Explain sustainability issues related to the design, construction, and maintenance of the built environment.
7. Communicate design concepts effectively through visual, written, and oral presentation skills.
8. Demonstrate employability skills and an understanding of entrepreneurship and systems for a professional practice.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees:	Refer to individual course descriptions
Other Costs:	Individual Art and Presentation Supplies - $500

General Education Courses

General Education Core - 15 Credits

Communication Core (6 credits)

ENC1101	Introduction to Composition	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 credits)

Choose One Course

MGF2106	Survey in Mathematics	3
MAC1105	College Algebra	3
MGF2107	Mathematics for Liberal Arts	3

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences Core (3 credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits)

ARH1000	Art Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

IND1432	Lighting for Interior Design	3
BCN1251C	Architectural Drawing I and Lab	3
BCN1253C	Architectural Drawing II and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
IND2408	Specialized Software for Interior Design	3
HHD1361	Practical Interior Applications	3
IND1233	Studio I-Fundamentals of Interiors	3
IND1211	History of Architecture & Interiors	3
IND1300	Graphics of Interior Design I	3
IND1429	Textiles for Commercial and Residential Interiors	3
IND1935	Building and Barrier Free Codes	3
IND2210	Interior Design Studio II	3
IND2220	Commercial Interior Design	3
IND2500	Professional Practices for the Design Industry	3
BCN2049	Sustainable Design & Construction	3
IND2949	Cooperative Education Experience in Interior Design	1

Elective Courses (Choose 9 credits)

CGS2100	Microcomputer Applications	3
DIG1109	Digital Imaging Fundamentals	3
IND2410	Kitchen and Bath Design I	3
IND2411	Materials and Estimating for Kitchen and Bath	3
IND2414	Kitchen and Bath Design II	3
BCN1210	Materials and Processes	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETD2395C	Architectural CAD and Lab	3

Sample Program of Study

Year 1

1st Semester

BCN1251C	Architectural Drawing I and Lab	3
IND2408	Specialized Software for Interior Design	3
IND1300	Graphics of Interior Design I	3
IND1211	History of Architecture & Interiors	3
IND1429	Textiles for Commercial and Residential Interiors	3

2nd Semester

ENC1101	Introduction to Composition	3
BCN1253C	Architectural Drawing II and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
IND1233	Studio I-Fundamentals of Interiors	3
	Elective	3

Summer Semester Term A - Six Weeks

	Social Sciences Core	3
	Elective	3

Summer Semester Term B - Six Weeks

ARH1000	Art Appreciation	3
	Mathematics Core	3

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
HHD1361	Practical Interior Applications	3
IND2220	Commercial Interior Design	3
BCN2049	Sustainable Design & Construction	3
	Elective	3

2nd Semester

IND1432	Lighting for Interior Design	3
IND2210	Interior Design Studio II	3
IND1935	Building and Barrier Free Codes	3
IND2500	Professional Practices for the Design Industry	3
IND2949	Cooperative Education Experience in Interior Design	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 75

Notes

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

Music Production Technology (Audio/Recording), A.S. Degree

Program Information

A.S. Degree - Code 220900 - Catalog 2019/2020

Douglas Peterson, Chairperson, SMEA, 386-506-3276, Doug.Peterson@daytonastate.edu
Aaron Swihart, 386-226-1933, Aaron.Swihart@daytonastate.edu

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 (p. 127). 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: See college catalog for lab fee requirements.

Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

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

General Education Core - 18 Credits

Communication Core (9 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra	3

Social Sciences Core - Choose One

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits)

Choose One Course

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
DAN1100	Dance Appreciation	3
HUM2020	Introduction to Humanities	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2000	Literature and Culture	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL1010	Music Appreciation	3
MUL2380	Popular Music in America	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

All Program Specific courses require a grade of "C" or better.

MUM1610	Survey of Recording Technology	3
MUM1622	Sound Reinforcement	3
MUM1634	The Digital Audio Workstation	1
MUM2600L	Audio Engineering I Lab	2
MUM2600	Audio Engineering I	3
MUM2601	Audio Engineering II	3
MUM2601L	Audio Engineering II Lab	2
MUM2603	Studio Maintenance	3
MUM2607	Soundtrack Development	3
MUM2609	Studio Production	3
MUM2640	Post Production Sound	3
MUM2700	Survey of Music Business	3
MUT1001	Fundamentals of Music	3
MVK1111	Applied Music-Group (Piano) I-II	1
MVK2121	Applied Music-Group (Piano) III-IV	1
	Ensemble Electives	3

Ensemble Electives - Students must enroll in an ensemble elective for 3 semesters for this program. See department chair for options.

Program Specific Electives-Choose Two (6 Hours)

MUM2611	Live Recording Techniques	3
MUM2677	Sound Reinforcement II	3
MUM2720	Music Publishing, Copyright and Intellectual Property	3
MUC2601	Introduction to Songwriting	3
MUM2722	Artist Management	3
MUM2730	Public Relations and Marketing for Music	3
MUM2728	Concert Production and Event Management	3
MUS1621	Acoustics and Psychoacoustics	3
MUM2716	Automated Show Control	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
	Mathematics Core	3
MUM1610	Survey of Recording Technology	3
MUM1622	Sound Reinforcement	3

MUM1634	The Digital Audio Workstation	1
MUT1001	Fundamentals of Music	3
MVK1111	Applied Music-Group (Piano) I-II	1

2nd Semester

ENC1102	Writing with Research	3
MUM2600	Audio Engineering I	3
MUM2600L	Audio Engineering I Lab	2
MUM2603	Studio Maintenance	3
MUM2700	Survey of Music Business	3
MVK2121	Applied Music-Group (Piano) III-IV	1
	Ensemble Elective	1

Ensemble Electives - Students must enroll in an ensemble elective for 3 semesters for this program. See department chair for options.

Summer Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
MUL1010	Music Appreciation OR	3
MUL2380	Popular Music in America	3

Year 2

1st Semester

MUM2601	Audio Engineering II	3
MUM2601L	Audio Engineering II Lab	2
MUM2609	Studio Production	3
	Ensemble Elective	1
	Program Specific Elective	3

Ensemble Electives - Students must enroll in an ensemble elective for 3 semesters for this program. See department chair for options.

2nd Semester

	Social Sciences Core	3
MUM2607	Soundtrack Development	3
MUM2640	Post Production Sound	3
	Ensemble Elective	1
	Program Specific Elective	3

Ensemble Electives - Students must enroll in an ensemble elective for 3 semesters for this program. See department chair for options.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 64

Network Systems Technology, A.S. Degree

Program Information

A.S. Degree - Code 200200 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Timothy Pintello, Assistant Chair, 386-506-4126, Timothy.Pintello@daytonastate.edu
Mina El Karmadi, Senior Staff Assistant, 386-506-4154, Mina.Elkarmadi@daytonastate.edu

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 Systems Technology program provides students with the technical credentials needed for IT (information technology) careers in computer network management, design, installation, maintenance and support. This program helps students learn the fundamentals of computer hardware, operating systems and network essentials. It shows students how to install, configure, maintain, troubleshoot and repair computers and networks. Students choose networking elective courses to further prepare to administer, configure, connect, plan, maintain, manage and secure complex local area and wide area networks. Depending upon network electives selected, the student can simultaneously complete industry certifications including Microsoft MCSA Certification, CompTIA A+, Network+, Linux+, Security+, Wireless Networking Certifications, and Cisco CCNA Certification. After completion, students may seek career jobs or transition into baccalaureate programs.

Students transferring into DSC's BSIT should take the following classes to maximize their articulation transfer to the BS program: MAC1105 to satisfy Mathematics core; CTS2321, CET1112C and EET1011C as Electives.

AS Certificates That Lead To This Degree:

The Network Server Administration - 090400 (p. 152) AS Certificates is embedded within this degree. 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. Analyze a problem, and identify and define the network services requirements appropriate to its solution.
2. Demonstrate proficiency in computer networking, maintenance and support of network based systems.
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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: Refer to course descriptions (p. 332) in the current college catalog.

General Education Courses

General Education Core - 15 Credits

Communication Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation | 3 |

Skills

Mathematics Core (3 credits)

| MGF2106 | Survey in Mathematics OR | 3 |
| MAC1105 | College Algebra | 3 |

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences Core (3 credits)

Choose One Course
DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits)

Choose One Course
AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
AML2600	Introduction to African American Literature	3
ARH1000	Art Appreciation	3
DAN1100	Dance Appreciation	3
HUM2230	Renaissance to Postmodern Humanities	3
HUM2210	Prehistory to Medieval Humanities	3
LIT2040	Dramatic Literature	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
LIT2380	Literature By Women	3
MUH2110	Introduction to Music History and Literature	3
MUL1010	Music Appreciation	3
THE1000	Theatre Appreciation	3
MUL2380	Popular Music in America	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses
CTS2306	Microsoft Windows Professional	3
CET2154	A+ Computer Repair	4
CTS2328	Managing and Maintaining a Windows Network Environment	3
CET2850	Wireless and Mobile Security	3
CET2660	Fundamentals of Network Security	3

CTS2370	Virtualization Infrastructure: Installation and Configuration	3
COP1000	Principles of Computer Programming	3
CIS2949	Cooperative Education Experience in Computer and Information Systems	1
CTS2321	Linux Fundamentals	3
CET1600	Network Plus	3
CIS2350	Principles of Information Assurance	3
EGS1000	Professional Performance for Technicians	3

Computer Elective (Choose 9 credit hours)

Recommended Security Concentration Electives

CGS2840	Cryptology	3
CIS2381	Foundations of Digital Forensics	3
	Computer Elective (3 Hrs.) - Any from the List	3

Recommended CISCO Concentration Electives

CET2615	Advanced Cisco Router Configuration	3
CET2620	Cisco Wide Area Network (WAN)	3
	Computer Elective (3 Hrs.) - Any from the List	3

Recommended Windows Concentration Electives

CTS2310	Designing Windows Network Security	3
CTS2320	Implementing, Managing and Maintaining a Windows Network Infrastructure	3
	Computer Elective (3 Hrs.) - Any from the List	3

Computer Electives List

EET1607C	Electronics Assembly and Cabling and Lab	3
CTS2311	Linux Networking and Security	3
COP2360	C# Programming	3
CTS2214	Project Management w/Microsoft Project	3
COP2800	Computer Programming Java	3
CET2625	Building Scalable Cisco Internetworks	3
CTS2302	Microsoft Windows Active Directory Services	3
CNT2402	Certified Ethical Hacker	3
EET1011C	Introduction to Electrical Circuits and Lab	3
CET1112C	Digital Fundamentals and	4

Lab

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
EGS1000	Professional Performance for Technicians	3
CET2154	A+ Computer Repair	4
COP1000	Principles of Computer Programming	3
	Social Sciences Core	3

2nd Semester

CET1600	Network Plus	3
CTS2321	Linux Fundamentals	3
CTS2306	Microsoft Windows Professional	3
	Humanities Core	3
	Mathematics Core	3

Summer Semester

| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Year 2

1st Semester

	Concentration	3
	Concentration	3
CIS2350	Principles of Information Assurance	3
CTS2370	Virtualization Infrastructure: Installation and Configuration	3
CET2850	Wireless and Mobile Security	3

2nd Semester

CTS2328	Managing and Maintaining a Windows Network Environment	3
	Concentration	3
CET2660	Fundamentals of Network Security	3
CIS2949	Cooperative Education Experience in Computer and Information Systems	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Notes

Any AS degree at Daytona State College will articulate into and allow admission into the BS programs offered at Daytona State College.

Nursing (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 207100 - Catalog 2019/2020

Nursing Office, 386-506-3250
Amy Szoka, Chair, 386-506-3720,
Amy.Szoka@daytonastate.edu
Patricha Dabney, Administrative Specialist, 386-506-3721, Patricha.Dabney@daytonastate.edu
Maria Smith, Staff Assistant, 386-506-3069,
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Program Mission, Description, and Outcomes

Mission:

The mission of the School of Nursing is to provide an innovative learning environment that promotes excellence in the field. Programs prepare students to exhibit professionalism, ethical behaviors and competency in meeting the dynamic health-care needs of individuals across the lifespan, amongst diverse cultures and across health-care continuums.

Description:

The associate degree nursing program prepares students to pursue a career in nursing by providing high quality instruction in classroom, laboratory 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: 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:

Graduates of the program will be able to:
1.
Seek creative approaches in meeting the needs of individuals, families, groups and communities across the lifespan.
2. Will determine the caring, spiritual and cultural needs of individuals, families, groups and communities across the lifespan.
3. Will select professional and technical resources to manage care for individuals, families, groups and communities across the lifespan.
4. Will propose best practices to meet the needs of individuals, families, groups and communities.
5. Will select system resources to provide optimal care for individuals, families, groups and communities.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Nursing Laboratory and Technology Fees (including liability insurance): Average $250 per semester
Textbook Estimate: $1,000
Uniforms: $150
Laboratory Supplies: $225
NCLEX Exam: $435
Background Check/ Drug Screening/ Document Tracker: $120

Additional Admission Requirements

• This is a limited access program. How to Apply to the ADN Program
• Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completed the General Education classes required.
• Completion of 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.

Additional Completion Requirements

- 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 1085C (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 (ATI TEAS) or TEAS V with minimum scores of 59 percentile composite, 63 percentile mathematics and 69 percentile reading is required for continuing enrollment approval.

- Students progressing to the bachelor of science in nursing program (BSN) program must complete the Humanities (6 credit) graduation requirement as established by Daytona State College for its Associate of Arts degree program. Students who are not progressing to the BSN can select a Humanities course from column I or II of the requirements established by Daytona State College for its Associate of Arts degree program.
- Courses must be taken in the sequence published in the sample program of study.

General Education Courses

General Education Core - 26 Credits

Communication Core (9 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 credits)

| MAC1105 | College Algebra | 3 |

Natural Sciences Core (8 credits)

| BSC1085C | Human Anatomy and Physiology I and Lab | 4 |
| BSC1086C | Human Anatomy & Physiology II and Lab | 4 |

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.

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
MUL1010	Music Appreciation	3
LIT2000	Literature and Culture	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Social Sciences Core (3 credits)

| PSY1012 | General Psychology | 3 |

Additional Required Courses - 4 Credits

| MCB1010C | Microbiology and Lab | 4 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

NUR1010	Foundations of Nursing Practice	3
NUR1020C	Nursing Process I and Lab	7
NUR1230C	Nursing Process III and Lab	7
NUR1423C	Nursing Process II and Lab	4
NUR2731C	Nursing Process IV and Lab	10
NUR2940C	Nursing Process V and Lab	11

Sample Program of Study

1st Semester (Prerequisite Courses)

ENC1101	Introduction to Composition	3
MAC1105	College Algebra	3
BSC1085C	Human Anatomy and Physiology I and Lab	4
PSY1012	General Psychology	3

2nd Semester

BSC1086C	Human Anatomy & Physiology II and Lab	4
MCB1010C	Microbiology and Lab	4
NUR1010	Foundations of Nursing Practice	3
NUR1020C	Nursing Process I and Lab	7

3rd Semester

ENC1102	Writing with Research	3
NUR1230C	Nursing Process III and Lab	7
NUR1423C	Nursing Process II and Lab	4

4th Semester

| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |
| NUR2731C | Nursing Process IV and Lab | 10 |

5th Semester

| | Humanities Core | 3 |
| NUR2940C | Nursing Process V and Lab | 11 |

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 72

Nursing (Transition Into Profession) (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 227100 - Catalog 2019/2020

Nursing Office, 386-506-3250
Amy Szoka, Chair, 386-506-3720,
Amy.Szoka@daytonastate.edu
Patricha Dabney, Administrative Specialist, 386-506-3721, Patricha.Dabney@daytonastate.edu

Maria Smith, Staff Assistant, 386-506-5069,
Maria.Smith@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the School of Nursing is to provide an innovative learning environment that promotes excellence in the field. Programs prepare students to exhibit professionalism, ethical behaviors and competency in meeting the dynamic health-care needs of individuals across the lifespan, amongst diverse cultures and across health-care continuums.

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 outpatient 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:

Graduates of the program will be able to:
1.
Seek creative approaches in meeting the needs of individuals, families, groups and communities across the lifespan.

2. Will determine the caring, spiritual and cultural needs of individuals, families, groups and communities across the lifespan.
3. Will select professional and technical resources to manage care for individuals, families, groups and communities across the lifespan.
4. Will propose best practices to meet the needs of individuals, families, groups and communities.
5. Will select system resources to provide optimal care for individuals, families, groups and communities.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Nursing Lab Fees (including liability insurance): Average $200 per semester
Textbook Estimate: $900
Uniforms: $150
Laboratory Supplies: $181
NCLEX Exam: $435
Background Check/ Drug Screening/ Document Tracker: $120

Additional Admission Requirements
- This is a limited access program. How to Apply to the ADN Program
- Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process after completing the General Education classes required.
- Have completed LPN, Paramedic, or RRT program and have one year working experience within the last three years. **Florida license as a practical nurse, or certification as a paramedic, or registered respiratory therapist. Students will be given ten semester hours of Advanced Standing for this licensure.
- LPNs must provide evidence of a current Florida license as a practical nurse. Paramedic and RRTs must provide evidence of Florida certification. Must be in good standing with the Board that regulates profession.

- RRT and Paramedic applicants must provide proof of employment as a Certified Nursing Assistant, completion of program of study, review program or provide evidence of a current Florida Certified Nursing Assistant license.
- Completion of the Test of Essential Academic Skills (TEAS AITS) or TEAS V with minimum adjusted individual total score of 59 percentile and 63 percentile mathematics and 69 percentile reading.
- 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.
- 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.

Additional Completion Requirements
- 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.

- Cumulative grade point average of 2.5 or better is the minimum required for consideration for continuing enrollment.
- Completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: ENC1101 (Introduction to Composition); MGF2106 (Survey in Mathematics) OR MAC1105 (College Algebra); BSC1085C (Human Anatomy and Physiology I and Lab); and PSY1012 (General Psychology).
- Students progressing to the bachelor of science in nursing program (BSN) program must complete the Humanities (6 credit) graduation requirement as established by Daytona State College for its Associate of Arts degree program. Students who are not progressing to the BSN can select a Humanities course from column I or II of the requirements established by Daytona State College for its Associate of Arts degree program.
- Courses must be taken in the sequence published in the sample program of study.

General Education Courses

General Education Core - 26 Credits

Communication Core (9 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Mathematics Core (3 credits)

| MAC1105 | College Algebra | 3 |

Natural Sciences Core (8 credits)

| BSC1085C | Human Anatomy and Physiology I and Lab | 4 |
| BSC1086C | Human Anatomy & Physiology II and Lab | 4 |

Students who choose the BSC 1085C/1086C 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.

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Social Sciences Core (3 credits)

| PSY1012 | General Psychology | 3 |

Additional Required Courses - 4 Credits

| MCB1010C | Microbiology and Lab | 4 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

NUR1322	Maternal Child Nursing for Transition into Professional Nursing Student	3
NUR1005C	Transition into Professional Nursing and Lab	8
NUR2731C	Nursing Process IV and Lab	10
NUR2940C	Nursing Process V and Lab	11

Subtotal: 32

Sample Program of Study

Advanced Standing

| NUR2990 | Advanced Standing | 10 |

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.

1st Semester (Prerequisite Courses)

ENC1101	Introduction to Composition	3
MAC1105	College Algebra	3
BSC1085C	Human Anatomy and Physiology I and Lab	4
PSY1012	General Psychology	3

2nd Semester

ENC1102	Writing with Research	3
BSC1086C	Human Anatomy & Physiology II and Lab	4
MCB1010C	Microbiology and Lab	4
NUR1005C	Transition into Professional Nursing and Lab	8
NUR1322	Maternal Child Nursing for Transition into Professional Nursing Student	3

3rd Semester

| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |
| NUR2731 C | Nursing Process IV and Lab | 1 0 |

4th Semester

| | Humanities Core | 3 |

NUR2940C   Nursing Process V and Lab   11

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 72

Occupational Therapy Assistant (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 221500 - Catalog 2019/2020

Mary Craig-Oatley, Assistant Chair, 386-506-3624, MaryBeth.Craig-Oatley@daytonastate.edu
Maggie Muszka, Administrative Assistant, 386-506-3080, Magdolna.Muszka@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@daytonastate.edu

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. Demonstrate the professional ethics, values, and responsibilities consistent with practice in occupational therapy (OT) in the role of an occupational therapy assistant (OTA).
2. Use skills in various occupational therapy applications/situations based on foundational concepts learned about communication, clinical reasoning, human body structures and functions, development, pathology, and behavior, and sociocultural conditions and health.
3. Explain how occupation is inherent to human health and participation in life, and is a foundation for OT knowledge and service delivery.
4. Apply the most appropriate occupational therapy theories, evaluation methods, intervention rationales and approaches, and expected outcomes in the process of client care.
5. Establish a client-centered, evidence-based approach to service delivery.
6. Apply the concepts of occupational therapy to a variety of delivery models and systems where OT is both currently practiced and emerging.
7. Direct own professional development through participation in professional organizations, community activities, and other opportunities and roles.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees (Including liability insurance): $197
Textbook Estimate: $1,000
Licensure Fees: $700
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 being considered for admission into the program: BSC1085C (Human Anatomy & Physiology I and Lab), ENC1101 (Introduction to Composition), PSY1012 (General Psychology), HSC1000 (Introduction to Health Care) and OTH1001 (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.
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- 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.
- 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.
- A felony conviction may affect admission into the program and graduate's ability to sit for the NBCOT certification examination or attain state licensure.

Additional Completion Requirements

- Submit completed application for continuing enrollment to the School of Health Careers.
- Applications for continuing enrollment are accepted January 1st through April 30th.
- 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.
- All OTA students must complete Level II Fieldwork within 18 months following completion of academic course preparation.

General Education Courses

General Education Core - 20 Credits

General Education courses must be completed with a grade 'C' or better.

Communication Core (3 credits)

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics	3
	OR	
MAC1105	College Algebra	3
	OR	
MGF2107	Mathematics for Liberal Arts	3

Natural Sciences Core (8 credits)

BSC1085C	Human Anatomy and Physiology I and Lab	4
BSC1086C	Human Anatomy & Physiology II and Lab	4

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
PHI2010	Introduction of Philosophy	3
MUL1010	Music Appreciation	3
THE1000	Theatre Appreciation	3

Social Sciences Core (3 credits)

PSY1012	General Psychology	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program specific courses must be completed with a grade 'C' or better.

OTH1001	Introduction to Occupational Therapy	3
OTH1003	Human Occupation Across the Lifespan	3
OTH1006	Occupational Therapy Documentation	2
OTH1014C	Analysis of Human Movement and Lab	3
OTH1114C	Occupational Therapy Skills and Techniques I and Lab	2
OTH1800	Occupational Therapy Practicum I	1
OTH1802	Occupational Therapy Practicum II	2
OTH2261C	Occupational Therapy Skills and Techniques II and Lab	3
OTH2264C	Occupational Therapy Skills and Techniques III and Lab	3
OTH2300	Psychosocial Occupational Therapy	4
OTH2410	Conditions in Occupational Therapy	3
OTH2420C	Occupational Therapy for Physical Dysfunction	4
OTH2520C	Developmental Issues and Lab	3
OTH2704C	Advanced Practice and Professionalism for OTA	4
OTH2840	O.T. Supervised Clinical Practice I	5
OTH2841	O.T. Supervised Clinical Practice II	5
OTH2933	O.T. Seminar for Clinical Practice	1

Sample Program of Study

Prerequisite Courses

ENC1101	Introduction to Composition	3
BSC1085C	Human Anatomy and Physiology I and Lab	4
HSC1000	Introduction to Health Care	3
OTH1001	Introduction to Occupational Therapy	3
PSY1012	General Psychology	3

Year 1

1st Semester

MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra OR	3
MGF2107	Mathematics for Liberal Arts	3
BSC1086C	Human Anatomy & Physiology II and Lab	4
OTH1003	Human Occupation Across the Lifespan	3
OTH1114C	Occupational Therapy Skills and Techniques I and Lab	2
OTH2410	Conditions in Occupational Therapy	3

2nd Semester

OTH1006	Occupational Therapy Documentation	2
OTH1014C	Analysis of Human Movement and Lab	3
OTH1800	Occupational Therapy Practicum I	1
OTH2300	Psychosocial Occupational Therapy	4
OTH2261C	Occupational Therapy Skills and Techniques II and Lab	3

Summer Semester

OTH2420C	Occupational Therapy for Physical Dysfunction	4

Year 2

1st Semester

OTH1802	Occupational Therapy Practicum II	2
OTH2264C	Occupational Therapy Skills and Techniques III and Lab	3
OTH2520C	Developmental Issues and Lab	3
OTH2704C	Advanced Practice and Professionalism for OTA	4

2nd Semester

	Humanities Core	3
OTH2840	O.T. Supervised Clinical Practice I	5
OTH2841	O.T. Supervised Clinical Practice II	5
OTH2933	O.T. Seminar for Clinical Practice	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 74

Office Administration (General, Legal or Medical Specializations), A.S. Degree

Program Information

A.S. Degree - Code 222900 - Catalog 2019/2020

Linda Cupick, Assistant Chair, 386-506-3511, Linda.Cupick@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Office Administration A.S. degree program is to prepare students through the use of an innovative curriculum to provide administrative support to a manager or a department performing general clerical and project related tasks, and to provide day-to-day operational and administrative skills to meet local industry needs.

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 year of study, are eligible to receive the Office Support and the Office Management Certificate. Additionally, in the second year of study the student will have the option of focusing in Office, Legal Office or Medical Office Specializations.

Graduates of this program are eligible to be enrolled in Daytona State College, Bachelor of Applied Science in Supervision and Management program. Call (386) 506-4BAS or email BASinfo@daytonastate.edu for details.

AS Certificates That Lead To This Degree:

The following AS Certificates are embedded within this degree: Office Management - 091400 (p. 153); Office Support (Technical Certificate) - 092600 (p. 154). 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. 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.
Financing Options: All students are encouraged to apply for federal and state student financial 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.

General Education Courses

General Education Core - 15 Credits

Communication Core (6 credits)

ENC1101	Introduction to Composition	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Natural Sciences or Mathematics (3 credits)

Choose One Course

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
BSC1020	Human Biology	3
MAC1105	College Algebra	3
MGF2106	Survey in Mathematics	3
MGF2107	Mathematics for Liberal Arts	3

MAC1105: 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.

MGF2106: Survey in Mathematics is a suggested Math course for Office Administration students; students focusing in Legal or Medical may choose to take a natural science course listed.

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Social Sciences Core (3 credits)

| GEB2430 | Ethics and Social Responsibility | 3 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program specific courses require a "C" or better.

ISM2000	Business Information Processing	3
GEB1011	Introduction to Business	3
MNA2161	Customer Service Management	3
OST1100	Keyboarding and Formatting I	3
OST1110	Keyboarding and Formatting II	3
OST1330	Business English	3
OST2336	Business Communications	3
OST2401	Basic Office Procedures	3
OST2501	Office Management	3
OST2713	Advanced Computer Software Applications	3

Additional Required Course

| SLS1122 | Managing Your Success | 3 |

SLS1122 is a graduation requirement for students in this A.S. degree.

Office Specialization Courses

Requirements 12 credits

APA1111	Office Accounting I	3
APA1711	Computerized Spreadsheet	3
BUL2241	Business Law I	3
QMB1001	Business Math	3

Legal Specialization Courses

Requirements 12 credits

BUL2241	Business Law I	3
OST1435	Legal Terminology	3
OST2431	Legal Office Procedures	3
PLA2763	Law Office Management	3

OST2431: Upon completion of the first year (Fall, Spring, and Summer semesters) sample program of study, students are eligible to apply for Office Support Technical certificate 092600, and the Office Management College credit certificate 091400.

Medical Specialization Courses

Requirements 12 credits

APA1711	Computerized Spreadsheet	3
HSC1531	Medical Terminology	4
HIM2012	Legal Aspects of Health Records	2
OST2461	Medical Office Procedures	3

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
OST1100	Keyboarding and Formatting I	3
OST1330	Business English	3
OST2401	Basic Office Procedures	3
SLS1122	Managing Your Success	3

2nd Semester

ISM2000	Business Information Processing	3
MNA2161	Customer Service Management	3
OST2336	Business Communications	3
OST2501	Office Management	3
OST2713	Advanced Computer Software Applications	3

Summer Semester

| OST1110 | Keyboarding and Formatting II | 3 |

Year 2

1st Semester

GEB1011	Introduction to Business	3
GEB2430	Ethics and Social Responsibility	3
SPC2608	Oral Communications/Research/Presentation Skills	3
	AND	
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
	OR	
BSC1020	Human Biology	3
	OR	
	Mathematics Core	3

2nd Semester

Office Specialization Only

	Humanities Core	3
APA1111	Office Accounting I	3
APA1711	Computerized Spreadsheet	3
BUL2241	Business Law I	3
QMB1001	Business Math	3

Legal Specialization Only

	Humanities Core	3
BUL2241	Business Law I	3
OST1435	Legal Terminology	3
OST2431	Legal Office Procedures	3
PLA2763	Law Office Management	3

Medical Specialization Only

	Humanities Core	3
APA1711	Computerized Spreadsheet	3
HIM2012	Legal Aspects of Health Records	2
HSC1531	Medical Terminology	4
OST2461	Medical Office Procedures	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Paralegal Studies (Legal Assisting), A.S. Degree

Program Information

A.S. Degree - Code 206200 - Catalog 2019/2020

Linda Cupick, Assistant Chair, 386-506-3511, Linda.Cupick@daytonastate.edu
Todd Richardson, 386-785-2054, Todd.Richardson@daytonastate.edu
School of Business Admin., 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Paralegal Studies A.S. degree program is to provide students with a solid foundation in procedural and substantive areas of law which prepares students for employment in law firms, government agencies, and corporations through an innovative curriculum that emphasizes student success, promotes diversity, and provides the fundamental concepts, knowledge, and skills needed to excel in the legal field.

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. Apply ethical and professional standards of the paralegal profession.
3. 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 probate procedures.
8. Identify the fundamental principles of the law of business organizations.
9. Explain contract law and the Uniform Commercial Code's impact on individuals and business entities.
10. Demonstrate knowledge of entrepreneurship, management techniques and procedures.
11. Apply knowledge of family law and procedures.
12. Identify and demonstrate employability skills.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

General Education Courses

General Education Core - 15 Credits

Communication (6 credits)

ENC1101	Introduction to Composition	3
SPC2608	Oral Communications/Research/Presentation Skills	3

Natural Sciences or Mathematics (3 credits)

Choose One Course

BSC1020	Human Biology	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
MGF2106	Survey in Mathematics	3
MGF2107	Mathematics for Liberal Arts	3
MAC1105	College Algebra	3

Social Sciences (3 credits)

GEB2430	Ethics and Social Responsibility	3

Humanities (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program specific courses require a "C" or better.

BUL2241	Business Law I	3
BUL2242	Business Law II	3
ISM2000	Business Information Processing	3
OST1141	Keyboarding OR	1
OST2828	Business Presentation Software	1
OST1435	Legal Terminology	3
PLA1003	Introduction to Paralegal	3
OST2431	Legal Office Procedures	3
PLA1103	Legal Writing and Research I	3
PLA1610	Real Estate Law and Property	3
PLA1800	Law of Domestic Relations	3
PLA2114	Legal Writing and Research II	3
PLA2200	Introduction to Litigation, Torts and Evidence	3
PLA2303	Criminal Law and the Paralegal	3
PLA2460	Bankruptcy Law	3
PLA2600	Probate Administration	3

PLA2763	Law Office Management OR	3
PLA2949	Cooperative Education Experience in Legal Assisting	1-4
PLA2880	Constitutional Law	3

OST1141: 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.

Sample Program of Study

Year 1

1st Semester

BUL2241	Business Law I	3
ENC1101	Introduction to Composition	3
OST1141	Keyboarding OR	1
OST2828	Business Presentation Software	1
OST1435	Legal Terminology	3
PLA1003	Introduction to Paralegal	3

OST1141: 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.

2nd Semester

PLA1103	Legal Writing and Research I	3
PLA1800	Law of Domestic Relations	3
	Natural Sciences or Mathematics Core	3
BUL2242	Business Law II	3
GEB2430	Ethics and Social Responsibility	3

Summer Semester

ISM2000	Business Information Processing	3

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
PLA2200	Introduction to Litigation, Torts and Evidence	3
PLA2303	Criminal Law and the Paralegal	3
PLA1610	Real Estate Law and Property	3
PLA2114	Legal Writing and Research II	3

2nd Semester

PLA2460	Bankruptcy Law	3

OST2431	Legal Office Procedures	3
PLA2600	Probate Administration	3
PLA2880	Constitutional Law	3
	Humanities Core	3
PLA2763	Law Office Management	3
	OR	
PLA2949	Cooperative Education Experience in Legal Assisting	1-4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 64

Notes

It is recommended that the above sequence of courses be followed.

1. 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.
2. 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.

Photographic Technology, A.S. Degree

Program Information

A.S. Degree - Code 207500 - Catalog 2019/2020

Daniel Biferie, Chairperson, 386-506-3581, Daniel.Biferie@daytonastate.edu
Bradley Moody, Assistant Chair, 386-506-4469, Bradley.Moody@daytonastate.edu
Roger Linke, Program Advisor, 386-506-3280, Roger.Linke@daytonastate.edu
Cathy Shone, 386-506-3891, Cathy.Shone@daytonastate.edu

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. Students must earn a 2.0 GPA in all photography courses and a 2.0 cumulative GPA for all Daytona State courses to complete the program.

Program Outcomes:

1. Utilize a workflow that includes cameras, photographic gear and digital editing software for still photography and video to achieve technical and aesthetic proficiency.
2. Develop skills in the fields of commercial, editorial and fine arts photography, preparing students for entry-level positions.
3. Achieve competency in the creative process and in critical thinking as it pertains to photography and its related fields.
4. Demonstrate professional, interpersonal and business communication skills working as individuals and groups/creative teams within the field of photography.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: $725 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

Textbook Estimate: $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.

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

General Education Core - 15 credits

Communication Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics OR	3
MAC1105	College Algebra OR	3
MGF2107	Mathematics for Liberal Arts	3

Social Sciences Core (3 credits)

| PSY1012 | General Psychology OR | 3 |
| SYG2000 | Introduction to Sociology | 3 |

Humanities Core (3 credits)

| ARH2050 | Survey of Art History I OR | 3 |
| ARH2051 | Survey of Art History II | 3 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

PGY1101	Photography as an Art Form	4
PGY1115	Color Theory and Processes	7
PGY1201	Introduction to Studio and Location Photography	4
PGY1800	Photography and Image Making	4
PGY1802	Digital Image Processing and Applications	3
PGY2000	History and Aesthetics Photography	3
PGY2107	Commercial/Illustration Photography	4
PGY2210	Professional Studio Portraiture	4
PGY2270	Field Survey in Professional Photography	1
PGY2273	Professional Photographic Business Practices	3
PGY2650	Editorial Photography	4
PGY2750	Introduction to Video Production	4
PGY2806	Fine Arts Digital Photography	4

PGY1800: These courses may be substituted for those students who are given Advanced Placement in the photography program. By Permission Only.

PGY1100 Photography I (3) or

PGY2801 Digital Photography (3) or

PGY2470 Advanced Photo Workshop (1-4) or

PGY2935 Portfolio Workshop (4)

Sample Program of Study

Year 1

1st Semester

ENC1101	Introduction to Composition	3
PGY1101	Photography as an Art Form	4
PGY1800	Photography and Image Making	4
PGY1802	Digital Image Processing and Applications	3

2nd Semester

MAC1105	College Algebra OR	3
MGF2106	Survey in Mathematics OR	3
MGF2107	Mathematics for Liberal Arts	3
PGY1201	Introduction to Studio and Location Photography	4
PGY2000	History and Aesthetics Photography	3

PGY2806	Fine Arts Digital Photography	4

Summer Semester

PGY1115	Color Theory and Processes	7
PGY2270	Field Survey in Professional Photography	1

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
PGY2210	Professional Studio Portraiture	4
PGY2273	Professional Photographic Business Practices	3
PGY2650	Editorial Photography	4

2nd Semester

ARH2050	Survey of Art History I OR	3
ARH2051	Survey of Art History II	3
SYG2000	Introduction to Sociology OR	3
PSY1012	General Psychology	3
PGY2107	Commercial/Illustration Photography	4
PGY2750	Introduction to Video Production	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 64

Notes

For assistance with career planning, contact your DSC Career Advisor through CareerServices@DaytonaState.edu or log www.myinterfase.com/student and create your personal career development account.

Physical Therapist Assistant (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 221600 - Catalog 2019/2020

Robert Wagner, Assistant Chair, 386-506-3752, Robert.Wagner@daytonastate.edu
Maggie Muszka, Administrative Assistant, 386-506-3080, Magdolna.Muszka@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Physical Therapist Assistant Program promotes the ideals of the Daytona State College Mission Statement of emphasizing student success, embracing excellence and diversity, as well as fostering innovation to enhance teaching and learning. Each student in the PTA Program will receive academic and clinical experiences to provide them with a professional foundation to become an effective, responsible, licensed and contributing team member in Physical Therapy.

Description:

The program prepares graduates to work in physical therapy. Physical Therapy is a health and rehabilitation profession that provides services to individuals of all ages with physical dysfunction including those suffering from strokes, heart disease, arthritis, diabetes, serious burns, neurological and orthopedic disorders. The profession tailors the rehabilitation process individually for each patient and through evaluation and treatment, seeks to restore or improve impaired functions. Physical therapy strives to help patients attain a maximum level of independent living by developing the capacities that remain after disease, accident or deformity. Job title: Physical Therapist Assistant. The Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education. Graduates, upon completion of the program, apply for state licensure.

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.capteonline.org/. If needing to contact the program/institution directly, please call 386-506-3752 or email Robert.Wagner@DaytonaState.edu.

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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

Approximate Additional Costs

Lab Fees (including liability insurance): $155

Textbooks Estimate: $1,000Uniforms: $100

Laboratory Supplies: $100Licensure 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.
- 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.
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- 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 is required. 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 grade of '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.

Additional Completion Requirements

- 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.
- Completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: BSC1085C (Human Anatomy & Physiology I and Lab), ENC1101 (Introduction to Composition), PHT1006 (Introduction to Physical Therapy), and MAC1105 (College Algebra) or MGF2106 (Survey in Mathematics).
- Cumulative grade point average of 2.5 or better to apply for continuing enrollment.
- 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 successfully completed all prerequisite and all

corequisites by the application deadline will be ranked higher for program consideration.

General Education Courses

General Education Core - 20 Credits

Communication Core (3 credits)

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

MGF2106	Survey in Mathematics	3
	OR	
MAC1105	College Algebra	3

Natural Sciences Core (8 credits)

BSC1085C	Human Anatomy and Physiology I and Lab	4
BSC1086C	Human Anatomy & Physiology II and Lab	4

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
MUL1010	Music Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Social Sciences Core (3 credits)

PSY1012	General Psychology	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

PHT1006	Introduction to Physical Therapy	3
PHT1128	Kinesiology of PTA	4
PHT1251	Patient Care Skills	2
PHT1251L	Patient Care Skills Lab	2
PHT1300	Pathology for PTA	4
PHT2129	Neuroscience for PTA	2
PHT2140	Rehabilitation Skills for PTA	3
PHT2140L	Rehabilitation Skills Lab	1
PHT2211	Modalities I	2
PHT2211L	Modalities I Lab	1
PHT2214	Modalities II	1
PHT2214L	Modalities II Lab	1
PHT2220	Therapeutic Exercise I	3
PHT2220L	Therapeutic Exercise I Lab	2
PHT2221	Therapeutic Exercise II	4
PHT2221L	Therapeutic Exercise II Lab	2
PHT2235	Therapeutic Exercise III	4
PHT2235L	Therapeutic Exercise III Lab	2

PHT2804	PTA Clinical Practicum I	3
PHT2810	PTA Clinical Practicum II	2
PHT2820	PTA Clinical Practicum III	3
PHT2931	PTA Seminar	3

PHT1006 fulfills the graduation requirement for the basic use of computers for this program.

PHT1251 fulfills the graduation requirement for Oral Communications for this program.

Sample Program of Study

Prerequisite Courses

ENC1101	Introduction to Composition	3
MGF2106	Survey in Mathematics	3
	OR	
MAC1105	College Algebra	3
PHT1006	Introduction to Physical Therapy	3
BSC1085C	Human Anatomy and Physiology I and Lab	4

PHT1006 fulfills the graduation requirement for the basic use of computers for this program.

Year 1

1st Semester (Pro. Phase) Spring

BSC1086C	Human Anatomy & Physiology II and Lab	4
PHT1128	Kinesiology of PTA	4
PHT1251	Patient Care Skills	2
PHT1251L	Patient Care Skills Lab	2
PHT2220	Therapeutic Exercise I	3
PHT2220L	Therapeutic Exercise I Lab	2

PHT1251 fulfills the graduation requirement for Oral Communications for this program.

2nd Semester - Summer

PSY1012	General Psychology	3
PHT2211	Modalities I	2
PHT2211L	Modalities I Lab	1
PHT2221	Therapeutic Exercise II	4
PHT2221L	Therapeutic Exercise II Lab	2
PHT2129	Neuroscience for PTA	2

Year 2

1st Semester - Fall

PHT2804	PTA Clinical Practicum I	3
PHT1300	Pathology for PTA	4
PHT2214	Modalities II	1
PHT2214L	Modalities II Lab	1
PHT2235	Therapeutic Exercise III	4
PHT2235L	Therapeutic Exercise III Lab	2

2nd Semester - Spring

	Humanities Core	3
PHT2140	Rehabilitation Skills for PTA	3
PHT2140L	Rehabilitation Skills Lab	1
PHT2810	PTA Clinical Practicum II	2
PHT2820	PTA Clinical Practicum III	3
PHT2931	PTA Seminar	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 74

Radiography (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 203700 - Catalog 2019/2020

Dee Vanlandingham, Assistant Chair,
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Maggie Muszka, Staff Assistant, 386-506-3080,
Magdolna.Muszka@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052,
Melissa.Brown@daytonastate.edu

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.

Note: Effective Spring 2016, the course credit hours for the following courses will be changed: RTE 1523 - 4 Semester Hours, RTE 2844 - 4 Semester Hours, RTE 1804 - 4 Semester Hours, RTE 2854 - 6 Semester Hours.

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

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.
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- 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.

- Completion of the Test of Essential Academic Skills (TEAS V) with a minimum adjusted individual total score of 59 percentile and 63 percentile mathematics and 69 percentile reading is required for admission into the Radiography program.
- Prospective students must be of good physical and mental health.
- Admissions into the program will be contingent on the satisfactory completion of both a drug screen and a background check consisting of a fingerprint check of state and federal criminal history information conducted through the Florida Department of Law Enforcement (FDLE) (Level 2) and Federal Bureau of Investigation (FBI).
- A pre-admission consultation with the assistant chair is strongly recommended after applicant packet is received.
- Students will be held accountable for the policies and procedures of the Radiography program as outlined in the Radiography student handbook, as well as the College Student handbook.

Additional Completion Requirements

- 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 DeeAnn.Vanlandingham@halifax.org. or http:///www.halifaxhealth.org/formedicalprofessionals/radiography_program.aspx
- Completion of the following courses with a grade of 'C' or better is required before application is considered for continuing enrollment: BSC1085C (Human Anatomy and Physiology I and Lab), ENC1101 (Introduction to Composition), MAC1105 (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.

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

General Education Core - 16 Credits

General Education courses must be completed with a grade of 'C' or better.

Communication Core (3 credits)

| ENC1101 | Introduction to Composition | 3 |

Mathematics Core (3 credits)

| MAC1105 | College Algebra | 3 |

Natural Sciences Core (4 credits)

| BSC1085C | Human Anatomy and Physiology I and Lab | 4 |

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3

Social Sciences Core (3 credits)

| PSY1012 | General Psychology | 3 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program specific courses must be completed with a grade of 'C' or better.

CGS2100	Microcomputer Applications	3
RTE1000	Fundamentals of Radiologic Technology	1
RTE1001	Medical Terminology for Radiographers	1
RTE1418	Radiographic Exposures and Processing	2
RTE1457	Radiographic Exposures II	2
RTE1503	Radiographic Procedures I	2
RTE1503L	Radiographic Procedures Lab I	1
RTE1513	Radiographic Procedures II	2
RTE1513L	Radiographic Procedures Lab II	1
RTE1523	Radiographic Procedures III	4
RTE1804	Radiographic Clinical Education I	4
RTE1814	Radiographic Clinical Education II	3

RTE1824	Radiographic Clinical Education III	5
RTE2385	Radiation Biology and Protection	2
RTE2563	Selected Radiographic Special Procedures I	3
RTE2573	Selected Radiographic Special Procedures II	3
RTE2613	Radiation Physics I	3
RTE2623	Radiation Physics II	3
RTE2782	Radiographic Pathology	1
RTE2834	Radiographic Clinical Education IV	5
RTE2844	Radiographic Clinical Education V	4
RTE2854	Radiographic Clinical Education VI	6

RTE2782 meets the graduation requirement for Oral Communications for this program.

Sample Program of Study

Prerequisite Courses

ENC1101	Introduction to Composition	3
MAC1105	College Algebra	3
BSC1085C	Human Anatomy and Physiology I and Lab	4

Year 1

1st Semester - Spring

	Humanities Core	3
RTE1000	Fundamentals of Radiologic Technology	1
RTE1418	Radiographic Exposures and Processing	2
RTE1804	Radiographic Clinical Education I	4
RTE1503	Radiographic Procedures I	2
RTE1503L	Radiographic Procedures Lab I	1

2nd Semester - Summer

RTE1457	Radiographic Exposures II	2
RTE1001	Medical Terminology for Radiographers	1
RTE1513	Radiographic Procedures II	2
RTE1513L	Radiographic Procedures Lab II	1
RTE1814	Radiographic Clinical Education II	3

3rd Semester - Fall

PSY1012	General Psychology	3
CGS2100	Microcomputer Applications	3
RTE1523	Radiographic Procedures III	4
RTE1824	Radiographic Clinical Education III	5

Year 2

1st Semester - Spring

RTE2613	Radiation Physics I	3
RTE2834	Radiographic Clinical Education IV	5
RTE2563	Selected Radiographic Special Procedures I	3

2nd Semester - Summer

RTE2573	Selected Radiographic Special Procedures II	3
RTE2623	Radiation Physics II	3
RTE2844	Radiographic Clinical Education V	4

3rd Semester - Fall

RTE2782	Radiographic Pathology	1
RTE2854	Radiographic Clinical Education VI	6
RTE2385	Radiation Biology and Protection	2

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 77

Respiratory Care (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 221700 - Catalog 2019/2020

Melanie McDonough, Assistant Chair, 386-506-3759, Melanie.McDonough@daytonastate.edu
Maggie Muszka, Administrative Assistant, 386-506-3080, Magdolna.Muszka@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@daytonastate.edu

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.

Program Educational Outcomes: To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

Outcomes: (Program Goals)

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab Fees: Program Specific RET Courses @ $467; Science Courses @ $193
Uniforms: $150
Stethoscope/Scissors: $50
Textbook Estimate: $1,000
FDLE/FBI Background Screening: up to $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.

-

Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
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.

- 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.
- 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.

Additional Completion Requirements

- Completion of the following courses with a grade of 'C' or better is required before submitting a request for continuing enrollment: BSC1085C (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.
- 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. Interview criteria has been established using a point system and are as objective as possible. 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.
- 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 corequisite courses will be considered more favorably.
- Upon completion of the program, students are eligible for articulation into most BS Cardiopulmonary or Respiratory Care degree programs.

General Education Courses

General Education Core - 27 Credits

General Education courses must be completed with a grade 'C' or better.

Communication Core (3 credits)

| ENC1101 | Introduction to Composition | 3 |

Mathematics Core (3 credits)

| MAC1105 | College Algebra | 3 |

| | OR | |
| MGF2106 | Survey in Mathematics | 3 |

Natural Sciences Core (15 credits)

BSC1085C	Human Anatomy and Physiology I and Lab	4
BSC1086C	Human Anatomy & Physiology II and Lab	4
MCB1010C	Microbiology and Lab	4
PSC1121	Physical Science	3

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Social Sciences Core (3 credits)

| PSY1012 | General Psychology | 3 |

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Program specific courses must be completed with a grade 'C' or better.

RET1025C	Principles of Respiratory Care and Lab	4
RET1026C	Basic Equipment of Respiratory Care and Lab	3
RET1264C	Advanced Equipment of Respiratory Care and Lab	3
RET1265C	Mechanical Ventilation and Lab	4
RET1295	Chest Medicine	3
RET1450	Basic Physiologic Monitoring	3
RET1485	Cardiopulmonary Anatomy and Physiology	4
RET1874	Clinical Respiratory Care I	4
RET1875	Clinical Respiratory Care II	4
RET2244	Life Support	3
RET2350	Cardiopulmonary Pharmacology	4
RET2714	Neonatal and Pediatric Respiratory Care	3
RET2876	Clinical Respiratory Care III	4
RET2934	Respiratory Care Seminar	3

Sample Program of Study

Prerequisite Courses

| ENC1101 | Introduction to Composition | 3 |

BSC1085C	Human Anatomy and Physiology I and Lab	4
MAC1105	College Algebra	3
	OR	
MGF2106	Survey in Mathematics	3

Year 1

1st Semester

BSC1086C	Human Anatomy & Physiology II and Lab	4
RET1025C	Principles of Respiratory Care and Lab	4
RET1026C	Basic Equipment of Respiratory Care and Lab	3
RET1485	Cardiopulmonary Anatomy and Physiology	4

2nd Semester

PSC1121	Physical Science	3
RET1264C	Advanced Equipment of Respiratory Care and Lab	3
RET1265C	Mechanical Ventilation and Lab	4
RET1295	Chest Medicine	3
RET2350	Cardiopulmonary Pharmacology	4

Summer Semester

RET1450	Basic Physiologic Monitoring	3
RET1874	Clinical Respiratory Care I	4

Year 2

1st Semester

RET2244	Life Support	3
PSY1012	General Psychology	3
RET2714	Neonatal and Pediatric Respiratory Care	3
RET1875	Clinical Respiratory Care II	4

2nd Semester

	Humanities Core	3
MCB1010C	Microbiology and Lab	4
RET2876	Clinical Respiratory Care III	4
RET2934	Respiratory Care Seminar	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 76

Simulation and Robotics Technology, A.S. Degree

Program Information

A.S. Degree - Code 220400 - Catalog 2019/2020

Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Mina El Karmadi, 386-506-4154, Mina.Elkarmadi@daytonastate.edu

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Lab fees: See catalog descriptions (p. 332) for program specific courses.

General Education Courses

General Education Core - 15 credits

Communication Core (6 credits)

| ENC1101 | Introduction to Composition | 3 |
| SPC2608 | Oral Communications/Research/Presentation Skills | 3 |

Mathematics Core (3 credits)

| MAC1105 | College Algebra | 3 |

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Social Sciences Core (3 credits)

Choose One Course

DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Humanities Core (3 credits)

Choose One Course

AML2050	Modern American Literature	3
AML2060	Contemporary American Literature	3
ARH1000	Art Appreciation	3
AML2600	Introduction to African American Literature	3
HUM2210	Prehistory to Medieval Humanities	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
MUL1010	Music Appreciation	3
MUL2380	Popular Music in America	3
THE1000	Theatre Appreciation	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

CAP1801	Simulation Fundamentals	3
CAP2023	Introduction to Game Programming	3
CAP2949	Cooperative Education Experience in Simulation and Robotics	1
CET1112C	Digital Fundamentals and Lab	4
CET1600	Network Plus	3
CET2154	A+ Computer Repair	4
CGS2100	Microcomputer Applications	3
CIS2350	Principles of Information Assurance	3
COP1000	Principles of Computer Programming	3
EET1011C	Introduction to Electrical Circuits and Lab	3
EET1021C	Advanced Electrical Circuits and Lab	3
EET1141C	Analog Devices and Circuits and Lab	4
EET1607C	Electronics Assembly and Cabling and Lab	3
EGS1000	Professional Performance for Technicians	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3

Sample Program of Study

Year 1

1st Semester

| | Mathematics Core | 3 |
| CET2154 | A+ Computer Repair | 4 |

COP1000	Principles of Computer Programming	3
EET1011C	Introduction to Electrical Circuits and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3

2nd Semester

ENC1101	Introduction to Composition	3
CAP1801	Simulation Fundamentals	3
CET1600	Network Plus	3
EET1021C	Advanced Electrical Circuits and Lab	3
EGS1000	Professional Performance for Technicians	3

Summer A

| CGS2100 | Microcomputer Applications | 3 |

Summer B

| | Social Sciences Core | 3 |

Year 2

1st Semester

CAP2023	Introduction to Game Programming	3
CIS2350	Principles of Information Assurance	3
CET1112C	Digital Fundamentals and Lab	4
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3

2nd Semester

	Humanities Core	3
SPC2608	Oral Communications/Research/Presentation Skills	3
CAP2949	Cooperative Education Experience in Simulation and Robotics	1
EET1141C	Analog Devices and Circuits and Lab	4
EET1607C	Electronics Assembly and Cabling and Lab	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 68

Surgical Technology, (Limited Access Program), A.S. Degree

Program Information

A.S. Degree - Code 223500 - Catalog 2019/2020

Dana Bancer, Assistant Chair, 386-506-3747, Dana.Bancer@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@daytonastate.edu
Maggie Muszka, Administrative Assistant, 386-506-3080, Magdolna.Muszka@daytonastate.edu

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 diploma for the program from the College.

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 110, Littleton, CO 80120; (303) 694-9262.

Outcomes:

Graduates of the program will be able to:

1. Apply the principles of aseptic technique in the perioperative setting.
2. Demonstrate skills and behaviors necessary to function as a member of a surgical team.
3. Organize routine instrumentation and supplies within the perioperative environment.
4. Demonstrate the ability to collaborate with members of the surgical team to deliver quality patient care with

consideration to the unique psychological and social needs of each surgical patient.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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.

Approximate Additional Costs

Tuition and Fees*:	$ 6,552
Access Fee:	$ 71.68 ($1.12 per credit)
Assessment Fee:	$ 34
Lab Fees:	$586.56

Additional Admission Requirements

- This is a limited access program. Students will be admitted to the program as a cohort each fall semester.
- 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.
- 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.
- Attendance at a program information session is required as well as a program interview for consideration. Dates will be announced.
- 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.

Additional Completion 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.

- It is strongly suggested that the following courses be successfully completed prior to submitting a request for enrollment: HSC1531 (Medical Terminology), BSC1085C (Human Anatomy & Physiology I and Lab), MGF2106 (Survey in Mathematics) or MAC1105 (College Algebra) and STS1302 (Introduction to Surgical Technology).
- All general education and program courses must be successfully completed with a grade of "C" or better.
- Submit the completed application for continuing enrollment to the School of Health Careers.
- Students will be held accountable for the policies and procedures of the Surgical Technology program as outlined in the ST student handbook, as well as the College Student handbook.

General Education Courses

General Education Core - 20 Credits

Communication Core (3 credits)

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Choose One Course

MGF2106	Survey in Mathematics	3
MAC1105	College Algebra	3

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Natural Sciences Core (8 credits)

BSC1085C	Human Anatomy and Physiology I and Lab	4
BSC1086C	Human Anatomy & Physiology II and Lab	4

Humanities Core (3 credits)

Choose One Course

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3
LIT2000	Literature and Culture	3
MUL1010	Music Appreciation	3
PHI2010	Introduction of Philosophy	3
THE1000	Theatre Appreciation	3

Social Science Core (3 credits)

PSY1012	General Psychology	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

STS1302	Introduction to Surgical Technology	3
STS1303	Fundamentals of Surgical Technology	3
STS1304L	Operating Room Techniques Laboratory	3
STS1307	Surgical Equipment and Instrumentation	3
STS1308	Perioperative Patient Care Concepts	3
STS1323	Surgical Procedures I	3
STS1327L	Principles and Practices of Surgical Technology Laboratory	2
STS1931	Surgical Technology Special Topics Seminar	2
STS2179	Surgical Biomedical Fundamentals	2
STS2324	Surgical Procedures II	3
STS2340	Surgical Pharmacology	2
STS2360	Professional Skills for the Surgical Technologist	2
STS2944	Surgical Clinical I	3
STS2945	Surgical Clinical II	3
STS2946	Surgical Clinical III	3

Additional Required Course

HSC1531	Medical Terminology	4

Sample Program of Study

Prerequisite Courses

BSC1085C	Human Anatomy and Physiology I and Lab	4
HSC1531	Medical Terminology	4
MAC1105	College Algebra OR	3
MGF2106	Survey in Mathematics	3
STS1302	Introduction to Surgical Technology	3

MAC1105: Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Year 1

1st Semester - Fall

BSC1086C	Human Anatomy & Physiology II and Lab	4
STS1303	Fundamentals of Surgical Technology	3
STS1307	Surgical Equipment and Instrumentation	3

STS1327L	Principles and Practices of Surgical Technology Laboratory	2

2nd Semester - Spring

ENC1101	Introduction to Composition	3
STS1304L	Operating Room Techniques Laboratory	3
STS1308	Perioperative Patient Care Concepts	3
STS1323	Surgical Procedures I	3
STS2179	Surgical Biomedical Fundamentals	2

3rd Semester - Summer A

STS2944	Surgical Clinical I	3

Year 2

1st Semester - Fall

	Humanities Core	3
STS2324	Surgical Procedures II	3
STS2340	Surgical Pharmacology	2
STS2945	Surgical Clinical II	3

2nd Semester - Spring

PSY1012	General Psychology	3
STS1931	Surgical Technology Special Topics Seminar	2
STS2360	Professional Skills for the Surgical Technologist	2
STS2946	Surgical Clinical III	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 64

Advanced Technical Certificate

Construction and Design, Advanced Technical Certificate

Program Information

Advanced Technical Cert - Code 300400 - Catalog 2019/2020

Jessica Matthews, Administrative Assistant, 386-506-4138, Jessica.Matthews@daytonastate.edu
Ronald Eaglin, Chair, School of Engineering, 386-506-4176, Ronald.Eaglin@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the advanced technical certificate in construction and design is to prepare students for

employment within the construction industry, specifically in the design and management of construction projects.

Description:

This program consists of 18 credits leading towards requirements for proficiency in construction techniques, materials, finances and construction design.

Outcomes:

Graduates of the program will be able to:

1. Implement engineering principles in construction of residential and commercial building projects.
2. Design and understand basic structural systems in construction.
3. Apply principles of construction technology in construction of buildings.
4. Analyze basic construction systems and their applications based on engineering principles.
5. Develop construction plans and procedures.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

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

Job Titles for this certificate are construction manager, construction inspector, building inspector, construction design engineer.

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

EGN3311	Statics	3
ETC4206	Construction Estimating	3
ETG3533	Engineering Strength of Materials	2
ETG3533L	Engineering Strength of Materials Lab	1
ETC4241	Construction Materials and Methods	2
ETC4241	Construction Materials and Methods	2
ETC4414C	Structural Steel Design and Lab	3
ETC4415C	Structural Concrete Design and Lab	3

Subtotal: 18

Notes

Note: Courses taken as part of this certificate can be applied to the Bachelor of Science Engineering Technology Degree - 633100 (p. 282)

Cybersecurity and Cyberforensics, Advanced Technical Certificate

Program Information

Advanced Technical Cert - Code 300200 - Catalog 2019/2020

Patrick Vilkinofsky, Assistant Professor, 386-506-4183, Patrick.Vilkinofsky@daytonastate.edu
Jessica Matthews, Administrative Assistant, 386-506-4138, Jessica.Matthews@daytonastate.edu

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. Design security solutions based on policies and risk management.
2. Employ forensic procedures to preserve the integrity of digital evidence.
3. Analyze file systems common to Windows, Linux, and Mac operating systems.
4. Manage computer and network incidents and intrusions.
5. Design security audits, continuity of operations planning, and disaster recovery.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

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

CTS3348	Linux Administration	3
CIS4360	Applied Cybersecurity	3
CET4884	Security Methods and Practice	3
CET4861	Advanced Digital Forensics	3
CET4862	Network Forensics and Incident Response	3
CET4860	Introduction to Digital Forensics	3

Subtotal: 18

Notes

Courses taken as part of this certificate can be applied to the Bachelor of Science Information Technology Degree - 633400 (p. 258)

Project Management, Advanced Technical Certificate

Program Information

Advanced Technical Cert - Code 300500 - Catalog 2019/2020
Theresa Moore, Assistant Chair, 386-506-3938, Theresa.Moore@daytonastate.edu
Grady Meeks, Associate Professor, 386-506-3856, Grady.Meeks@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the advanced technical certificate in project management is to prepare students with industry standard skill sets for employment as project managers inclusive of all countries, industries, companies and projects.

Description:

This program consists of 25 credits leading towards requirements for proficiency in industry standard and internationally recognized project management skill sets and certification preparation in conjunction with respective experience in the following areas: Microsoft Project (2013 74-343), CompTIA Project+, Professional in Business Analysis (PMI-PBA), Agile Certified Practitioner (PMI-ACP), Risk Management Professional (PMI-RMP), Scheduling Professional (PMI-SP), Certified Lean Six Sigma (ICGB), Project Management Professional (PMP), and Certified Associate in Project Management (CAPM).

Outcomes:

Graduates of the program will be able to:

1. Demonstrate understanding of the fundamental knowledge, terminology and processes of effective project management.
2. Perform in the role of a project manager, leading and directing projects and teams.
3. Use industry recognized project management software.
4. Apply agile principles and practices on projects.
5. Integrate stakeholder business requirements to shape the output of projects and drive successful business outcomes.
6. Assess and analyze projects risks along with plans to mitigate threats and capitalize on opportunities.
7. Apply principles of quality management throughout the Project Life Cycle.
8. Demonstrate knowledge and advanced experience in the specialized area of developing and maintaining project schedules.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures.

Financing Options: 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://daytonastate.edu/scholarships.

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, a Bachelor of Science (BS) or a previous Bachelor of Applied Science (BAS) with an overall grade point average of 2.5.
2. Applicants who have not earned as associate degree may be admitted to the program if they have earned at least 60 transferable 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

Job Titles for this certificate are Project Manager, Administrative Services Manager, General and Operations Manager, Construction Manager, Computer and Information Systems Managers, Engineering Managers, Management Analysts, Medical and Health Services Managers.

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

GEB4930	Selected Topics in Management	3
MAN3593	Scheduling and Logistics	3
MAN4520	Quality Management	3
MAN4535	Business Process Analysis	3
MAN4583	Applied Project Management	3
MAN4584	Project Risk Management	3
MAN4741	Agile Project Management	3
MAN4900	Capstone Project in Supervision and Management	4

Sample Program of Study

1st Semester

Fall A

GEB4930	Selected Topics in Management	3
MAN4583	Applied Project Management	3

Fall B

MAN4535	Business Process Analysis	3
MAN4741	Agile Project Management	3

2nd Semester

Spring A

MAN4584	Project Risk Management	3
MAN4520	Quality Management	3

Spring B

MAN3593	Scheduling and Logistics	3

Spring AB

MAN4900	Capstone Project in Supervision and Management	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 25

Web Systems Software Development, Advanced Technical Certificate

Program Information

Advanced Technical Cert - Code 300300 - Catalog 2019/2020

Jessica Matthews, Administrative Assistant, 386-506-4138, Jessica.Matthews@daytonastate.edu
Ronald Eaglin, Chair, School of Engineering, 386-506-4176, Ronald.Eaglin@daytonastate.edu

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.

Description:

This program consists of 18 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.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

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

COP4813	Web Systems I	3
COP4708	Applied Database I	3
COP4834	Web Systems II	3
COP4709	Applied Database II	3
CIS4510	IT Project Management	3

Notes

Courses taken as part of this certificate can be applied to the Bachelor of Science Information Technology Degree – 6334 (p. 258).

Applied Technology Diploma

Emergency Medical Technician (Limited Access Program), Applied Technical Diploma

Program Information

Applied Tech. Diploma - Code 096000 - Catalog 2019/2020

Teresa Campbell, Senior Staff Assistant, 386-506-4122, Teresa.Campbell@daytonastate.edu
David McCallister, Assistant Chair, 386-506-4177 David.McCallister@daytonastate.edu
Sheila Ellison, Director, 386-506-4201, Sheila.Ellison@daytonastate.edu

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 illnesses 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 90 hours of clinical experience with pre-hospital care agencies and hospital emergency rooms. 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 towards the Emergency Medical Services A.S. 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 requirements set forth in Florida Statute 401.

Outcomes:

Graduates of the program will be able to:

1. Exhibit effective communication within the Emergency Medical Technician profession.
2. Demonstrate professional behaviors consistent with the expectations for entry level Emergency Medical Technician provider.
3. Demonstrate safe practices within the Emergency Technician Service profession.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $1,229
Access Fee: $13.44 ($1.12 per credit)

Assessment Fee: $34
Lab Fees: $205.00 (including liability insurance)
Textbooks/Equipment: $175
Uniforms: $200
Criminal Background Check and Drug Screen: $117.25
State Application: $105

*In-state tuition listed; out-of-state tuition will be higher.

Additional Admission Requirements

- Completion of the EMS Application
- Attending the mandatory EMS Orientation.
- Satisfactory results of a Florida Department of Law Enforcement and FBI background check and drug screening urinalysis.
- Students will be required to wear uniforms.
- Students will be held accountable for the policies and procedures of the EMT program outlined in the EMS student policy/rule book, as well as, those outlined in the Daytona State Handbook.

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

| EMS1119C | Emergency Medical Technician I and Lab | 10 |
| EMS1431 | Emergency Medical Technician Clinical/Field Experience | 2 |

Sample Program of Study

| EMS1119C | Emergency Medical Technician I and Lab | 10 |
| EMS1431 | Emergency Medical Technician Clinical/Field Experience | 2 |

EMS1119C, EMS1431: The two (2) courses (EMS1119C & EMS1431) must be taken together in the same semester.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 12

Apprenticeship

Early Childhood Education Apprentice

Program Information

Apprenticeship - Code 102000 - Catalog 2019/2020

Catherine Twyman, Assistant Chair, 386-506-3113, Catherine.Twyman@DaytonaState.edu
Frank Snyder, Director, 386-506-4171, Frank.Snyder@Daytonastate.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@daytonastate.edu

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 knowledge of professional and ethical practices pertaining to early childhood education.

Financial Aid

This program is 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, certificate, 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

Job titles for this program are Child Development Specialist; Child Care Associate; Child Care Teacher; Child Care Worker

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

HEV0941	Child Care Apprentice I	96
HEV0941L	Child Care Apprentice I Lab	680
HEV0942	Child Care Apprentice II	96
HEV0942L	Child Care Apprentice II Lab	680
HEV0943	Child Care Apprentice III	36
HEV0943L	Child Care Apprentice III Lab	640

HEV0944	Child Care Apprentice IV	96
HEV0944L	Child Care Apprentice IV Lab	679.8
HEV0945	Child Care Apprentice V	96
HEV0945L	Child Care Apprentice V Lab	680
HEV0946	Child Care Apprentice VI	36
HEV0946L	Child Care Apprentice VI Lab	640
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 high-speed internet connection 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 (12.0 semester hours)

toward an associate of science degree in Early Childhood Education.

Electrical Apprentice - Non-Union

Program Information

Apprenticeship - Code 107100 - Catalog 2019/2020

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Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Mid Florida GNJ Electrical Non-Union Apprenticeship provides motivated individuals the opportunity to learn a trade by working under the supervision of a skilled craftsman and attending related classroom training.

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 the ability to follow OSHA and the National Electrical Code.
2. Demonstrate proper usage of different tools, equipment, materials and electrical products used in the trade.

3. Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate skills in the residential, commercial and industrial markets.
5. Demonstrate the ability to develop and implement projects related to the field.

Financial Aid

This program is 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 Florida issued 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

Job titles for this program are General foremen, project managers, estimators, safety specialists, training director or instructor, construction, electronics, journeyman electrician

Note: Need help preparing for your job search? Login to Daytona State's Career Services Online (CSO) to create your personal career account, or email your Daytona State College Career Advisor.

Program Specific Courses

BCA0350	Electrical Apprentice I (Non-Union)	99
BCA0350L	Electrical Apprentice I Lab-OJT (Non-Union)	679.8
BCA0351	Electrical Apprentice 2 (Non-Union)	99
BCA0351L	Electrical Apprentice 2 Lab-OJT (Non-Union)	679.8
BCA0352L	Electrical Apprentice 3 Lab-OJT (Non-Union)	639.9
BCA0353	Electrical Apprentice 4 (Non-Union)	99
BCA0353L	Electrical Apprentice 4 Lab-OJT (Non-Union)	679.8
BCA0354	Electrical Apprentice 5 (Non-Union)	99
BCA0354L	Electrical Apprentice 5 Lab-OJT (Non-Union)	679.8
BCA0355L	Electrical Apprentice 6 Lab-OJT (Non-Union)	639
BCA0356	Electrical Apprentice 7 (Non-Union)	99
BCA0356L	Electrical Apprentice 7 Lab-OJT (Non-Union)	679.8
BCA0357	Electrical Apprentice 8 (Non-Union)	99
BCA0357L	Electrical Apprentice 8 Lab-OJT (Non-Union)	679.8
BCA0340L	Electrical Apprentice 9 Lab-OJT (Non-Union)	639.9
BCA0341	Electrical Apprentice 10 (Non-Union)	99
BCA0341L	Electrical Apprentice 10 Lab-OJT (Non-Union)	679.8
BCA0342	Electrical Apprentice 11 (Non-Union)	99
BCA0342L	Electrical Apprentice 11 Lab-OJT (Union and Non-Union)	679.8
BCA0343L	Electrical Apprentice 12 Lab-OJT (Non-Union)	639.9
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

Mission Statement:

The Mid Florida GNJ Electrical Non-Union Apprenticeship provides motivated individuals the opportunity to learn a trade by working under the supervision of a skilled craftsman and attending related classroom training.

For additional program information visit mflgnj.

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: Joseph.Wiggins@DaytonaState.edu
or MIDFLGNJ
Mailing Address:
Mid-Florida Non-union Electrical Apprenticeship, GJN
PO BOX 292012
Port Orange, Florida 32129

Plumbers and Pipefitters Apprentice - Union

Program Information

Apprenticeship - Code 107000 - Catalog 2019/2020

John Fanelli, Jr., Adjunct Faculty/ Training Director, John.Fanelli@daytonastate.edu
Frank Snyder, Director, 386-506-4171, Frank.Snyder@daytonastate.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Plumbing and Pipefitters Apprentice - Union program is to provide the knowledge, practice and skill development necessary to become a successful journeyman Plumber, Pipe-fitter, or Service Technician.

Description:

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 receive a minimum of an OSHA 10 card. 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 classroom 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.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate the ability to follow rules, building codes, and all state and federal safety regulations.
2. Demonstrate proper usage of different tools, equipment, materials and products used in the trade.
3. Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.
4. Demonstrate skills in the residential, commercial and industrial markets.
5. Demonstrate the ability to develop and implement projects related to the field.

Financial Aid
This program is 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 that the interview is conducted 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 John Fanelli, Jr. (Training Director of Daytona Beach Plumbers and Pipefitters Union #295 at 386-252-

7429 or visit the website for Daytona Beach Plumbers and Pipefitters Union #295 Apprenticeship Committee at 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 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.

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 www.onetonline.org. For additional career information, please see: https://www.onetonline.org/link/summary/47-2152.00.

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

Program Length: The typical length of the program is five years and includes class time and paid on-the-job-training.

CIP Code (6 digit) - 46.053 Plumbing Technology/Plumber

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

BCA0450L	Plumbing Apprentice 1	639.9

BCA0451	Plumbing Apprentice 2	123
BCA0451L	Plumbing Apprentice 2 Lab	679.8
BCA0452	Plumbing Apprentice 3	123
BCA0452L	Plumbing Apprentice 3 Lab	679.8
BCA0453L	Plumbing Apprentice 4 Lab	639.9
BCA0454	Plumbing Apprentice 5	123
BCA0454L	Plumbing Apprentice 5 Lab	680
BCA0455	Plumbing Apprentice 6	123
BCA0455L	Plumbing Apprentice 6 Lab	679.8
BCA0456L	Plumbing Apprentice 7 Lab	639.9
BCA0457	Plumbing Apprentice 8	123
BCA0457L	Plumbing Apprentice 8 Lab	679.8
BCA0458	Plumbing Apprentice 9	123
BCA0458L	Plumbing Apprentice 9 Lab	679.8
BCA0459L	Plumbing Apprentice 10 Lab	640
BCA0431	Plumbing Apprentice 11	123
BCA0431L	Plumbing Apprentice 11 Lab	680
BCA0432	Plumbing Apprentice 12	123
BCA0432L	Plumbing Apprentice 12 Lab	680
BCA0433L	Plumbing Apprentice 13 Lab	639.9
BCA0434	Plumbing Apprentice 14	123
BCA0434L	Plumbing Apprentice 14 Lab	679.8
BCA0435	Plumbing Apprentice 15	123
BCA0435L	Plumbing Apprentice 15 Lab	679.8

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:

John Fanelli, Jr., Program Manager/Training Director

Plumbers & Pipefitters Local Union No. 295
743 North Beach Street

Daytona Beach, FL 32114
Phone: (386) 252-7429
E-mail: John.Fanelli@daytonastate.edu
E-Mail: info295jatc@cfl.rr.com
Website: ua295.org

BAS Degree

Supervision and Management, B.A.S. Degree

Program Information

BAS Degree - Code 600000 - Catalog 2019/2020

Theresa Moore, Assistant Chair, 386-506-3938,
Theresa.Moore@daytonastate.edu
Contact BAS Office for info, 386-506-4227,
BASinfo@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:

To provide access for students to earn a quality baccalaureate education that aligns with the program outcomes to meet local business and industry management workforce needs. Students will broaden their knowledge in management skills, be creative thinkers in an applied business environment, practice behaviors in business that are centered in ethical and socially responsible relationships, and cultivate the entrepreneurial spirit that provides career choices and encourages life-long learning.

Description:

The Bachelor of Applied Science (BAS) in Supervision and Management Program prepares individuals for supervisory and management roles and positions. Associate degree programs have prepared these individuals to enter the job market at entry-level or mid-level positions. Upper-level coursework in the BAS program broadens their knowledge in applied management practices and prepares them for supervisory and management opportunities. 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Additional Admission Requirements

a. 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.

b. A conferred Associate of Arts or Associate of Science from a regionally accredited institution of higher education; or

c. Sixty (60) credits of transferable college-level coursework from a regionally accredited institution, including at least 15 credits of general education coursework with a grade of "C" or better.

d. 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 or those admitted with 60+ college credits will also require 18 hours in technical courses, or other area approved by the department chair (e.g., business or project management, etc.) in lieu of the additional general education required of the A.S. student. Please see an advisor for individual technical area requirements.

e. Completion of ENC1101 – Introduction to Composition or its equivalent with a grade of "C" or better, and eligibility for MAT1033 – Intermediate Algebra or MGF2106 – Survey in Mathematics.

f. A 2.0 or greater cumulative GPA on all college coursework.

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

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.

Program Credit Requirements

General Education Core Requirements Credit	36.00
Associate Degree Program of Study Credit	42.00
BAS Program of Study Credit	42.00
TOTAL ...	120.00

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

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

GEB4930: Topics rotate each term; check section notes for course topic information.

MAN4120, GEB4891, MAN4504: Senior status or permission of the Chair

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.

ISM4011: 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.

MAN4900, the Capstone course, is the final course in the program.

Sample Program of Study

1st Semester

GEB3213	Business Writing	3
MAN3353	Management Theory and Practices	3
MAN3240	Organizational Behavior	3
	General Education Core	3
	General Education Core	3

Subtotal: 15

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.

2nd Semester

BUL3130	Legal, Ethical, and Social Aspects of Business	3
ACG3024	Accounting for Non-Financial Majors	3
	General Education Core	3
	General Education Core	3

Subtotal: 12

3rd Semester

MAN4162	Customer Relations for Managers	3
MAN4301	Human Resource Management	3
ISM4011	Introduction to Management Information Systems	4
	General Education Core	3

Subtotal: 13

ISM4011: 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.

4th Semester

MAN4120	Leadership Challenges and Supervision	3
GEB4891	Strategic Management and Decision Making	4
MAN4504	Operational Decision Making	3
	General Education Core	3

Subtotal: 13

MAN4120, GEB4891, MAN4504: Senior status or permission of the Chair

5th Semester

GEB4930	Selected Topics in Management	3
MAN4900	Capstone Project in Supervision and Management	4

Subtotal: 7

GEB4930: Topics rotate each term; check section notes for course topic information.

MAN4900, the Capstone course, is the final course in the program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

Supervision and Management-Hospitality Concentration, B.A.S. Degree

Program Information

BAS Degree - Code 600100 - Catalog 2019/2020

Costa Magoulas, Dean, 386-506-3578, Costa.Magoulas@daytonastate.edu
Lisa Allen, Administrative Specialist, 386-506-3946, Lisa.Allen@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

To provide access for students to earn a quality baccalaureate education that aligns with the program outcomes to meet local business and industry management workforce needs. Students will broaden their knowledge in management skills, be creative thinkers in an applied business environment, practice behaviors in business that are centered in ethical and socially responsible relationships, and cultivate the entrepreneurial spirit that provides career choices and encourages life-long learning.

Description:

The Bachelor of Applied Science (BAS) in Supervision and Management - Hospitality Concentration 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 BAS - Hospitality Concentration 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 communication skills that integrate decision-making and analytical thinking.
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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Additional Admission Requirements

- 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.

- A conferred Associate of Arts or Associate of Science from a regionally accredited institution of higher education; or

- Sixty (60) credits of transferrable college-level coursework from a regionally accredited institution, including at least 15 credits of general education coursework with a grade of "C" or better.

- 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 or those admitted with 60+ college credits will also require 18 hours in technical courses, or other area approved by the department chair (e.g., business or project management, etc.) in lieu of the additional general education required of the A.S.

student. Please see an advisor for individual technical area requirements.

- Completion of ENC1101 – Introduction to Composition or its equivalent with a grade of "C" or better, and eligibility for MAT1033 – Intermediate Algebra or MGF2106 – Survey in Mathematics.

- A 2.0 or greater cumulative GPA on all college coursework.

Official transcripts from all post-secondary 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.

Careers

On a national scale, projections for the hospitality, tourism, and culinary industries are extremely favorable. Ten year projections were analyzed from the US Bureau of Labor Statistics, including job outlooks and employment projections. Between 2012 and 2020, it is expected that the hospitality industry will add 17% in wage and salary employment. Wage and salaried positions specifically within foodservice and drinking establishments are projected to increase by 16%, as compared to 14% growth projects for wage and salary employment in all other combined industries. This shows that the hospitality, tourism, and culinary industries are growing faster than the overall national average.

Additionally, the hospitality, tourism, and culinary industries rank favorably on a state and local level. Hospitality ranks within the Top 15 Industries for both Fastest Growing Industries and Gaining the Most New Jobs within the State of Florida. It is projected that Volusia and Flagler Counties will experience an increase of 5-7% in hospitality, tourism, and culinary jobs over the timeframe between 2012 and 2020.

It is projected that Volusia County will experience an increase of 3-5% in hospitality, tourism, and culinary jobs within the timeframe from 2012-2020. It should be noted that this projection was made prior to the announcement of several tourism projections within the local area. The industry ranks among the Top 5 for Occupations Gaining New Jobs in Daytona Beach/Volusia County and among the Top 20 for Fastest Growing Industries within the local community.

The Volusia County Lodging & Hospitality Association recently provided county figures for occupational wages and employment for the industries of accommodation and food services. General and Operations Managers within the hospitality industry in Volusia County averaged an hourly rate of $35.66/hour, or $74,173.52 annually. Sales Managers employed within the hospitality industry in Volusia County were averaged an hourly rate of

$35.29/hour, or $73,409.88 annually. Foodservice Managers employed within the hospitality industry in Volusia County averaged an hourly rate of $26.23/hour, or $54,558.03 annually. Lodging Managers employed within the hospitality industry in Volusia County averaged an hourly rate of $34.09/hour, or $70,918.59 annually. Finally, Chefs and Head Cooks employed within the hospitality industry in Volusia County averaged an hourly rate of $26.73/hour, or $55,587.83.

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 Credit Requirements

General Education Core Requirements Credit	36.00	
Associate Program of Study Credits	42.00	
BAS Foundation Credits	22.00	
BAS Hospitality Concentration Credits	20.00	
TOTAL ...	120.00	

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

GEB3213	Business Writing	3
MAN3240	Organizational Behavior	3
BUL3130	Legal, Ethical, and Social Aspects of Business	3
ACG3024	Accounting for Non-Financial Majors	3
MAN4301	Human Resource Management	3
ISM4011	Introduction to Management Information Systems	4
MAN4120	Leadership Challenges and Supervision	3

GEB4930: Topics rotate each term; check section notes for course topic information.

MAN4120, GEB4891, MAN4504: Senior status or permission of the Chair

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.

ISM4011: 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.

MAN4900, the Capstone course, is the final course in the program.

Required Concentration Courses

HFT3700	Tourism Management	4
HFT3373	Event Design, Production and Technology	3
HFT4064	Bar and Beverage Management	3
HFT4253	Hotel Management	3
HFT4277	Club Management	3
HFT4809	Management of the Foodservice Industry	4

Sample Program of Study

1st Semester

GEB3213	Business Writing	3
HFT4809	Management of the Foodservice Industry	4
BUL3130	Legal, Ethical, and Social Aspects of Business	3
	General Education Core	3
Subtotal: 13		

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.

2nd Semester

ACG3024	Accounting for Non-Financial Majors	3
HFT4064	Bar and Beverage Management	3
MAN3240	Organizational Behavior	3
	General Education Core	3
Subtotal: 12		

3rd Semester

	General Education Core	3
MAN4301	Human Resource Management	3
ISM4011	Introduction to Management Information Systems	4
HFT4277	Club Management	3
Subtotal: 13		

ISM4011: 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.

4th Semester

MAN4120	Leadership Challenges and Supervision	3

HFT4253	Hotel Management	3
	General Education Core	3
	General Education Core	3

Subtotal: 12

MAN4120: Senior status or permission of the Chair

5th Semester

	General Education Core	3
HFT3373	Event Design, Production and Technology	3
HFT3700	Tourism Management	4

Subtotal: 10

HFT3700, the Capstone course, is the final course in the program, permission of Chair required.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 60

BS Degree

Information Technology – BSIT, B.S. Degree

Program Information

BS Degree - Code 633400 Catalog 2019/2020

Ronald Eaglin, Chair, School of Engineering, 386-506-4176, Ronald.Eaglin@daytonastate.edu
Jessica Matthews, 386-506-4138,
Jessica.Matthews@daytonastate.edu

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:

A graduate of the BSIT program will exhibit the following characteristics.

1. Career: Graduates will hold progressively more responsible positions in the IT field, including positions that are supervisory or managerial in nature.
2. Skills: Graduates will communicate effectively as an IT professional with users, peers, and higher management. They will solve problems using different and up-to-date methodologies. Use mathematical and scientific concepts that underlie information technology applications. They will work with teams exhibiting quality and timeliness.
3. Professionalism and Ethics: Graduates will demonstrate ethical behavior as an IT professional and sensitivity to the impact of technology on society. They will be involved as a member of the local and global communities acting as responsible technical professionals.
4. Life-Long-Learning: Graduates will pursue and successfully complete an advanced degree and/or obtain offered IT certificates as necessary for the duties of the profession.

Program Outcomes

Graduates of the program will be able to;

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems.

The BSIT degree uses a 2 + 2 model requiring the completion of an associate's degree (AA, AS) 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. Information assurance and security
7. System administration and maintenance
8. System integration and architecture
9. Professional requirements of the IT profession

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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 Arts (AA) degree, or previous Bachelor of Science (BS) with an overall grade point average of 2.5 or higher.
3. Students must have successfully completed College Algebra (MAC1105) or equivalent.
4. Students with a grade point average between 2.0 and 2.49 may be admitted conditionally.
5. 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.
6. 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.
7. Students should complete 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 COP2360 (C#), or COP2800 (Java).
8. Student advising guides are available at the department home page.

Additional Completion Requirements

1. 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.
2. 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.
3. Specific to the graduation requirements of the program, students must complete a course in Statistics (STA2023) and Calculus (MAC2311C) to fulfill the mathematics requirements of the program.
4. Students must complete 6 hours in one area of specialization. Students should refer to the Specializations for available options.
5. 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 2016 the mean annual wages for the following information technology professions; network and computer systems administrators - $79,600; Database administrators - $84,950, computer programmer - $79,840, Information Security Analyst - $92,600. 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.

Program Credit Requirements

Technical Electives		44.00
General Education Requirements		36.00
Upper Level Required or Electives		48.00
TOTAL	...	128.00

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

COP3530	Data Structures	3
COP4610	Operating Systems	3
CNT3104	Introduction to Telecommunications	2
CIS4250	Ethical Issues in IT	1
CNT4007	Data and Computer Communications	3
CIS4360	Applied Cybersecurity	3
COP4813	Web Systems I	3
CDA4101	Computer Organization and Design	3
CNT4703	Voice and Data Network Design	3
COP4708	Applied Database I	3
GEB3213	Business Writing	3
CEN4010	Software Engineering	3
CEN4801	Systems Integration	3
CEN3722	Human Computer Interfaces	3
CIS4510	IT Project Management	3

Subtotal: 42

Specializations

Students must complete 6 hours of coursework in a chosen specialization.

SELECT - Web Systems Programming (Pick 2 Courses)

COP4709	Applied Database II	3
COP4834	Web Systems II	3

Subtotal: 6

OR - Cybersecurity and Cyberforensics (Pick 2 Courses)

CET4860	Introduction to Digital Forensics	3
CET4861	Advanced Digital Forensics	3
CET4862	Network Forensics and Incident Response	3
CET4884	Security Methods and Practice	3

Subtotal: 6

Sample Program of Study

1st Semester

COP3530	Data Structures	3
CNT3104	Introduction to Telecommunications	2
GEB3213	Business Writing	3
MAC1114	College Trigonometry	3
COP4610	Operating Systems	3

Subtotal: 14

2nd Semester

CEN3722	Human Computer Interfaces	3
CIS4360	Applied Cybersecurity	3
COP4708	Applied Database I	3
MAC1140	Pre-Calculus Algebra	3

Subtotal: 12

3rd Semester

CDA4101	Computer Organization and Design	3
CIS4250	Ethical Issues in IT	1
CEN4801	Systems Integration	3
MAC2311C	Calculus I and Lab	4
CEN4010	Software Engineering	3

Subtotal: 14

4th Semester

CNT4007	Data and Computer Communications	3
COP4813	Web Systems I	3
	Specialization Elective	3
	Specialization Elective	3

Subtotal: 12

5th Semester

CNT4703	Voice and Data Network Design	3
CIS4510	IT Project Management	3

Subtotal: 6

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) 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.

Education - Elementary Education, B.S. Degree

Program Information

BS Degree - Code 622100 - Catalog 2019/2020

Amy Ringue, Chair, Education, 386-506-3186, Amy.Ringue@daytonastate.edu
Alycia Ehlert, AVP, College of Arts & Sciences, 386-506-3769, Alycia.Ehlert@daytonastate.edu

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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. Please contact the School of

Education at 386-506-4374 for additional test preparation resources.

4.
Volusia County Schools Volunteer clearance:
Complete the Volunteer Online Application on the VCS Volunteer/Partnership Program's website at: Volusia County Schools Volunteer
All students who are going to complete their field hours must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:

- •In the 'Affiliations' column, the box marked 'other' and type in 'DSC Junior Intern'
- •In the 'Organizations' column, the box marked 'Daytona State College'

Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a "hold" queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the applicant clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status. For questions, please contact Ashorda Foley (386-255-6475 x 38379).

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, EEX2010, MAE2801.

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 Cultural/Global Focus - 3hrs. Please see the General Education requirements for Associates of Arts Degree.

4. Students enrolled in the A.A. degree program prior to the 2017-18 catalog year can complete the common prerequisites of EDF1005, EDF2085, and EME2040 with a grade of "C" or higher.

Program Credit Requirements

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

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
LAE4314	Teaching Language Arts	3
RED3309	Early and Emergent Reading K-2	3
SCE3310	Teaching Science in the Elementary School	3
RED4519	Diagnosis, Intervention in Reading	3
SSE3312	Teaching Social Studies	3
MAE4803	Mathematics Content for Elementary Grades	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
LAE3414	Children's Literature	3
RED4511	Intermediate Literacy, Reading and Thinking	3
EEX4070	Teaching Exceptional Students	3
TSL4081	ESOL Issues and Strategies II	3
MAE4326	How Children Learn Mathematics	3
RED4844	Reading Practicum	3
EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

Subtotal: 60

Sample Program of Study

The courses listed in the first two years of the Sample Program of Study are recommendations for entry into the program. 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.

Year 1

1st Semester

SLS1122	Managing Your Success	3
ENC1101	Introduction to Composition	3
PSC1121	Physical Science	3
EDF1005	Introduction to the Teaching Profession	3
MAC1105	College Algebra	3

EDF1005: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

ENC1102	Writing with Research	3
LIT2110	Masterpieces of World Literature I	3
STA2023	Elementary Statistics	3
ECO2013	Principles of Macroeconomics OR	3
ECO2023	Principles of Microeconomics	3
EEX2010	Introduction to Special Education	3

EEX2010: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
REL2300	World Religion OR	3
WOH2012	World History Before 1500 OR	3
WOH2022	World History After 1500	3
BSC1010C	General Biology I (For Science Majors) and Lab	4
EDP2002	Educational Psychology	3
PET2084	Personal Health and Wellness	3

2nd Semester

POS2041	American Federal Government	3
MUL1010	Music Appreciation OR	3

ARH1000	Art Appreciation	3
MAE2801	Elementary School Mathematics	3
EDF2085	Introduction to Diversity for Educators	3
	Elective	2

MAE2801: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Apply for Admission to BS Program

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.

Year 3

1st Semester

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
RED3309	Early and Emergent Reading K-2	3
LAE4314	Teaching Language Arts	3

2nd Semester

SCE3310	Teaching Science in the Elementary School	3
RED4519	Diagnosis, Intervention in Reading	3
MAE4803	Mathematics Content for Elementary Grades	3
SSE3312	Teaching Social Studies	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
LAE3414	Children's Literature	3

Year 4

1st Semester

TSL4081	ESOL Issues and Strategies II	3
RED4511	Intermediate Literacy, Reading and Thinking	3
EEX4070	Teaching Exceptional Students	3
MAE4326	How Children Learn Mathematics	3

RED4844	Reading Practicum	3

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.

2nd Semester

EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

EDF4943 and ESE4945: In order to be eligible for enrollment in Senior Internship courses, students are required to complete all program courses in addition to passing the Professional Education Test (PEd) and the Subject Area Exam (SAE) aligned to program major. If tests are not passed by scheduled internship date, or if a student willingly postpones scheduled internship, successful completion of a Senior Internship Extension Plan (SIEP) will be required to enroll in Senior Internship for the subsequent semester. The SIEP will be approved by School of Education and will be designed to support students with a timeline and resources to pass the required FTCE exams or to address specific student needs. **All requirements** (program course completion, internship completion, and passing of FTCE exams) must be met in order to complete and graduate from an education program. 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.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Education - Exceptional Education, B.S. Degree

Program Information

BS Degree - Code 622200 - Catalog 2019/2020

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Alycia Ehlert, AVP, College of Arts & Sciences, 386-506-3769, Alycia.Ehlert@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Bachelor of Science in Exceptional Student Education will provide ESOL and Reading infused instructional programs that will produce highly qualified, State certified teachers ready for entry in a K-12 environment. The fundamentals of the program embrace diversity, promote ethics in education, focus on student excellence and

enhance teaching and learning through innovative instructional practices.

Description:

This State of Florida approved program fulfills the education courses, professional education competencies, and practical experience required to obtain a five-year Professional Educator's Certificate in Exceptional Student Education. The program includes endorsements for Reading and ESOL.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate mastery of the Florida Educator Accomplished Practices (FEAP) and Professional Education Competencies (PEC).
2. Demonstrate mastery of the English for Speakers of Other Languages (ESOL) Performance Standards and Subject Area Competencies and Skills for ESOL.
3. Demonstrate mastery of Reading Competencies 1-5.
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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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:
Complete the Volunteer Online Application on the VCS Volunteer/Partnership Program's website at: Volusia County Schools Volunteer

All students who are going to complete their field hours must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:

   a. In the 'Affiliations' column, the box marked 'other' and type in 'DSC Junior Intern'
   b. In the 'Organizations' column, the box marked 'Daytona State College'

Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a "hold" queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the applicant clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

For questions, please contact Ashorda Foley (386-255-6475 x 38379).

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, EEX2010, and MAE2801.

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 Cultural/Global Focus - 3hrs. Please see the General Education requirements for Associates of Arts Degree.
4. Students enrolled in the A.A. degree program prior to the 2017-18 catalog year can complete the common prerequisites of EDF1005, EDF2085, and EME2040 with a grade of "C" or higher.

Program Credit Requirements

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

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EEX4265	Curriculum and Instruction for Students with Disabilities 6-12	3
RED3309	Early and Emergent Reading K-2	3
SCE3310	Teaching Science in the Elementary School	3
RED4519	Diagnosis, Intervention in Reading	3
EEX4601	Behavior Management	3
EEX4221	Assessment of Exceptional Education Students	3
SSE3312	Teaching Social Studies	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
LAE4314	Teaching Language Arts	3
TSL4081	ESOL Issues and Strategies II	3
RED4511	Intermediate Literacy, Reading and Thinking	3
MAE4326	How Children Learn Mathematics	3
RED4844	Reading Practicum	3
EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

Subtotal: 60

Sample Program of Study

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.

Year 1

1st Semester

SLS1122	Managing Your Success	3
ENC1101	Introduction to Composition	3
PSC1121	Physical Science	3
EDF1005	Introduction to the Teaching	3

	Profession	
MAC1105	College Algebra	3

EDF1005: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

ENC1102	Writing with Research	3
LIT2110	Masterpieces of World Literature I	3
STA2023	Elementary Statistics	3
ECO2013	Principles of Macroeconomics OR	3
ECO2023	Principles of Microeconomics	3
EEX2010	Introduction to Special Education	3

EEX2010: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
REL2300	World Religion OR	3
WOH2012	World History Before 1500 OR	3
WOH2022	World History After 1500	3
BSC1010C	General Biology I (For Science Majors) and Lab	4
PET2084	Personal Health and Wellness	3
EDP2002	Educational Psychology	3

2nd Semester

POS2041	American Federal Government	3
MUL1010	Music Appreciation OR	3
ARH1000	Art Appreciation	3
MAE2801	Elementary School Mathematics	3
EDF2085	Introduction to Diversity for Educators	3
	Elective	2

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.

EDF2085: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Apply for Admission to BS Program

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.

Year 3

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

1st Semester

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EEX4265	Curriculum and Instruction for Students with Disabilities 6-12	3
RED3309	Early and Emergent Reading K-2	3

2nd Semester

SCE3310	Teaching Science in the Elementary School	3
RED4519	Diagnosis, Intervention in Reading	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
EEX4601	Behavior Management	3
SSE3312	Teaching Social Studies	3
EEX4221	Assessment of Exceptional Education Students	3

Year 4

1st Semester

TSL4081	ESOL Issues and Strategies II	3
RED4511	Intermediate Literacy,	3

	Reading and Thinking	
LAE4314	Teaching Language Arts	3
MAE4326	How Children Learn Mathematics	3
RED4844	Reading Practicum	3

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

2nd Semester

EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

*EDF4943 and ESE4945: In order to be eligible for enrollment in Senior Internship courses, students are required to complete all program courses in addition to passing the Professional Education Test (PEd) and the Subject Area Exam (SAE) aligned to program major. If tests are not passed by scheduled internship date, or if a student willingly postpones scheduled internship, successful completion of a Senior Internship Extension Plan (SIEP) will be required to enroll in Senior Internship for the subsequent semester. The SIEP will be approved by School of Education and will be designed to support students with a timeline and resources to pass the required FTCE exams or to address specific student needs. **All requirements** (program course completion, internship completion, and passing of FTCE exams) must be met in order to complete and graduate from an education program. 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.*

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Education - Secondary Biology Education, B.S. Degree

Program Information

BS Degree - Code 622400 - Catalog 2019/2020

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Alycia Ehlert, AVP, College of Arts & Sciences, 386-506-3769, Alycia.Ehlert@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Bachelor of Science in Secondary Biology Education will provide instructional programs that will produce highly qualified, State certified teachers ready for entry in a 6-12 environment. The fundamentals of the program embrace diversity, promote ethics in education, focus on student excellence and enhance teaching and learning through innovative instructional practices.

Description:

This State of Florida approved program fulfills the education courses, professional education competencies, and practical experience required to obtain a five-year Professional Educator's Certificate in Biology Education.

Outcomes:

Graduates of the program will be able:

1. Demonstrate mastery of the Florida Educator Accomplished Practices (FEAP) and Professional Education Competencies (PEC).
2. Demonstrate mastery of Reading Competencies 1-2.
3. Demonstrate mastery of the Subject Area Competencies (SAC) and Skills for Teacher Certification in Biology Education 6-12.
4. Attain additional Uniform Core Curriculum content.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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. Please contact the School of Education at (386) 506-4374 for additional test resources. Click here for more information or to register for the exam.
4. Volusia County Schools Volunteer clearance:

    Complete the Volunteer Online Application on the VCS Volunteer/Partnership Program's website at: Volusia County Schools Volunteer

    All students who are going to complete their field hours must complete the volunteer application by

visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:

a. In the 'Affiliations' column, the box marked 'other' and type in 'DSC Junior Intern'

b. In the 'Organizations' column, the box marked 'Daytona State College'

Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a "hold" queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the applicant clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

For questions, please contact Ashorda Foley (386-255-6475 x 38379).

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, EEX2010, MAC2311C (4 credits), BSC1010C (4 credits), BSC1011C (4 credits) and one of the following: CHM1045C (4 credits), PHY1053C (4 credits) or PHY2048C (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 Cultural/Global Focus - 3hrs. Please see the General Education requirements for Associates of Arts Degree.

4. Students enrolled in the A.A. degree program prior to the 2017-18 catalog year can complete the common

Education prerequisites of EDF1005, EDF2085, and EME2040 with a grade of "C" or higher.

Program Credit Requirements

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

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
PCB3060	Introduction to Genetics	3
EDF3214	Child/Adolescent Development and Learning	3
PCB3034C	General Ecology and Lab	4
OCB2000C	Introduction to Marine Biology and Lab	4
BSC1010C	General Biology I (For Science Majors) and Lab	4
EME3434	Integrating Technology into Math and Science	3
RED3012	Principles of Reading	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
PCB3203	Cell Physiology	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
BOT3151	Flora of Central Florida	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3
EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

Subtotal: 60

Sample Program of Study

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.

Year 1

1st Semester

ENC1101	Introduction to Composition	3
BSC1010C	General Biology I (For Science Majors) and Lab	4
SLS1122	Managing Your Success	3
PSY1012	General Psychology	3
EDF1005	Introduction to the Teaching Profession	3

BSC1010C, EDF1005: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

ENC1102	Writing with Research	3
BSC1011C	General Biology II (For Science Majors) and Lab	4
MAC1114	College Trigonometry	3
LIT2110	Masterpieces of World Literature I	3
ARH1000	Art Appreciation OR	3
MUL1010	Music Appreciation	3

BSC1011C: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
CHM1045C	General College Chemistry I and Lab	4
MAC1140	Pre-Calculus Algebra	3
REL2300	World Religion OR	3
WOH2012	World History Before 1500 OR	3
WOH2022	World History After 1500	3
EEX2010	Introduction to Special Education	3

CHM1045C, EEX2010: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

ECO2013	Principles of Macroeconomics OR	3
ECO2023	Principles of Microeconomics	3
CHM1046C	General College Chemistry II and Lab	4
MAC2311C	Calculus I and Lab	4
EDF2085	Introduction to Diversity for Educators	3

MAC2311C: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Both CHM1045C (required) and CHM1046C (recommended) require a one credit lab component.

CHM1046C is not a requirement for admission into the Secondary Biology Education program at Daytona State College; however, this course is recommended as a part of the AA degree to enhance the overall science background of the secondary teacher.

Year 3

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.

Apply for Admission to BS Program

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.

1st Semester

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EDF3214	Child/Adolescent Development and Learning	3
PCB3034C	General Ecology and Lab	4

2nd Semester

PCB3060	Introduction to Genetics	3
OCB2000C	Introduction to Marine Biology and Lab	4
BOT1010C	General Botany and Lab	4
EME3434	Integrating Technology into Math and Science	3
RED3012	Principles of Reading	3

Year 4

1st Semester

EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
PCB3203	Cell Physiology	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
BOT3151	Flora of Central Florida	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3

2nd Semester

EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

EDF4943 and ESE4945: In order to be eligible for enrollment in Senior Internship courses, students are required to complete all program courses in addition to passing the Professional Education Test (PEd) and the Subject Area Exam (SAE) aligned to program major. If tests are not passed by scheduled internship date, or if a student willingly postpones scheduled internship, successful completion of a Senior Internship Extension Plan (SIEP) will be required to enroll in Senior Internship for the subsequent semester. The SIEP will be approved by School of Education and will be designed to support students with a timeline and resources to pass the required FTCE exams or to address specific student needs. **All requirements** (program course completion, internship completion, and passing of FTCE exams) must be met in order to complete and graduate from an education program. 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.

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

Education - Secondary Chemistry Education, B.S. Degree

Program Information

BS Degree - Code 622600 - Catalog 2019/2020

Amy Ringue, Chair, Education, 386-506-3186, Amy.Ringue@daytonastate.edu
Alycia Ehlert, AVP, College of Arts & Sciences, 386-506-3769, Alycia.Ehlert@daytonastate.edu

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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. Please contact the School of Education at (386) 506-4374 for additional test preparation resources. Click here for more information or to register for the exam.
4.
Volusia County Schools Volunteer clearance:
Complete the Volunteer Online Application on the VCS Volunteer/Partnership Program's website at: Volusia County Schools Volunteer

All students who are going to complete their field hours must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:

   a. In the 'Affiliations' column, the box marked 'other' and type in 'DSC Junior Intern'
   b. In the 'Organizations' column, the box marked 'Daytona State College'

Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a "hold" queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the applicant clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

   For questions, please contact Ashorda Foley (386-255-6475 x 38379).

   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, EEX2010, MAC2311C (4 credits), CHM1045C (4 credits), CHM1046C (4 credits) and one of the following combinations: PHY2048C & PHY2049C OR PHY1053C & PHY1054C.

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 Cultural/Global Focus - 3hrs. Please see the General Education requirements for Associates of Arts Degree.
4. Students enrolled in the A.A. degree program prior to the 2017-18 catalog year can complete the common Education prerequisies of EDF1005, EDF2085, and EME2040 with a grade of "C" or higher.

Program Credit Requirements

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

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EDF3214	Child/Adolescent Development and Learning	3
CHM2210C	Organic Chemistry and Lab	4
CHM2211C	Organic Chemistry II and Lab	4
EME3434	Integrating Technology into Math and Science	3
CHM3085	Environmental Chemistry	3
BCH3023C	Biochemistry I and Lab	4
EEX4242	Teaching Exceptional Students in Secondary Schools	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
CHM3120C	Quantitative Analysis and Lab	4
SMT4301	Classroom Interaction in Math and Science Teaching	3
RED3012	Principles of Reading	3
TSL4081	ESOL Issues and Strategies II	3
EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

Subtotal: 60

Sample Program of Study

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.

Year 1

1st Semester

ENC1101	Introduction to Composition	3
CHM1045C	General College Chemistry I and Lab	4
MAC2311C	Calculus I and Lab	4
SLS1122	Managing Your Success	3
EDF1005	Introduction to the Teaching Profession	3

CHM1045C, MAC2311C, EDF1005: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

ENC1102	Writing with Research	3
CHM1046C	General College Chemistry II and Lab	4
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
LIT2110	Masterpieces of World Literature I	3
EEX2010	Introduction to Special Education	3

CHM1046C, EEX2010: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
PHY2048C	Physics with Calculus I and Lab	5
EDF2085	Introduction to Diversity for Educators	3

PHY2048C, EDF2085: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Choose one of the following

| ARH1000 | Art Appreciation OR | 3 |
| MUL1010 | Music Appreciation | 3 |

2nd Semester

MAC2312C	Calculus II and Lab	4
PHY2049C	Physics with Calculus II and Lab	5
GEO2000	World Geography	3
ECO2013	Principles of Macroeconomics OR	3
ECO2023	Principles of Microeconomics	3

PHY2049C: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Apply for Admission to the BS Program

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. Please note that BCH3023C requires a one credit lab component.

Year 3

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

1st Semester

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
BCH3023C	Biochemistry I and Lab	4
CHM2210C	Organic Chemistry and Lab	4

BCH3023C: 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. Please note that BCH3023C requires a one credit lab component.

2nd Semester

CHM2211C	Organic Chemistry II and Lab	4
EME3434	Integrating Technology into Math and Science	3
CHM3085	Environmental Chemistry	3
EDF3214	Child/Adolescent Development and Learning	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3

Year 4

1st Semester

EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
CHM3120C	Quantitative Analysis and Lab	4
SMT4301	Classroom Interaction in Math and Science Teaching	3
RED3012	Principles of Reading	3
TSL4081	ESOL Issues and Strategies II	3

2nd Semester

EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

EDF4943 and ESE4945: In order to be eligible for enrollment in Senior Internship courses, students are required to complete all program courses in addition to passing the Professional Education Test (PEd) and the Subject Area Exam (SAE) aligned to program major. If tests are not passed by scheduled internship date, or if a student willingly postpones scheduled internship, successful completion of a Senior Internship Extension Plan (SIEP) will be required to enroll in Senior Internship for the subsequent semester. The SIEP will be approved by School of Education and will be designed to support students with a timeline and resources to pass the required FTCE exams or to address specific student needs. **All requirements** (program course completion, internship completion, and passing of FTCE exams) must be met in order to complete and graduate from an education program. 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.

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

Education - Secondary Earth/Space Science Education, B.S. Degree

Program Information

BS Degree - Code 622700 - Catalog 2019/2020

Amy Ringue, Chair, Education, 386-506-3186, Amy.Ringue@daytonastate.edu
Alycia Ehlert, AVP, College of Arts & Sciences, 386-506-3769, Alycia.Ehlert@daytonastate.edu

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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. Please contact the School of Education at (386) 506-4374 for additional test preparation resources. Click here for more information or to register for the exam.
4.
Volusia County Schools Volunteer clearance:
Complete the Volunteer Online Application on the VCS Volunteer/Partnership Program's website at: Volusia County Schools Volunteer
All students who are going to complete their field hours must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:
   a. In the 'Affiliations' column, the box marked 'other' and type in 'DSC Junior Intern'
   b. In the 'Organizations' column, the box marked 'Daytona State College'

Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a "hold" queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the applicant clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

For questions, please contact Ashorda Foley (386-255-6475 x 38379).

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.

5. Bachelor of Science in Education Program application.
6. Grade of "C" or higher in the following pre-requisite classes: EDF1005, EEX2010, MAC2311C (4 credits), OCE1001, GLY2010C (4 credits) and one of the following combinations: BSC1010C and BSC1011C, or CHM1045C and CHM1046C, or PHY2048C and PHY2049C.

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 Cultural/Global Focus - 3hrs. Please see the General Education requirements for Associates of Arts Degree.
4. Students enrolled in the A.A. degree program prior to the 2017-18 catalog year can complete the common Education prerequisites of EDF1005, EDF2085, and EME2040 with a grade of "C" or higher.

Program Credit Requirements

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

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EDF3214	Child/Adolescent Development and Learning	3
PCB3034C	General Ecology and Lab	4
MET2010	Meteorology	3
BOT1010C	General Botany and Lab	4
OCE3014C	Oceanography: Coastal Ocean Studies in Biogeochemistry and Lab	4
EME3434	Integrating Technology into Math and Science	3
RED3012	Principles of Reading	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
GLY2100	Historical Geology	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
BOT3151	Flora of Central Florida	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3
EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

Subtotal: 60

Sample Program of Study

The first two years are only recommendations for entry into program

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.

Year 1

1st Semester

ENC1101	Introduction to Composition	3
BSC1010C	General Biology I (For Science Majors) and Lab	4
STA2023	Elementary Statistics	3
EDF1005	Introduction to the Teaching Profession	3
SLS1122	Managing Your Success	3

BSC1010C, EDF1005: This course (and any corresponding lab) is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

ENC1102	Writing with Research	3
BSC1011C	General Biology II (For Science Majors) and Lab	4
LIT2110	Masterpieces of World Literature I	3
EEX2010	Introduction to Special Education	3
OCE1001	Introduction to Oceanography	3

EEX2010, OCE1001: This course (and any corresponding lab) is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Year 2

1st Semester

MAC2311C	Calculus I and Lab	4
SPC2608	Oral Communications/Research/Presentation Skills	3
CHM1045C	General College Chemistry I and Lab	4
GEO2000	World Geography	3

CHM1045C: This course is 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.

MAC2311C: This course (and any corresponding lab) is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Choose One of the Following:

ARH1000	Art Appreciation	3
	OR	
MUL1010	Music Appreciation	3

2nd Semester

GLY2010C	Physical Geology and Lab	4
EDF2085	Introduction to Diversity for Educators	3
ECO2013	Principles of Macroeconomics	3
	OR	
ECO2023	Principles of Microeconomics	3

AST1002   Astronomy   3

GLY2010C, EDF2085: This course (and any corresponding lab) is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Apply for Admission to the BS Program

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.

Year 3

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

1st Semester

Course	Title	Credits
SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EDF3214	Child/Adolescent Development and Learning	3
PCB3034C	General Ecology and Lab	4

2nd Semester

Course	Title	Credits
MET2010	Meteorology	3
BOT1010C	General Botany and Lab	4
EME3434	Integrating Technology into Math and Science	3
OCE3014C	Oceanography: Coastal Ocean Studies in Biogeochemistry and Lab	4
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3

Year 4

1st Semester

Course	Title	Credits
RED3012	Principles of Reading	3
GLY2100	Historical Geology	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
BOT3151	Flora of Central Florida	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3

2nd Semester

Course	Title	Credits
EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

EDF4943 and ESE4945: In order to be eligible for enrollment in Senior Internship courses, students are required to complete all program courses in addition to passing the Professional Education Test (PEd) and the Subject Area Exam (SAE) aligned to program major. If tests are not passed by scheduled internship date, or if a student willingly postpones scheduled internship, successful completion of a Senior Internship Extension Plan (SIEP) will be required to enroll in Senior Internship for the subsequent semester. The SIEP will be approved by School of Education and will be designed to support students with a timeline and resources to pass the required FTCE exams or to address specific student needs. **All requirements** (program course completion, internship completion, and passing of FTCE exams) must be met in order to complete and graduate from an education program. 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.

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

Education - Secondary Mathematics Education, B.S. Degree

Program Information

BS Degree - Code 622300 - Catalog 2019/2020

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Alycia Ehlert, AVP, College of Arts & Sciences, 386-506-3769, Alycia.Ehlert@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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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. Please contact the School of Education at (386) 506-4374 for additional resources for test preparation. Click here for more information or to register for the exam.
4.
Volusia County Schools Volunteer clearance.
Complete the Volunteer Online Application on the VCS Volunteer/Partnership Program's website at: Volusia County Schools Volunteer
All students who are going to complete their field hours must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:
   a. In the 'Affiliations' column, the box marked 'other' and type in 'DSC Junior Intern'

   b. In the 'Organizations' column, the box marked 'Daytona State College'

Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a "hold" queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the applicant clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

For questions, please contact Ashorda Foley (386-255-6475 x 38379).

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, EEX2010, MAC2311C (4 credits), MAC2312C (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 Cultural/Global Focus - 3hrs. Please see the General Education requirements for Associates of Arts Degree.
4. Students enrolled in the A.A. degree program prior to the 2017-18 catalog year can complete the common Education prerequisites of EDF1005, EDF2085, and EME2040 with a grade of "C" or higher.

Program Credit Requirements

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

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college

preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EDF3214	Child/Adolescent Development and Learning	3
STA2023	Elementary Statistics	3
MAS3105	Linear Algebra	3
MTG4212	Modern Geometry	3
MAS4203	Number Theory	3
EME3434	Integrating Technology into Math and Science	3
STA4024	Statistics II	3
RED3012	Principles of Reading	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
MHF4404	History of Mathematics	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
MAS3301	Abstract Algebra	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3
EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

Subtotal: 60

Sample Program of Study

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.

Year 1

1st Semester

ENC1101	Introduction to Composition	3
SLS1122	Managing Your Success	3
MAC1140	Pre-Calculus Algebra	3
EDF1005	Introduction to the Teaching Profession	3
BSC1010C	General Biology I (For Science Majors) and Lab	4

MAC1140, EDF1005: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

ENC1102	Writing with Research	3
MAC1114	College Trigonometry	3
SYG2000	Introduction to Sociology	3
LIT2110	Masterpieces of World Literature I	3
EEX2010	Introduction to Special Education	3

MAC1114, EEX2010: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
MAC2311C	Calculus I and Lab	4
EDF2085	Introduction to Diversity for Educators	3
ECO2023	Principles of Microeconomics OR	3
ECO2013	Principles of Macroeconomics	3
ARH1000	Art Appreciation OR	3
MUL1010	Music Appreciation	3

MAC2311C, EDF2085: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

EDP2002	Educational Psychology	3
MAC2312C	Calculus II and Lab	4
CHM1025C	Introduction to Chemistry and Lab	4
HUN1201	Human Nutrition OR	3
PET2084	Personal Health and Wellness	3

MAC2312C: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Apply for Admission to BS Program

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.

Year 3

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

1st Semester

SLS3355L	Orientation to Education Programs Lab	
EDG4323	Professional Teaching Practices	3
TSL3080	ESOL Issues and Strategies I	3
EDF4430	Classroom Assessment	3
EDF3214	Child/Adolescent Development and Learning	3
STA2023	Elementary Statistics	3
MAS3105	Linear Algebra	3

2nd Semester

MTG4212	Modern Geometry	3
MAS4203	Number Theory	3
STA4024	Statistics II	3
EME3434	Integrating Technology into Math and Science	3
RED3012	Principles of Reading	3

Year 4

1st Semester

EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
MHF4404	History of Mathematics	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
MAS3301	Abstract Algebra	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3

2nd Semester

EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

EDF4943 and ESE4945: In order to be eligible for enrollment in Senior Internship courses, students are required to complete all program courses in addition to passing the Professional Education Test (PEd) and the Subject Area Exam (SAE) aligned to program major. If tests are not passed by scheduled internship date, or if a student willingly postpones scheduled internship, successful completion of a Senior Internship Extension Plan (SIEP) will be required to enroll in Senior Internship for the subsequent semester. The SIEP will be approved by School of Education and will be designed to support students with a timeline and resources to pass the required FTCE exams or to address specific student needs. **All requirements** (program course completion, internship completion, and passing of FTCE exams) must be met in order to complete and graduate from an education program. 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.

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

Education - Secondary Physics Education, B.S. Degree

Program Information

BS Degree - Code 622500 - Catalog 2019/2020

Amy Ringue, Chair, Education, 386-506-3186, Amy.Ringue@daytonastate.edu
Alycia Ehlert, AVP, College of Arts & Sciences, 386-506-3769, Alycia.Ehlert@daytonastate.edu

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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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. Please contact the School of Education at (386) 506-4374 for additional test preparation resources. Click here for more information or to register for the exam.
4.
Volusia County Schools Volunteer clearance:
Complete the Volunteer Online Application on the VCS Volunteer/Partnership Program's website at: Volusia County Schools Volunteer
All students who are going to complete their field hours must complete the volunteer application by visiting the district website (access it through any computer or other electronic device) or to complete an application at the Raptor Kiosk (if available at the Volusia school site). Just click on the URL of choice and complete the application. On the third page of the online application, be sure to check the following:

   a. In the 'Affiliations' column, the box marked 'other' and type in 'DSC Junior Intern'
   b. In the 'Organizations' column, the box marked 'Daytona State College'

Once submitted, the online application will be re-directed to the VIPS Department for approval. The application will stay on a "hold" queue until the volunteer applicant has visited the Volusia County school of choice and has scanned an ID into the visitor module. Provided that the applicant clears the sexual predator/offender database performed by the Raptor System, then, the application will be approved and an email will be generated by the system that will inform the applicant of their volunteer status.

For questions, please contact Ashorda Foley (386-255-6475 x 38379).

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, EEX2010, MAC2311C (4 credits), MAC2312C (4 credits), MAC2313C (4 credits), PHY2048C and PHY2049C , and CHM1045C and CHM1046C.

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 Cultural/Global Focus - 3hrs. Please see the General Education requirements for Associates of Arts Degree.
4. Students enrolled in the A.A. degree program prior to the 2017-18 catalog year can complete the common Education prerequisites of EDF1005, EDF2085, and EME2040 with a grade of "C" or higher.

Program Credit Requirements

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

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EDF3214	Child/Adolescent Development and Learning	3
MAP2302C	Differential Equations and Lab	3
TSL4081	ESOL Issues and Strategies II	3
PHY3101	Modern Physics	3
PHY4424	Geometrical and Physical Optics	3
EME3434	Integrating Technology into Math and Science	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
PHY3221	Classical Mechanics	3
PHY3513	Thermal Physics (Thermodynamics and Elementary Statistical Mechanics)	3
RED3012	Principles of Reading	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
PHY2905	Directed Study in Physics	3
EDF4943	Student Internship	9
ESE4945	Internship Seminar	3

Subtotal: 60

Sample Program of Study

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.

Year 1

1st Semester

ENC1101	Introduction to Composition	3
MAC2311C	Calculus I and Lab	4
CHM1045C	General College Chemistry I and Lab	4
SLS1122	Managing Your Success	3

MAC2311C, CHM1045C: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

2nd Semester

LIT2110	Masterpieces of World Literature I	3
ENC1102	Writing with Research	3
CHM1046C	General College Chemistry II and Lab	4
MAC2312C	Calculus II and Lab	4
EDF1005	Introduction to the Teaching Profession	3

CHM1046C, MAC2312C, EDF1005: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

CHM1046C: 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. CHM1046C requires a one credit lab component.

Year 2

1st Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
PHY2048C	Physics with Calculus I and Lab	5
MAC2313C	Calculus III and Lab	4

PHY2048C, MAC2313C: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Choose one of the following

ECO2013	Principles of Macroeconomics OR	3
ECO2023	Principles of Microeconomics	3

Choose one of the following

ARH1000	Art Appreciation OR	3
MUL1010	Music Appreciation	3

2nd Semester

EEX2010	Introduction to Special Education	3
PHY2049C	Physics with Calculus II and Lab	5
EDF2085	Introduction to Diversity for	3

Educators

| GEO2000 | World Geography | 3 |

EEX2010, PHY2049C, EDF2085: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.

Apply for Admission to the BS Program

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. CHM1046C requires a one credit lab component.

Year 3

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

1st Semester

SLS3355L	Orientation to Education Programs Lab	
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
PHY3101	Modern Physics	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3

2nd Semester

EDF3214	Child/Adolescent Development and Learning	3
PHY4424	Geometrical and Physical Optics	3
MAP2302C	Differential Equations and Lab	3
EME3434	Integrating Technology into Math and Science	3
TSL4081	ESOL Issues and Strategies II	3

Year 4

1st Semester

EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
PHY3221	Classical Mechanics	3
PHY3513	Thermal Physics (Thermodynamics and Elementary Statistical Mechanics)	3

RED3012	Principles of Reading	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
PHY2905	Directed Study in Physics	3

2nd Semester

| EDF4943 | Student Internship | 9 |
| ESE4945 | Internship Seminar | 3 |

EDF4943 and ESE4945: In order to be eligible for enrollment in Senior Internship courses, students are required to complete all program courses in addition to passing the Professional Education Test (PEd) and the Subject Area Exam (SAE) aligned to program major. If tests are not passed by scheduled internship date, or if a student willingly postpones scheduled internship, successful completion of a Senior Internship Extension Plan (SIEP) will be required to enroll in Senior Internship for the subsequent semester. The SIEP will be approved by School of Education and will be designed to support students with a timeline and resources to pass the required FTCE exams or to address specific student needs. **All requirements** (program course completion, internship completion, and passing of FTCE exams) must be met in order to complete and graduate from an education program. 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.

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

Engineering Technology (BSET), B.S. Degree

Program Information

BS Degree - Code 633100 - Catalog 2019/2020

Ronald Eaglin, Chair, School of Engineering, 386-506-4176, Ronald.Eaglin@daytonastate.edu
Jessica Matthews, 386-506-4138, Jessica.Matthews@daytonastate.edu

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 <u>educational objectives</u> 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. Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;
2. Design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
3. Apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;
4. Conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and
5. Function effectively as a member as well as a leader on technical teams.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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 transferable 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. Students may use PHY2048C or ETG3541 Applied Mechanics and Physics as a prerequisite to EGN3321 Dynamics. ETG3541 may be used as an upper level technical elective.
6. Students have two options for the required mathematics sequence; the engineering technology applied math sequence or the traditional engineering math sequence. The engineering technology applied mathematics sequence consists of EGN2045 (Engineering and Technology Calculus I) and EGN3046 (Engineering and Technology Calculus II). Students may take MAC2311C or EGN2045 as a prerequisite for EGN3046. Students who complete the traditional engineering math sequence will take MAP2302 and do not need to take EGN3046, but are still required to fulfill 48 hours of upper level courses and should seek advising to find substitute courses.

7. Students intending to continue to a graduate program in Engineering or other technical majors should complete the traditional engineering math sequence which consists of MAC1140, MAC2311C, MAC2312C, and MAP2302 (and optionally MAC2313C). The prerequisite math classes for this sequence are MAC1114 and MAC1105. Students taking math through differential equations (MAP2302) may substitute the required EGN3046 (Engineering and Technology Calculus II) for another upper level technical elective to help complete the requirement for 48 hours of technical coursework.

8. Students that wish to continue to a graduate engineering program should also complete the engineering core courses Statics-EGN3311, Dynamics-EGN3321, Thermodynamics-EGN3343, Engineering Economics-EGN3613, and Principles of Electrical Engineering-EGN3373 in addition to math through differential equations (MAP2302) as noted in item 6.

9. Students transferring from an AS Engineering Technology program will have substitute courses for specific BSET Required courses. Students must complete 48 hours of upper level course work and should seek advising to determine substitution courses for courses completed in their specific AS degree.

Additional Completion Requirements

1. 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.

2. 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.

3. Specific to the graduation requirements of the BSET, students must complete a course in Computer Programming (e.g. EGN3214, COP2800, COP2360, or equivalent). Students planning on doing technical computing as part of their career should take EGN3214 (Programming for Engineers).

4. 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 including 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 degrees) 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.

Program Credit Requirements

Technical Electives (lower or upper level)	44.00
General Education Requirements	36.00
BSET Required and Upper Level Electives	48.00
TOTAL ...	128.00

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Complete All: BSET Program Required Courses

EET3085	Electricity and Electronics	3
EET3085L	Electricity and Electronics Lab	1
ETS3543C	Programmable Logic Applications and Device and Lab	3
ETS4502C	Metrology and Instrumentation and Lab	3
EGN3311	Statics	3
EGN3321	Dynamics	3
EGN3613	Engineering Economics Analysis	3
EGN3046	Engineering and Technology Calculus II	3
GEB3213	Business Writing	3
ETI4448	Project Management and Senior Design I	3
ETG4950C	Project Management and Senior Design II and Lab	3

Select One: Logistics or Quality Course

ETI3116	Engineering Quality Assurance	3
ETI4205	Applied Logistics	3

Select One: Materials course

ETI3421	Materials and Processes	3
ETC4241	Construction Materials and Methods	2
ETC4241L	Construction Materials and Methods Lab	1
ETG3533	Engineering Strength of Materials	2
ETG3533L	Engineering Strength of Materials Lab	1

Select One: Energy Systems or Thermodynamics

EGN3343	Thermodynamics	3
ETM4220	Energy Systems	3

Elective Courses (Choose 8 Credits)

Construction and Design Related Courses

ETC4206	Construction Estimating	3
ETC4241	Construction Materials and Methods	2
ETC4241L	Construction Materials and Methods Lab	1
ETC4414C	Structural Steel Design and Lab	3
ETC4415C	Structural Concrete Design and Lab	3
ETG3533	Engineering Strength of Materials	2
ETG3533L	Engineering Strength of Materials Lab	1

Industrial or Manufacturing Related Courses

EGN3214	Programming for Engineers	3
ETI3690	Technical Sales	3
ETI4186	Applied Reliability	3
ETI4640	Operations Management	3
ETI4205	Applied Logistics	3
ETI4704	Occupational Safety	3
ETM4331	Applied Fluid Mechanics	3
ETG3907	Directed Study in Industrial Systems	3

Subtotal: 48

Sample Program of Study

Year 1

1st Semester - Fall

EGN2045	Engineering and Technology Calculus I OR	4
MAC2311C	Calculus I and Lab	4
GEB3213	Business Writing	3
EET3085	Electricity and Electronics	3
EET3085L	Electricity and Electronics Lab	1
ETS3543C	Programmable Logic Applications and Device and Lab	3
	General Education or Technical Elective	3

Subtotal: 17

2nd Semester - Spring

ETI3116	Engineering Quality Assurance	3
ETI3421	Materials and Processes	3
ETS4502C	Metrology and Instrumentation and Lab	3
EGN3046	Engineering and Technology Calculus II	3
	General Education or Technical Elective	3

Subtotal: 15

Summer Semester

	General Education or Technical Elective	3
	General Education or Technical Elective	3

Subtotal: 6

Year 2

1st Semester - Fall

ETI4448	Project Management and Senior Design I	3
EGN3311	Statics	3
EGN3613	Engineering Economics Analysis	3
ETM4220	Energy Systems	3
	General Education or Technical Elective	3

Subtotal: 15

2nd Semester - Spring

EGN3321	Dynamics	3
ETG4950C	Project Management and Senior Design II and Lab	3
	Elective	3
	Elective	2
	General Education or Technical Elective	4

Subtotal: 15

Students should seek advisement prior to enrolling in classes

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 68

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.

Engineering Technology - Electrical Engineering Technology Concentration, B.S. Degree

Program Information

BS Degree - Code 633300 - Catalog 2019/2020

Ronald Eaglin, Chair, School of Engineering, 386-506-4176, Ronald.Eaglin@daytonastate.edu
Jessica Matthews, 386-506-4138, Jessica.Matthews@daytonastate.edu

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. Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;
2. Design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
3. Apply written, oral, and graphical communication in broadly-defined technical and non-technical

environments; and an ability to identify and use appropriate technical literature;

4. Conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and

5. Function effectively as a member as well as a leader on technical teams.

Program Competencies

The program prepares graduates to have competence in the following curricular areas:

1. the application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers, and engineering standards to the building, testing, operation, and maintenance of electrical/electronic(s) systems;

2. the application of natural sciences and mathematics at or above the level of algebra and trigonometry to the building, testing, operation, and maintenance of electrical/electronic systems;

3. the ability to analyze, design, and implement one or more of the following: control systems, instrumentation systems, communications systems, computer systems, or power systems;

4. the ability to apply project management techniques to electrical/electronic(s) systems; and

5. the ability to utilize differential and integral calculus, as a minimum, to characterize the performance of electrical/electronic systems.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

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 transferable 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. Students may use PHY2048C or ETG3541 (Applied Mechanics and Physics) as a prerequisite to the required EGN3321 (Dynamics).

6. Students should take the engineering technology applied mathematics sequence which consists of EGN 2045 (Engineering and Technology Calculus I, 4 hours) and EGN3046 (Engineering and Technology Calculus II, 3 hours). Students may take MAC2311C or EGN2045 as a prerequisite for EGN3046.

7. Students intending to continue to a graduate program in Engineering or other technical majors may alternatively take the engineering math sequence which consists of MAC1140, MAC2311C, MAC2312C, and MAP2302C. The prerequisite math classes for this sequence are MAC1114 and MAC1105.

8. Students may use MAP2302C (Differential Equations and Lab) to substitute for the program-required course EGN3046 (Engineering and Technology Calculus II). Students must still complete 48 hours of upper level course work and should seek advising to determine suitable upper level courses.

Additional Completion Requirements

1. 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.

2. 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.

3. Specific to the graduation requirements of the program, students must complete a course in C language based Computer Programming (EGN3214, COP2001, COP2220, COP2800, CO2360 or equivalent). EGN3214 may be used as an upper level technical elective.

4. 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 2017 that the median annual salary for Electrical and Electronics Engineering Technologist as $63,660. Median salary information for 2017 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.

Program Credit Requirements

Technical Electives	
	44.00
General Education Core Requirements Credit	36.00
BSET- Electrical Systems Upper Level	
Required Upper Level Credit	
	48.00
TOTAL ...	128.00

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

Concentration Required Courses

CET3198	Digital Systems	2
CET3198L	Digital Systems Lab	1
EET3716	Network Analysis	3
EET4158	Linear Integrated Circuits	3
EET4158L	Linear Integrated Circuits Lab	1
EET4732	Feedback Control Systems	3
EET4732L	Feedback Control Systems Lab	1
ETS3543C	Programmable Logic Applications and Device and Lab	3
ETG4950C	Project Management and Senior Design II and Lab	3
EGN3311	Statics	3
EGN3321	Dynamics	3
ETI3116	Engineering Quality Assurance	3
EGN3613	Engineering Economics Analysis	3
ETI4448	Project Management and Senior Design I	3
ETP4240	Power Systems	3
ETP4240L	Power Systems Lab	1
GEB3213	Business Writing	3
EGN3046	Engineering and Technology Calculus II	3

Subtotal: 45

Elective Course (Choose 3 Credits)

CEN4010	Software Engineering	3
CET4134C	Microprocessor Electronics II and Lab	3
CET4138C	Programmable Digital Devices and Lab	3
CDA4101	Computer Organization and Design	3
COP4610	Operating Systems	3
COP4708	Applied Database I	3
EET4329C	Communications Systems and Lab	4
ETM4331	Applied Fluid Mechanics	3
ETM4220	Energy Systems	3
ETI4704	Occupational Safety	3
EGN3046	Engineering and Technology Calculus II	3
EGN3373	Principles of Electrical Engineering	3

| EGN3343 | Thermodynamics | 3 |
| ETG3907 | Directed Study in Industrial Systems | 3 |

Sample Program of Study

Year 1

1st Semester

EGN2045	Engineering and Technology Calculus I OR	4
MAC2311C	Calculus I and Lab	4
GEB3213	Business Writing	3
CET3198	Digital Systems	2
CET3198L	Digital Systems Lab	1
COP1000	Principles of Computer Programming	3
	General Education or Technical Elective	3

Subtotal: 16

2nd Semester

EGN3046	Engineering and Technology Calculus II	3
ETI3116	Engineering Quality Assurance	3
EGN3613	Engineering Economics Analysis	3
ETS3543C	Programmable Logic Applications and Device and Lab	3
	General Education or Lower Level Elective	3

Subtotal: 15

Summer Semester

| | General Education or Lower Level Elective | 3 |
| | Upper Level Elective | 4 |

Subtotal: 7

Year 2

1st Semester

EET3716	Network Analysis	3
ETP4240	Power Systems	3
ETP4240L	Power Systems Lab	1
EGN3311	Statics	3
ETI4448	Project Management and Senior Design I	3
COP2800	Computer Programming Java	3

Subtotal: 16

2nd Semester

| EGN3321 | Dynamics | 3 |
| ETG4950C | Project Management and | 3 |

	Senior Design II and Lab	
EET4158	Linear Integrated Circuits	3
EET4158L	Linear Integrated Circuits Lab	1
EET4732	Feedback Control Systems	3
EET4732L	Feedback Control Systems Lab	1

Subtotal: 14

Students are strongly encouraged to seek advisement prior to enrolling in courses.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Subtotal: 68

Nursing - BSN, B.S. Degree

Program Information
BS Degree - Code 644100 - Catalog 2019/2020

Nursing Office, 386-506-3250
Kelly Duffy, Assistant Chair, 386-506-3952, Kelly.Duffy@daytonastate.edu
Patricha Dabney, Administrative Specialist, 386-506-3721, Patricha.Dabney@daytonastate.edu
Maria Smith, Staff Assistant, 386-506-3069, Maria.Smith@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the School of Nursing is to provide an innovative learning environment that promotes excellence in the field. Programs prepare students to exhibit professionalism, ethical behaviors, and competency in meeting the dynamic health care needs of individuals across the lifespan, amongst diverse cultures, and across healthcare continuums.

The mission of the registered nurse to Bachelor of Science in Nursing program is to offer a scholarly, comprehensive, innovative program that promotes excellence in nursing. The program offers opportunities for students to apply nursing knowledge to changing healthcare environments across the lifespan, amongst diverse cultures, and across healthcare continuums.

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 online program provides students with a flexible option to earn their degree. It is designed for nurses whose highest academic credential is a diploma or associate degree in nursing and possess a registered nursing license in their

state of residence. 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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Laboratory and Liability Insurance: $51
Textbook Estimate:
$1,000
Background Check/ Drug Screening/ Document Tracker: $120

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 Nursing License in state of residence
- 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 six semester time frame.
- 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

Students must have on file:
- 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.
- Completion of health screening, if required by practicum location, 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).

Additional Completion 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 complete the Humanities (6 credit) requirement 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.

Program Credit Requirements

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: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

NUR3065	Health Assessment	3
NUR3125	Pathophysiology	3
NUR3145	Pharmacology	2
NUR3655	Nursing in a Multicultural Society	3
NUR3826	Legal and Ethical Aspects of Nursing	3
NUR3846	Critical Approaches to Nursing Theory	3
NUR4169	Nursing Research and Evidence-Based Practice	3
NUR4636C	Community Health Nursing and Lab	4
NUR4827C	Leadership and Clinical Decision-Making and Lab	5
NUR4837	Health Care Policy and Economics	3

Sample Program of Study

1st Semester

CHM1025C	Introduction to Chemistry and Lab	4
DEP2004	Developmental Psychology	3
NUR3125	Pathophysiology	3
NUR3846	Critical Approaches to Nursing Theory	3

2nd Semester

STA2023	Elementary Statistics	3
NUR3065	Health Assessment	3
NUR3826	Legal and Ethical Aspects of Nursing	3
HUN1201	Human Nutrition	3

3rd Semester

	Humanities Core	3
NUR3145	Pharmacology	2
NUR3655	Nursing in a Multicultural Society	3
NUR4837	Health Care Policy and Economics	3

4th Semester

NUR4169	Nursing Research and Evidence-Based Practice	3
NUR4636C	Community Health Nursing and Lab	4
NUR4827C	Leadership and Clinical Decision-Making and Lab	5

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

EPI

Educator Preparation Institute

Program Information

EPI - Code 800800 - Catalog 2019/2020

Amy Ringue, Chair, Education, 386-506-3186, Amy.Ringue@daytonastate.edu
Alycia Ehlert, AVP, Education, 386-506-3769, Alycia.Ehlert@daytonastate.edu
Ana Blaine, EPI Ombudsperson, 386-506-3188, Ana.Blaine@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Educator Preparation Institute will provide an alternate route to teacher certification for mid-career professionals and college graduates who are not education majors. The program will produce highly qualified, State certified teachers ready for entry in a variety of K-12 environments. 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 a specialized subject area. The program includes Reading Endorsement Competency 2.

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 Subject Area Competencies (SAC) and Skills for Teacher Certification in a specialized subject area.
3. Demonstrate General Knowledge (GK).
4. Attain additional Uniform Core Curriculum content.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*:	$2,523
Access Fee:	$23.52 ($1.12 per credit)
Assessment Fee:	$34

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- Applicants must have earned a Baccalaureate degree from an accredited institution with an overall grade point average of 2.5. In addition, applicants must have volunteer clearance through Volusia County Schools. Please visit the following website for more information: Volusia County Schools Volunteer.

- Applicants must submit an application to Daytona State College Admissions as well as submit an EPI application to the School of Education. The EPI application includes a current resume and an Official Statement of Status of Eligibility with an eligible classification from the Florida Department of Education. Please visit the following website for more information: Florida Department of Education Teacher Certification.

Program Specific Courses

Code	Title	Credits
SLS3355L	Orientation to Education Programs Lab	
EDF3214	Child/Adolescent Development and Learning	3
EDF4430	Classroom Assessment	3
EDG4323	Professional Teaching Practices	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
TSL3080	ESOL Issues and Strategies I	3
RED3012	Principles of Reading	3
EPI0940	Field Experience I (Professional Foundations)	3

SLS3355L - The purpose of this course is to introduce students to the School of Education processes and overall expectations for disposition for teaching. Pre-service teachers will learn how coursework relates to meeting the

Florida Department of Education requirements for teacher certification and how to ensure they remain a satisfactory candidate for graduation. This required course is offered in the FA and SP and must be completed prior to the start of the semester.

EDG4323, EDF4430, RED3012 and TSL3080- Denotes 15-hour field experience requirement in a Volusia or Flagler County public school.

EDF4603 - Offered in Fall, Spring, or Summer.

EPI0940 - This course is the culminating program field experience and requires 30 hours of field experience in the public schools. This course may be offered in the FA or SP term. In addition to this course completion, students are required to pass the Professional Education Test (PEd), the Subject Area Exam (SAE), and General Knowledge Test of Skills (GKT) to be eligible for graduation.

Sample Program of Study

1st Semester

SLS3355L	Orientation to Education Programs Lab	
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EDF3214	Child/Adolescent Development and Learning	3
TSL3080	ESOL Issues and Strategies I	3

Subtotal: 12

SLS3355L - The purpose of this course is to introduce students to the School of Education processes and overall expectations for disposition for teaching. Pre-service teachers will learn how coursework relates to meeting the Florida Department of Education requirements for teacher certification and how to ensure they remain a satisfactory candidate for graduation. This required course is offered in the FA and SP and must be completed prior to the start of the semester.

EDG4323, EDF4430, RED3012 and TSL3080- Denotes 15-hour field experience requirement in a Volusia or Flagler County public school.

2nd Semester

EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
RED3012	Principles of Reading	3
EPI0940	Field Experience I (Professional Foundations)	3

Subtotal: 9

Subtotal: 21

Vocational Certificate

Advanced Welding (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 121200 - 2019/2020

Timothy Colburn, Assistant Chair, 386-506-3279, Timothy.Colburn@daytonastate.edu
Frank Snyder, Director, 386-506-4171, Frank.Snyder@daytonastate.edu
Bridgette Cherry, Administrative Assistant, 386-506-4165, Bridgette.Cherry@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Advanced Welding program is to provide the knowledge, practice and skill development necessary to become a successful Welder. The Advanced Welding program will enhance the knowledge and skills required to become a career professional 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 and statewide manufacturing market.

Description:

The Advanced Welding program prepares the student for advancement in the Welding industry. Students will explore advanced career opportunities and the requirements of a Professional Welder. The course content emphasizes the Advanced Skills required to be successful in the welding industry. Intermediate and Advanced Shielded Metal Arc Welding (SMAW), Gas-Tungsten Arc Welding (GTAW) and Pipe Fitting Fabrication Techniques are covered within this program of study.

Outcomes:

Graduates of the program will be able to:
1. Apply intermediate shielded metal arc welding (SMAW) pipe welding (Class-B Pipe Welder) skills.
2. Apply and understand fabrication techniques using pipe fitting techniques.
3. Apply advanced gas-tungsten arc welding (GTAW) pipe skill.

4. Apply advanced gas-tungsten arc welding (GTAW) and shielded metal arc welding (SMAW) heavy-wall pipe skills.
5. Apply emerging welding technologies.

Financial Aid

Financial aid eligibility for this program is pending.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $ 2,741
Access Fee: $37.33 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $3,500
Textbook Estimate: $300

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- Graduate from the Welding Technology - Applied, Vocational Certificate (p. 330) program.
- Individuals who can verify their skillset by providing a 3-G Structural Certification may use it as an equivalent experience for admission.
- 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:

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. For additional career information, please see https://www.onetonline.org/link/summary/51-4121.00.

Program Length: The typical length of this program is 2 semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) placement rates for this program are unavailable at this time.

CIP Code (6 digit) - 48.0508 Welding Technology/Welder

Job titles for this certificate are Welders, Cutters, Solderers, and Brazers.

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

PMT0077C	Advanced Welder 1A	375
PMT0078C	Advanced Welder 1B	225
PMT0076C	Advanced Welder II	150

Sample Program of Study

1st Semester

PMT0077C	Advanced Welder 1A	375

2nd Semester

PMT0078C	Advanced Welder 1B	225
PMT0076C	Advanced Welder II	150
TOTAL	VOC.HRS.	25.00
TOTAL	CONTACT HOURS	750.00

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

Air Conditioning, Refrigeration and Heating Mechanic, Vocational Certificate

Program Information

Vocational Certificate - Code 105400 - Catalog 2019/2020

Frank Snyder, Director, 386-506-4171,
Frank.Snyder@DaytonaState.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165,
Bridgette.Cherry@DaytonaState.edu

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 the ability to safely follow rules and regulations to industry standards.
2. Use appropriate tools, equipment, material and electrical products found in the industry.
3. Demonstrate knowledge in all aspects of the industry including but not limited to theory, application, and troubleshooting.
4. Demonstrate the skills needed in the residential markets.
5. Demonstrate the process required to install and maintain a residential HVAC project.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*:	$2741	
Access Fee:		$37.33 ($1.12 per credit)
Assessment Fee:	$34	
Lab Fees:		$771.50
Textbook Estimate:	$502	

*In-state tuition only; out-of-state tuition will be higher.

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

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:

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

Program Length: The typical length of this program is three (3) semesters (45 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 64%.

CIP Code (6 digit) - 47.0201 Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician

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: Most employers may require: Criminal Background Checks - Clean Driving Record - Compliance with Drug Free Work Place Testing

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.

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

Program Specific Courses

ACR0001C	Physical Principles I and Lab	90
ACR0002C	Physical Principles II and Lab	90
ACR0061C	Psychrometrics and Lab	99.9
ACR0062C	Heat Load Calculations and Lab	90
ACR0100C	Basic Electricity I and Lab	90
ACR0102C	Basic Electricity II and Lab	90
ACR0150C	A/C Motors and Controls	90
ACR0205C	Refrigerants I and Lab	90
ACR0506C	Residential Air Conditioning and Refrigeration and Lab	90
ACR0741C	Commercial Refrigeration I and Lab	90
ACR0850C	Air Conditioning Wiring and Lab	90

Sample Program of Study

1st Semester

ACR0001C	Physical Principles I and Lab	90
ACR0100C	Basic Electricity I and Lab	90
ACR0002C	Physical Principles II and Lab	90
ACR0102C	Basic Electricity II and Lab	90

2nd Semester

ACR0150C	A/C Motors and Controls and Lab	90
ACR0506C	Residential Air Conditioning and Refrigeration and Lab	90
ACR0741C	Commercial Refrigeration I and Lab	90
ACR0850C	Air Conditioning Wiring and Lab	90

3rd Semester

ACR0061C	Psychrometrics and Lab	99.9
ACR0062C	Heat Load Calculations and Lab	90
ACR0205C	Refrigerants I and Lab	90
TOTAL	VOC. HRS.	33.33
TOTAL	CONTACT HRS.	1000.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Air Conditioning, Refrigeration, and Heating Technology, Vocational Certificate

Program Information

Vocational Certificate - Code 101100 - Catalog 2019/2020

Frank Snyder, Director, 386-506-4171,
Frank.Snyder@DaytonaState.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@DaytonaState.edu

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 the ability to direct safety rules and regulations to industry standards.
2. Use advance tools, equipment, material and electrical products found in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.
4. Demonstrate the skills needed in the residential and commercial markets.
5. Demonstrate the process required to install, maintain and service a residential or commercial HVAC project.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program..

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.

Approximate Additional Costs

Program Tuition and Fees*:	$3,700
Access Fee:	$50.40 ($1.12 per credit)
Assessment Fee:	$34
Lab Fees:	$771.50
Textbook Estimate:	$300

* In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- This is the advanced Air Conditioning, Refrigeration and Heating program. Students should complete the Air Conditioning, Refrigeration and Heating Mechanic - Code 105400 (p. 295) program before entering.
- Must be able to lift 50 pounds.
- Must be able to climb a 12-foot ladder.

Students who do not have a standard high school diploma/GED may be eligible for admission, on an alternative basis, to this program if they meet the following criteria:

1. Take the Test of Adult Basic Education (TABE) which measures reading, English and math skills, and achieve specified minimum scores.
2. Meet with a counselor/advisor for placement test evaluation to receive advice on course selection and registration.
3. Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Careers

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:

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

Program Length: The typical length of this program is four (4) semesters (51 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 64%.

CIP Code (6 digit) - 47.0201 Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician

Job title for this certificate is Heating, A/C and Refrigeration Technician.
*Note: Most employers may require: Criminal Background Checks - Clean Driving Record - Compliance with Drug Free Work Place Testing

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

ACR0001C	Physical Principles I and Lab	90
ACR0002C	Physical Principles II and Lab	90
ACR0061C	Psychrometrics and Lab	99.9
ACR0062C	Heat Load Calculations and Lab	90
ACR0100C	Basic Electricity I and Lab	90
ACR0102C	Basic Electricity II and Lab	90
ACR0150C	A/C Motors and Controls and Lab	90
ACR0205C	Refrigerants I and Lab	90
ACR0506C	Residential Air Conditioning and Refrigeration and Lab	90
ACR0600C	Fossil Fuel Heating and Lab	80.1
ACR0601C	Heat Pumps and Lab	90
ACR0741C	Commercial Refrigeration I and Lab	90
ACR0742C	Commercial Refrigeration II and Lab	90
ACR0815C	Advanced Service Practice and Lab	90
ACR0850C	Air Conditioning Wiring and Lab	90

Sample Program of Study

1st Semester

ACR0001C	Physical Principles I and Lab	90
ACR0002C	Physical Principles II and Lab	90
ACR0100C	Basic Electricity I and Lab	90
ACR0102C	Basic Electricity II and Lab	90

2nd Semester

ACR0150C	A/C Motors and Controls and Lab	90
ACR0506C	Residential Air Conditioning and Refrigeration and Lab	90
ACR0741C	Commercial Refrigeration I and Lab	90
ACR0850C	Air Conditioning Wiring and Lab	90

3rd Semester

ACR0061C	Psychrometrics and Lab	99.9
ACR0062C	Heat Load Calculations and Lab	90
ACR0205C	Refrigerants I and Lab	90

4th Semester

ACR0600C	Fossil Fuel Heating and Lab	80.1
ACR0601C	Heat Pumps and Lab	90
ACR0742C	Commercial Refrigeration II and Lab	90
ACR0815C	Advanced Service Practice and Lab	90
TOTAL	VOC. HRS.	45.00
TOTAL	CONTACT HOURS	1350.00

Automotive Collision Repair and Refinishing, Vocational Certificate

Program Information

Vocational Certificate - Code 121100 - Catalog 2019/2020

Eugene Deyo, Assistant Chair, 386-506-4169, Eugene.Deyo@DaytonaState.edu
Frank Snyder, Director, 386-506-4171, Frank.Snyder@DaytonaState.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@DaytonaState.edu

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.

The program accepts new students in the Spring, Fall or Summer. For course access and information go to http://www.daytonastate.edu/falconcentral. Access to a computer with high-speed internet connection is needed.

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 the ability to follow safety rules and regulations to NATEF standards.
2. Use appropriate tools, equipment, material and computerized products found in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.
4. Demonstrate the skills needed in collision repair and refinishing.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $3,166
Access Fee: $43.12 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $1,264.75
Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

It is recommended that students 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.

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 any career, job, or salary potential can be found at http://www.onetonline.org. For additional career information, please see:

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

Program Length: The typical length of this program is four (4) semesters (40 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 79%.

CIP Code (6 digit): 47.0603 Auto Body/Collision and Repair Technology/Technician

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

ARR0121C	Introduction to Refinishing and Lab	120
ARR0122C	Refinishing and Lab	120
ARR0123C	Advanced Refinishing and Lab	120
ARR0241C	Introduction to Collision Repair and Lab	120
ARR0242C	Collision Repair and Lab	120
ARR0243C	Advanced Collision Repair and Lab	120
ARR0381C	Introduction to Unibody and Frame and Lab	120
ARR0382C	Unibody and Frame II and Lab	120
ARR0244C	Basic Collision and Refinishing Overview (Work On Your Own Car) and Lab OR	120
ARR0949	Cooperative Education Experience in Automotive Body Repair and Refinishing	120
ARR0021	Automotive Collision Estimating	75

Sample Program of Study

1st Semester

ARR0121C	Introduction to Refinishing and Lab	120
ARR0241C	Introduction to Collision Repair and Lab	120
ARR0381C	Introduction to Unibody and Frame and Lab	120

2nd Semester

ARR0122C	Refinishing and Lab	120
ARR0242C	Collision Repair and Lab	120
ARR0382C	Unibody and Frame II and Lab	120

Summer Semester

ARR0123C	Advanced Refinishing and Lab	120
ARR0243C	Advanced Collision Repair and Lab	120
ARR0244C	Basic Collision and Refinishing Overview (Work On Your Own Car) and Lab OR	120
ARR0949	Cooperative Education Experience in Automotive Body Repair and Refinishing	120

3rd Semester

ARR0021	Automotive Collision Estimating	75
TOTAL	Vocational Hours	38.50

TOTAL Contact Hours 1155.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) *for requisite requirements.*

Automotive Service Technology, Vocational Certificate

Program Information

Vocational Certificate - Code 120100 - Catalog 2019/2020

Casey Knecht, Assistant Chair, 386-506-4178, Casey.Knecht@DaytonaState.edu
Frank Snyder, Director, 386-506-4171, Frank.Snyder@DaytonaState.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Automotive Service Technology program is to provide the knowledge, practice and skill development necessary for a successful career in the automotive service industry. Through advanced teaching, learning and innovation we build strong ties to the community while emphasizing student success. By embracing excellence and diversity, and fostering innovation we enhance teaching and learning so that high quality educational opportunities are available to everyone.

Description:

The Automotive Service Technology program prepares the student to enter the rapidly changing and highly technical automotive industry and prepares the student to be successful on Automotive Service Excellence (ASE) tests A1 through A8. The entire program is 1800 hours and may be completed in two years. The courses are offered during the day and evening at the Advanced Technology College. The program is divided into nine occupational completion points or courses.

Program Accreditation: The Automotive Service Technology Program is accredited by the National Automotive Technicians Education Foundation (NATEF). The Advanced Technology College campus is an ASE testing site.

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 appropriate employability skills.
2. Safely perform industry light line service procedures as described by NATEF.
3. Diagnose automotive systems.
4. Service automotive systems.
5. Repair automotive systems.

Financial Aid

This program is eligible for federal financial aid and Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*:	$4,934
Access Fee:	$67.20 ($1.12 per credit)
Assessment Fee:	$34
Lab Fees:	$712
Textbook Estimate:	$300

Students will be required to purchase uniforms and safety glasses throughout the course of this program. Consult the assistant chair for additional costs.

*In-state tuition only; out-of-state tuition will be higher.

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 any career, job, or salary potential can be found at http://www.onetonline.org. For additional career information, please see:

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

Program Length: The typical length of this program is four (4) semesters (60 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 80%.

CIP Code (6 digit): 15.0803 Automotive Engineering Technology/Technician

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

AER0014C	Automotive Service Assistor and Lab	300
AER0418C	Automotive Brake Systems and Lab	150
AER0274C	Manual Drivetrain and Axle and Lab	150
AER0503C	Automotive Engine Performance and Lab	300
AER0172C	Automotive Heating and Air Conditioning Systems and Lab	150
AER0110C	Engine Mechanical Service and Repair and Lab	150
AER0453C	Automotive Steering and Suspension and Lab	150
AER0360C	Electricity/Electronics Fundamentals and Lab	300
AER0257C	Automotive Transmission and Transaxles and Lab	150

Sample Program of Study

1st Semester

AER0014C	Automotive Service Assistor and Lab	300
AER0418C	Automotive Brake Systems and Lab	150

2nd Semester

AER0274C	Manual Drivetrain and Axle and Lab	150
AER0503C	Automotive Engine Performance and Lab	300

3rd Semester

AER0172C	Automotive Heating and Air Conditioning Systems and Lab	150
AER0110C	Engine Mechanical Service and Repair and Lab	150
AER0453C	Automotive Steering and Suspension and Lab	150

4th Semester

AER0360C	Electricity/Electronics Fundamentals and Lab	300
AER0257C	Automotive Transmission and Transaxles and Lab	150
TOTAL	VOC. HRS.	60.00
TOTAL	CONTACT HOURS	1800.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Notes

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

Barbering, Vocational Certificate

Program Information

Vocational Certificate - Code 120400 - Catalog 2019/2020
Dee Gay, Chair, 386-506-4452,
Dee.Gay@daytonastate.edu

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. Complete all skills and techniques as required by State Board in the following categories: FL Law, Hair Structure and Chemistry, Haircutting and Styling, Shampooing, Chemical Procedures, Shaving, Beard and Mustache Trimming.
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. Develop a professional image, business standards and employability skills to satisfy a diverse population.
4. Apply critical thinking skills to solve problems that may arise in the barbering industry.

Financial Aid

This program is eligible for federal financial aid and Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*:	$3,290
Access Fee:	$44.80 ($1.12 per credit)
Assessment Fee:	$34
Lab Fees:	$836
Textbook Estimate (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.

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. For additional career information, please see:

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://onetonline.org/link/summary/39-5092.00

39-5094.00 Skin Care Specialists http://www.onetonline.org/help/bright/39-5094.00

Program Length: 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) placement rates for this program are unavailable at this time.

CIP Code (6 digits) - 12.0402 Barbering

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.

Program Specific Courses

COS0012L	Barbering Lab - Level I	240
COS0511L	Barbering Lab - Level II	240
COS0560L	Barbering Lab - Level III	240
COS0570L	Barbering Lab - Level IV	240
COS0580L	Barbering Lab - Level V	240
TOTAL	VOC. HRS.	40.00
TOTAL	CONTACT HRS.	1200.00

Specializations

COS0501L	Barbering Bridge Lab - Introduction to Barbering: Shaves/Beards/Mustaches	240

Sample Program of Study

1st Semester

COS0012L	Barbering Lab - Level I	240
COS0511L	Barbering Lab - Level II	240

2nd Semester

COS0560L	Barbering Lab - Level III	240
COS0570L	Barbering Lab - Level IV	240

3rd Semester

COS0580L	Barbering Lab - Level V	240
TOTAL	VOC. HRS.	40.00
TOTAL	CONTACT HRS.	1200.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Building Trades and Construction Design Technology, Vocational Certificate

Program Information

Vocational Certificate - Code 120900 - Catalog 2019/2020

Frank Snyder, Director, 386-506-4171, Frank.Snyder@DaytonaState.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:

The Building Trades and Construction Design Technology program provides students with the knowledge and skills necessary to be successful in the construction industry. The program embraces diversity and uses innovative teaching and learning practices to engage students and the community in preparing the workforce of the future.

Description:

The purpose of this program is to provide the student with basic construction skills including but not limited to applying construction techniques, reading blueprints and specifications and developing trade skills in carpentry, masonry, electricity, plumbing and air conditioning. The student will have the opportunity to earn industry credentials from the National Center for Construction Education and Research (NCCER).

The program is 2 semesters and 900 clock hours. Program completers are prepared for entry-level employment in a variety of construction related fields.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate an understanding of the construction industry and related occupations including but not limited to OSHA safety practices, selection and use of basic hand and power tools, and understanding of construction related documents.
2. Apply rough and finish carpentry, masonry, electrical, plumbing and air conditioning skills.
3. Develop employability and entrepreneurship skills.
4. Demonstrate the ability to plan and implement projects within the construction field.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $2,467
Access Fee: $33.60 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $336.20
Textbook Estimate: $200.00

*In-state tuition only; out-of-state 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.

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. For additional career information, please see:

47-2061.00 Construction Laborers Bright Outlook http://www.onetonline.org/link/summary/47-2061

47-3012.00 Helpers-Carpenters Bright Outlook Green

47-2031.00 Carpenters Bright Outlook http://www.onetonline.org/link/summary/47-2031.01

47-2031.01 Construction Carpenters Green

47-2031-02 Rough Carpenters Green

47-2152.02 Plumbers Bright Outlook Green

47.2111.00 Electricians Bright Outlook Green

47-3013.00 Helpers-Electricians Bright Outlook

Program Length: The typical length of this program is 2 semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 33%.

CIP Code (6 digit): 46.0415

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

BCV0080L	Building Construction Assistant I Lab	375
BCV0084L	Building Construction Assistant II Lab	75
BCV0081L	Carpentry and Masonry Technician Lab	150
BCV0082L	Electrical and Plumbing Technician Lab	150
BCV0942C	Building Construction Capstone	150
TOTAL	VOC. HRS.	30.00
TOTAL	CONTACT HRS.	900.00

CNC Machining, Vocational Certificate

Program Information

Vocational Certificate - Code 121400 - Catalog 2019/2020

Frank Snyder, Director, 386-506-4171, Frank.Snyder@daytonastate.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the CNC 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 the ability to follow safety rules and regulations to machining standards.
2. Utilize appropriate machine tooling, equipment, materials and electrical products found in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.
4. Demonstrate the steps needed to successfully complete projects.
5. Demonstrate the skills needed in the commercial and industrial markets.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $1,644.80
Access Fee: $22.40 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $120
Textbook Estimate: $300

*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.

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. For additional career information, please see:
51-4041.00
Machinists http://www.onetonline.org/link/summary/51-4041.00

51-4011 – Computer-Controlled Machine Tool Operators, Metal and
Plastic https://www.onetonline.org/link/summary/51-4011.00

51-4012 – Computer Numerically Controlled Machine Tool Programmers, Metal and
Plastic https://www.onetonline.org/link/summary/51-4012.00

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) placement rate for this program is unavailable at this time.

CIP Code (6 digit) 48.0503

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

PMT0202C	Introduction to Machining and Lab	150
PMT0251C	CNC Mill and Lab	150
PMT0260C	CAD/CAM Programming and Lab	150
PMT0720C	CNC Lathe and Lab	150

Sample Program of Study

1st Semester

PMT0202C	Introduction to Machining	150
	and Lab	
PMT0251C	CNC Mill and Lab	150

2nd Semester

PMT0260C	CAD/CAM Programming and Lab	150
PMT0720C	CNC Lathe and Lab	150
TOTAL	VOC. HRS.	20.00
TOTAL	CONTACT HRS.	600.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Correctional Officer Recruit Training (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 105000 - Catalog 2019/2020

Beth Rafferty, Senior Staff Assistant, 386-506-4202, Elizabeth.Rafferty@daytonastate.edu
Patricia Lane, Senior Staff Assistant, 386-506-4129, Patricia.Lane@daytonastate.edu
James Jabluszewski, Assistant Chair, 386-506-4113, James.Jabluszewski@daytonastate.edu
Sheila Ellison, Director, 386-506-4201, Sheila.Ellison@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Basic Correctional 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 State Officer Certification Examination for Correctional Certification/Employment.

Outcomes:

Graduates of the program will be able to:

1. Exhibit effective communication within the field of Corrections in the State of Florida.
2. Demonstrate professional behaviors consistent with the expectations for the field of Corrections in the State of Florida.
3. Demonstrate safe practices within the field of Corrections in the State of Florida.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $1,151
Access Fee: $15.68 ($1.12 per credit)
Assessment Fee: $34 (First Semester Only)
Lab Fees: $325
Physical Exam: $150 to $250
Textbooks/Equipment/Uniforms: $300
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 70%.
- Must attend the Criminal Justice Training Center Orientation.
- Satisfactory results of a Florida Department of Law Enforcement and FBI background check.
- Must be able to meet minimum standards for certification as a correctional officer 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.

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. For additional career information, please see: https://www.onetonline.org/link/summary/33-3012.00.

Program Length: The typical length of this program is 2 semesters for a full-time student . The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 89%.

CIP Code (6 digit) - 43.0102

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

CJK0300	Introduction to Corrections	32.1
CJK0305	CJSTC Communications	39.9
CJK0310	Officer Safety	12
CJK0315	Facility and Equipment	12
CJK0320	Intake and Release	18
CJK0325	Supervising in a Correctional Facility	39.9
CJK0330	Supervising Special Populations	20.1
CJK0335	Responding to Incidents and Emergencies	15.9
CJK0340	Officer Wellness and Physical Abilities	30
CJK0051	Criminal Justice Defensive Tactics	80.1
CJK0040	CMS Criminal Justice Firearms	80.1
CJK0031	CMS First Aid for Criminal Justice Officers	39.9

Sample Program of Study

CJK0300	Introduction to Corrections	32.1
CJK0305	CJSTC Communications	39.9
CJK0310	Officer Safety	12
CJK0315	Facility and Equipment	12
CJK0320	Intake and Release	18
CJK0325	Supervising in a Correctional Facility	39.9

CJK0330	Supervising Special Populations	20.1
CJK0335	Responding to Incidents and Emergencies	15.9
CJK0340	Officer Wellness and Physical Abilities	30
CJK0051	Criminal Justice Defensive Tactics	80.1
CJK0040	CMS Criminal Justice Firearms	80.1
CJK0031	CMS First Aid for Criminal Justice Officers	39.9
TOTAL	VOC. CRS.	14.00
TOTAL	CONTACT HRS.	420.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Cosmetology, Vocational Certificate

Program Information

Vocational Certificate - Code 108400 - Catalog 2019/2020

Dee Gay, Chair, Daytona Campus, 386-506-4452, Dee.Gay@daytonastate.edu
Krissy Blackwelder, Deltona Campus, 386-789-7346, Krissy.Blackwelder@daytonastate.edu

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. Perform all competencies in hair as required by the Florida State Board of Cosmetology.
2. Perform all competencies in skin as required by the Florida State Board of Cosmetology.
3. Perform all competencies in nails as required by the Florida State Board of Cosmetology.
4. Demonstrate in a classroom setting, the theory and skill based training for safe and efficient work practices based on OSHA and the
5. Department of Business and Professional Regulations.
6. Apply critical thinking skills to solve problems that may arise in the cosmetology industry.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*:	$3,290
Access Fee:	$44.80 ($1.12 per credit)
Assessment Fee:	$34
Lab Fees:	$876
Textbook Estimate (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.

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. For additional career information, please see:

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

Program Length: 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 (2016-17) for this field at 64%.

CIP Code (6 digit): 12.0401 Cosmetology/Cosmetologist, General

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

COS0080L	Cosmetology I Lab	240
COS0081L	Cosmetology II Lab	240
COS0082L	Cosmetology III Lab	240
COS0083L	Cosmetology IV Lab	240
COS0084L	Cosmetology V Lab	240

Sample Program of Study

1st Semester

COS0080L	Cosmetology I Lab	240
COS0081L	Cosmetology II Lab	240

2nd Semester

COS0082L	Cosmetology III Lab	240
COS0083L	Cosmetology IV Lab	240

3rd Semester

COS0084L	Cosmetology V Lab	240
TOTAL	VOC. HRS.	40.00
TOTAL	CONTACT HRS.	1200.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Dental Assisting (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 104800 - Catalog 2019/2020

Leslie Fehl, Assistant Chair, 386-506-3758, Leslie.Fehl@daytonastate.edu
Pamela Ridilla, Chairperson, 386-785-2093, Pamela.Ridilla@daytonastate.edu

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 and has been granted the accreditation status of "approval without reporting requirements". The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611. The Commission's web address is http://www.ada.org/en/coda.

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 principles of four-handed dentistry during collection of diagnostic data and chairside procedures.
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.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $3,372
Access Fee: $45.92 ($1.12 per credit)
Assessment Fee: $34
Lab Fees (including liability insurance): $295

Textbook Estimate: $1,035 Uniforms and Lab Supplies: $529

American Dental Assistants Association Student Membership: $45
Class Pin and Composite Picture: $70
Dental Assisting National Board Examination: $450
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.
- 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 courses (Summer Semester Term B).
- Applicants must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- Score on the placement test for vocational certification programs (TABE) indicating reading, language, and math skills at a 10th grade level or higher. Applicants who **started** high school in the 9th grade in 2003 or after at a **Florida Public** high school AND **graduated** from a Florida Public high school with a standard high school diploma are exempt from any placement testing. Active duty military applicants are also exempt from any placement testing. Those applicants who 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. Contact an Academic Advisor for assistance.
- 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).
- Completion of health screening to include: recent physical examination; verification of immunization against tetanus-diphtheria, measles, mumps, rubella, and Hepatitis B; and negative PPD test (or chest x-ray if indicated) for tuberculosis is required **prior** to the start of Fall semester 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 the start of Fall semester courses.
- OST1330 Business English is an acceptable prerequisite course for SPC2608 Oral Communication/Research/Presentation Skills and INP 1390 Human Relations in the Workplace for this program.
- ENC1101 Introduction to Composition may be substituted for OST1330 Business English for this program.
- PSY1012 General Psychology may be substituted for INP1390 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.

Additional Completion Requirements

- Submit completed School of Dental Science application for continuing enrollment to the Academic Advisor in the College of Health and Public Services. Applications are accepted anytime during the year.
- Completion of a minimum of eight (8) observation hours in a dental facility is required before submitting an application for continuing enrollment.
- Student selection for continuing enrollment is based on specific admission criteria and a points system. Selection is made once a year. The Program starts annually in July.
- Cumulative grade point average of 2.0 or better to apply for continuing enrollment.
- Applicants with higher cumulative GPAs and successful completion of all corequisite courses will be considered more favorably for continuing enrollment.
- Program general education and dental assisting courses must be completed with a grade of "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 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/31-9091.00.

Program Length: The length of this program is four (4) semesters (42 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 88%.

CIP Code (6 digit) - 51.0601

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

General Education Core - 3 Credits

Communication Core (3 credits)

SPC2608	Oral Communications/Research/Presentation Skills	3

Note: Prior to enrollment in college-level English or math courses, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Program Specific Courses

OST1330	Business English	3
SLS1122	Managing Your Success	3
INP1390	Human Relations in the Workplace	3
DEA0000	Introduction to Dental Assisting	30
DEA0020C	Chairside Assisting I and Lab	105
DEA0130	Biomedical Science	60
DEA0801C	Chairside Assisting II and Lab	105
DEA0850L	Externship I	240
DEA0851L	Externship II	240
DES0002	Dental Anatomy and Physiology	30
DES0103C	Dental Materials and Laboratory Procedures	90
DES0205C	Dental Radiology and Lab	90
DES0501	Practice Management	30
DES0844	Preventive Dentistry and Nutrition	30

Sample Program of Study

Summer Semester (Term B - Six Weeks)

DES0002	Dental Anatomy and Physiology	30
DEA0000	Introduction to Dental Assisting	30
SLS1122	Managing Your Success	3

Fall Semester

OST1330	Business English	3
INP1390	Human Relations in the Workplace	3
DEA0020C	Chairside Assisting I and Lab	105
DES0103C	Dental Materials and Laboratory Procedures	90
DES0205C	Dental Radiology and Lab	90

Spring Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
DEA0130	Biomedical Science	60
DEA0801C	Chairside Assisting II and Lab	105
DEA0850L	Externship I	240
DES0501	Practice Management	30

DES0844	Preventive Dentistry and Nutrition	30

Summer Semester (Term A - Six Weeks)

DEA0851L	Externship II	240
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 (p. 332) for requisite requirements.

Fire Fighter (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 105600 - Catalog 2019/2000

Teresa Campbell, Senior Staff Assistant, 386-506-4203, Teresa.Campbell@daytonastate.edu
David McCallister, Assistant Chair, 386-506-4177, David.Mccallister@daytonastate.edu
Sheila Ellison, Director, 386-506-4201, Sheila.Ellison@daytonastate.edu

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, Florida Administrative Code 69A-37, 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. Exhibit effective communication within the fire fighting field.
2. Demonstrate professional behaviors consistent with the expectations for an entry level fire fighter.
3. Demonstrate safe practices within the fire fighting profession.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $1,091
Access Fee: $14.86 ($1.12 per credit)
Assessment Fee: $34
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: $700
Physical Examination: $120
State Application/Fingerprint Fee: $90

*In-state tuition listed; out-of-state tuition will be higher.

Additional Admission Requirements

- Complete the Fire Fighter program application.
- Complete a physical examination.
- Complete a state-mandated criminal background check.
- Be 18 years of age before completion of the program.
- Have a standard high school diploma or a GED.
- Cannot currently be on probation.
- Have not been convicted of a misdemeanor related to the certification or to perjury or false statement, or of a felony, or of a crime punishable by imprisonment of one year or more.
- Cannot have a dishonorable discharge from any branch of the US Armed Forces.
- Attending the mandatory Fire Fighter program Orientation.
- Order classroom uniforms, rent firefighter bunker gear, purchase textbooks and classroom supplies/materials.
- Follow the rules and regulations outlined in the program's 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 applying for the program.

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. For additional career information, please see: https://www.onetonline.org/find/quick?s=33-2011.

Program Length: The typical length of this program is one (1) semester (15 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 61%.

CIP Code (6 digit) - 43.0203

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

FFP0010	Firefighter I	206
FFP0020	Firefighter II	192

Sample Program of Study

FFP0010	Firefighter I	206
FFP0020	Firefighter II	192
TOTAL	VOC HRS.	13.27
TOTAL	CONTACT HRS.	398.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) *for requisite requirements.*

Florida Law Enforcement Academy (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 105100 - Catalog 2019/2020

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James Jabluszewski, Assistant Chair, 386-506-4113, James.Jabluszewski@daytonastate.edu
Sheila Ellison, Director, 386-506-4201, Sheila.Ellison@daytonastate.edu

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 State Officer Certification Examination for police officer certification/employment.

Outcomes:

Graduates of the program will be able to:

1. Exhibit effective communication within the Law Enforcement profession in the State of Florida.
2. Demonstrate professional behaviors consistent with the expectations for a Law Enforcement provider in the State of Florida.
3. Demonstrate safe practices within the Law Enforcement profession in the State of Florida.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*:	$2,111
Access Fee:	$28.75 ($1.12 per credit)
Assessment Fee:	$34 (First Semester Only)
Lab Fees:	$424
Equipment/Uniforms:	$500

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 70%.
- Must attend the Criminal Justice Training Center Orientation.
- Satisfactory results of a Florida Department of Law Enforcement and FBI background check.
- Must be able to meet minimum standards for certication as a law enforcement officer 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. For additional career information. please see: http://www.onetonline.org/link/summary/35-3051.00.

Program Length: The typical length of this program is three (3) semesters (20 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 86%.

CIP Code (6 digit) - 43.0107 Criminal Justice

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

CJK0001	Introduction to Law Enforcement	9.9
CJK0012	Law Enforcement Legal	62.1
CJK0013	Law Enforcement Interactions in a Diverse Community	39.9
CJK0014	Law Enforcement Interviewing and Report Writing	56.1
CJK0020	CMS Law Enforcement Vehicle Operations	48
CJK0031	CMS First Aid for Criminal Justice Officers	39.9
CJK0040	CMS Criminal Justice Firearms	80.1
CJK0051	Criminal Justice Defensive Tactics	80.1
CJK0064	Law Enforcement Fundamentals of Patrol	35.1
CJK0065	Law Enforcement Calls for Service	36
CJK0077	Criminal Investigations	50.1
CJK0078	Law Enforcement Crime Scene to Courtroom	35.1
CJK0084	Law Enforcement DUI Traffic Stops	24
CJK0087	Law Enforcement Traffic Stops	30
CJK0088	Law Enforcement Traffic Crash Investigations	31.8
CJK0092	Law Enforcement Critical Incidents	43.8
CJK0096	Law Enforcement Officer Physical Fitness Training	60
CJK0422	Dart Stun Gun Firing	8.1

Sample Program of Study

CJK0001	Introduction to Law Enforcement	9.9
CJK0012	Law Enforcement Legal	62.1
CJK0013	Law Enforcement Interactions in a Diverse Community	39.9
CJK0014	Law Enforcement Interviewing and Report Writing	56.1
CJK0020	CMS Law Enforcement Vehicle Operations	48

CJK0031	CMS First Aid for Criminal Justice Officers	39.9
CJK0040	CMS Criminal Justice Firearms	80.1
CJK0051	Criminal Justice Defensive Tactics	80.1
CJK0064	Law Enforcement Fundamentals of Patrol	35.1
CJK0065	Law Enforcement Calls for Service	36
CJK0077	Criminal Investigations	50.1
CJK0078	Law Enforcement Crime Scene to Courtroom	35.1
CJK0084	Law Enforcement DUI Traffic Stops	24
CJK0087	Law Enforcement Traffic Stops	30
CJK0088	Law Enforcement Traffic Crash Investigations	31.8
CJK0092	Law Enforcement Critical Incidents	43.8
CJK0096	Law Enforcement Officer Physical Fitness Training	60
CJK0422	Dart Stun Gun Firing	8.1
TOTAL	VOC. HRS.	25.67
TOTAL	CONTACT HRS.	770.00

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

Massage Therapy (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 102400 - Catalog 2019/2020

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Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

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 professional, ethical, and caring manner.

Description:

Massage Therapy is a 750-hour vocational certificate program which provides students with the knowledge and

skills of therapeutic massage. The curriculum prepares students to pass the state licensing exam which is required to practice in the state of Florida. Students will be prepared for entry level employment as a massage therapy professional. The course content includes Anatomy and Physiology, History of Massage, Hydrotherapy, Allied Modalities, Theory and Practice of Massage, Florida Statutes, Professional Ethics, Pathology, Professional and Personal Development, Prevention of Medical Errors, and a HIV/AIDs education course. Students must obtain and provide proof of CPR/BLS prior to enrollment.

Outcomes:

Graduates of the program will be able to:

1. Exhibit an understanding of the principles theories of therapeutic massage and demonstrate the proper techniques of massage manipulations including safety, hygiene and health practices.
2. Demonstrate an understanding of human anatomy and physiology, kinesiology and pathology as related to the practice of massage therapy.
3. Explain and appropriately apply allied modalities including the principles theories and use of hydrotherapy.
4. Demonstrate knowledge of basic business practices and ethical standards as outlined in statutes of the Florida Massage Practice Act and the rules of The Board of Massage Therapy (Chapter 480, F.S, Chapter 456 F.S., and Chapter 64B7).
5. Demonstrate the ability to communicate effectively as a medical therapy professional.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*:		$2,056
Access Fee:		$28 ($1.12 per credit)
Assessment Fee:	$34	
Lab Fees:		$57
Textbook Estimate:		$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.

Additional Admission Requirements

- Attend mandatory program orientation.
- Admission 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).
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- 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.

Additional Completion Requirements

- Submit completed application for continuing enrollment to the School of Health Careers.
- 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

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/31-9011.00.

Program Length: The typical length of this program is two (2) semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 74%.

CIP Code (6 digit) - 51.3501

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

Program specific courses must be completed with a grade 'C' or better.

HSC0005	Healthcare Concepts for the Massage Therapist	90
MSS0156	Anatomy and Physiology for Massage Therapist I	75
MSS0157	Anatomy and Physiology Massage Therapist II	75
MSS0215	Statutes/Rules and Ethics	9.9
MSS0274	Pathology Related to Massage Therapy	45
MSS0283	Allied Modalities I	51
MSS0284	Allied Modalities II	51
MSS0315	Theory and Practice of Hydrotherapy	20.1
MSS0601	Professional and Personal Development	15
MSS0803	Massage Theory and Clinical Practicum I	37.5
MSS0803L	Massage Theory and Clinical Practicum I Lab	121.5
MSS0804	Massage Theory and Practicum II	37.5
MSS0804L	Massage Theory and Practicum II Lab	121.5

Sample Program of Study

1st Semester - Fall

HSC0005	Healthcare Concepts for the Massage Therapist	90
MSS0156	Anatomy and Physiology for Massage Therapist I	75
MSS0283	Allied Modalities I	51
MSS0215	Statutes/Rules and Ethics	9.9
MSS0803	Massage Theory and Clinical Practicum I	37.5
MSS0803L	Massage Theory and Clinical Practicum I Lab	121.5

2nd Semester - Spring

MSS0157	Anatomy and Physiology Massage Therapist II	75
MSS0601	Professional and Personal Development	15
MSS0274	Pathology Related to Massage Therapy	45
MSS0284	Allied Modalities II	51
MSS0804	Massage Theory and	37.5

	Practicum II	
MSS0804L	Massage Theory and Practicum II Lab	121.5
MSS0315	Theory and Practice of Hydrotherapy	20.1
TOTAL	VOC. HRS.	25.00
TOTAL	CONTACT HRS.	750.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) *for requisite requirements.*

Medical Assisting (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 102301 - Catalog 2019/2020

Tamara Mottler, Assistant Chair, 386-506-3215, Tamara.Mottler@daytonastate.edu
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Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

It is the goal of the Medical Assisting program at Daytona State College to:

1. Prepare competent entry-level medical assistants in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains.
2. To provide the local and surrounding communities with highly trained competent medical professionals.

Medical assisting is one of the fastest growing allied health professions in the country. 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. 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, 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763; (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 administrative and clinical 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. Develop life-long learning habits for personal and professional growth and development.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*: $3,563

Access Fee: $48.53 ($1.12 per credit)
Assessment Fee: $34
Lab Fees: $114
Textbook Estimate: $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.

Additional Admission Requirements

- 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).
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- 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.
- Basic Cardiac Life Support for Health Care Provider and AED through American Heart Association or American Red Cross.
- 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.

Additional Completion Requirements

- Submit completed application for continuing enrollment to the School of Health Careers.
- Applications are accepted anytime during the year.
- Selection is made once per year based on cumulative GPA of at least 2.0 or better.
- Program specific courses must be completed with a grade '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 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/31-9092.00

Program Length: The typical length of this program is
three (3) semesters (36 weeks) for a full-time student. The
Florida Education and Training Placement Information
Program (FETPIP) lists the placement rate (2016-17) for
this field at 78%.

CIP Code (6 digit) - 51.0801 Medical Assistant

*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

Program specific courses must be completed with a grade
'C' or better.

MEA0005	Introduction to Medical Assisting	120.9
MEA0204C	Clinical Procedures for Medical Assisting and Lab	150
MEA0230C	Medical Terminology for Medical Assisting and Lab	120
MEA0231C	Anatomy and Physiology for Medical Assisting and Lab	180
MEA0242C	Pharmacology for Medical Assisting and Lab	120
MEA0256C	Laboratory Procedures for Medical Assisting	189
MEA0310C	Clerical Procedures for Medical Assisting and Lab	120
MEA0334C	Coding for Medical Assisting and Lab	60
MEA0801	Externship for Medical Assisting	240

Sample Program of Study

1st Semester - Fall

MEA0005	Introduction to Medical Assisting	120.9
MEA0230C	Medical Terminology for Medical Assisting and Lab	120
MEA0231C	Anatomy and Physiology for Medical Assisting and Lab	180
MEA0310C	Clerical Procedures for Medical Assisting and Lab	120

2nd Semester - Spring

MEA0204C	Clinical Procedures for Medical Assisting and Lab	150
MEA0242C	Pharmacology for Medical Assisting and Lab	120
MEA0256C	Laboratory Procedures for Medical Assisting	189
MEA0334C	Coding for Medical Assisting and Lab	60

3rd Semester - Summer

MEA0801	Externship for Medical Assisting	240
TOTAL	VOC. HRS.	43.33
TOTAL	CONTACT HRS.	1300.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Nursing Assistant (Long Term Care), Vocational Certificate

Program Information

Vocational Certificate - Code 120500 - Catalog 2019/2020

Nursing Office, 386-506-3250
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Program Mission, Description, and Outcomes

Mission:

The mission of the School of Nursing is to provide an innovative learning environment that promotes excellence in the field. Programs prepare students to exhibit professionalism, ethical behaviors and competency in meeting the dynamic health-care needs of individuals across the lifespan, amongst diverse cultures and across health-care continuums.

Description:

The nursing assistant long-term care program prepares individuals to become entry level health care professionals providing basic nursing care to clients in nursing home and long-term care 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; gerontology; nutrition; pet-facilitated therapy; health and safety; 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 464.203.

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 settings, 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.
3. Assist the nurse in planning and implementing care to meet the client's nutrition, hydration, mobility and elimination needs.
4. Describe the needs of the client and/ or family with acute, chronic, terminal, emotional and or psychological disorders.
5. Demonstrate professional behaviors within the role and scope of the nursing assistant, under the supervision of the nurse.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

Financing Options: 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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*: $329
Access Fee: $4.48 ($1.12 per credit hour)
Assessment Fee: $34
Lab Fees (including liability insurance): $23.50
Textbook and Workbook: $97
Uniform: $95
Laboratory Supplies: $35
Background Check/ Drug Screening/ Document Tracker: $120
Nursing Assistant Exam and Background Check: $235

*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 (Level II) 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.

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. For additional career information, please
see: https://www.onetonline.org/link/summary/31-1014.00.

Program Length: The typical length of this program is one (1) semester (15 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 78%.

CIP Code (6 digit) - 51.3902 Nursing Assistant

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

Program specific courses must be completed with a grade 'C' or better.

PRN0090	Nursing Assistant	120

Sample Program of Study

PRN0090	Nursing Assistant	120
TOTAL	VOC. HRS.	4.00
TOTAL	CONTACT HRS.	120.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Phlebotomy (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 121000 - Catalog 2019/2020

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Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@DaytonaState.edu

Program Mission, Description, and Outcomes

Mission:

The mission is to train effective phlebotomists in a variety of procedures allowing graduates to gain employment as entry-level phlebotomists.

Description:

A phlebotomist is an individual who is trained to collect blood specimens to be used in diagnostic laboratory tests from patients. They must have knowledge of the anatomy and physiology of the cardiovascular system as it pertains to phlebotomy as well as a basic understanding of infection control and safety practices. Graduates will also be able to interact and communicate with patients effectively as they are usually on the front line of patient care. Phlebotomists are employed in a variety of health care settings including hospitals, nursing homes, critical care facilities, dedicated blood collection facilities and dialysis centers.

Outcomes:

Graduates of the program will be able to:
1. Collect blood specimens by safely performing venipuncture and capillary blood collection.
2. Identify anatomy and physiology of the cardiovascular system as it pertains to blood collection.
3. Identify phlebotomy equipment and perform proper specimen handling.
4. Practice infection control.
5. Demonstrate effective communication skills.
6. Demonstrate appropriate record keeping and data collection.

Financial Aid

The length of this program makes it ineligible for federal and state financial aid.

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://daytonastate.edu/scholarships.

Approximate Additional Costs

Program Tuition and Fees*:	$452
Access Fee:	$7 ($1.12 per credit hour)
Assessment Fee:	$34
Lab Fees (including liability insurance):	$50
Uniform/Scrubs:	$50
Background Check/Drug Screening:	$99
Textbook Estimate:	$100

*In-state tuition only; out-of-state tuition will be higher.

Additional Admission Requirements

- This is a limited access program.
- Students must have a standard high school diploma (or GED) and be at least 18 years of age to enroll.
- 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.

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. For additional career information, please see: https://www.onetonline.org/link/summary/31-9097.00.

Program Length: The typical length of this program is one (1) semester (15 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 72%.

CIP Code (6 digit) - 51.1009

Job Title for this certificate is Phlebotomist.

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
Program specific courses must be completed with a grade 'C' or better.

HCP0750C	Phlebotomy Technician - Theory and Clinical	75
HCP0940	Internship Phlebotomy	90

Sample Program of Study

HCP0750C	Phlebotomy Technician - Theory and Clinical	75
HCP0940	Internship Phlebotomy	90
TOTAL	Vocational Hours	5.50
TOTAL	Contact Hours	165.00

Practical Nursing (Limited Access Program), Vocational Certificate

Sample Program of Study

Prerequisite Course

HSC1000	Introduction to Health Care	3
BSC0070	Basic Anatomy and Physiology for Health Careers	45

August Class - Fall

PRN0004C	Introduction to Nursing and Lab	457.5

Spring

PRN0207C	Medical-Surgical Nursing I and Lab	455

Summer Term A - 6 weeks

PRN0042C	Neuromuscular Sensory Nursing and Lab	174

Summer Term B - 6 weeks

PRN0120C	Maternal/Child Health Nursing and Lab	174
TOTAL	SEM. HRS	3.00
TOTAL	VOC. HRS.	43.53
TOTAL	CONTACT HRS.	1350.00

Transit Technician I (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 120600 - Catalog 2019/2020
Frank Snyder, Director, 386-506-4171, Frank.Snyder@daytonastate.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@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.

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 fasteners, 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

• 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

DIM0810	Transit Equipment Preventive Maintenance	200
DIM0811	Transit Basic Electrical Systems	120
DIM0812	Transit Wheelchair Life/Ramp	60
DIM0813	Transit Diesel Engine Preventive Maintenance	120
DIM0814	Transit Steering and Suspension	120

Sample Program of Study

1st Semester

DIM0810	Transit Equipment Preventive Maintenance	200
DIM0811	Transit Basic Electrical Systems	120

2nd Semester

DIM0812	Transit Wheelchair Life/Ramp	60
DIM0813	Transit Diesel Engine Preventive Maintenance	120
DIM0814	Transit Steering and Suspension	120
TOTAL	VOC. HRS.	20.67
TOTAL	CONTACT HRS.	620.00

Transit Technician II (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 120700 - Catalog 2019/2020
Frank Snyder, Director, 386-506-4171,
Frank.Snyder@daytonastate.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165,
Bridgette.Cherry@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.

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

DIM0820	Transit Hydraulics	60
DIM0821	Transit Diesel Electrical and Diesel Engine Electronics	120
DIM0822	Transit Drivetrain	120
DIM0823	Transit Intermediate Electrical Systems	120
DIM0824	Transit Brakes/Air Systems	120

Sample Program of Study

1st Semester

DIM0820	Transit Hydraulics	60
DIM0821	Transit Diesel Electrical and Diesel Engine Electronics	120
DIM0822	Transit Drivetrain	120

2nd Semester

DIM0823	Transit Intermediate Electrical Systems	120
DIM0824	Transit Brakes/Air Systems	120
TOTAL	VOC. HRS.	20.67
TOTAL	CONTACT HRS.	620.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) for requisite requirements.

Transit Technician III (Limited Access Program), Vocational Certificate

Program Information

Vocational Certificate - Code 120800 - Catalog 2019/2020
Frank Snyder, Director, 386-506-4171,
Frank.Snyder@daytonastate.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165,
Bridgette.Cherry@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.

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 Transit 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

DIM0830	Transit Alternative Fuel Systems	120
DIM0831	Transit Advanced Electrical Systems	120
DIM0832	Transit Heating and Air Conditioning	200
DIM0833	Transmission Diagnosis, Rebuild and Repair	120
DIM0834	Diesel Engine Diagnosis, Repair and Rebuild	120

Sample Program of Study

1st Semester

DIM0830	Transit Alternative Fuel Systems	120
DIM0831	Transit Advanced Electrical Systems	120
DIM0833	Transmission Diagnosis, Rebuild and Repair	120

2nd. Semester

DIM0832	Transit Heating and Air Conditioning	200
DIM0834	Diesel Engine Diagnosis, Repair and Rebuild	120
TOTAL	VOC. HRS.	25.34
TOTAL	CONTACT HRS.	680.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) *for requisite requirements.*

Welding Technology - Applied, Vocational Certificate

Program Information

Vocational Certificate - Code 103300 - Catalog 2019/2020

Timothy Colburn, Assistant Chair, 386-506-3279, Timothy.Colburn@DaytonaState.edu
Frank Snyder, Director, 386-506-4171, Frank.Snyder@DaytonaState.edu
Bridgette Cherry, Administrative Specialist, 386-506-4165, Bridgette.Cherry@DaytonaState.edu

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 the ability to safely follow rules and regulations to welding certification standards.
2. Use appropriate tools, equipment, material and electrical products found in the industry.
3. Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, and troubleshooting.
4. Demonstrate the skills needed in the commercial and industrial markets.
5. Demonstrate the steps needed to initiate and complete a blueprint project.

Financial Aid

This program is eligible for federal financial aid and state Bright Futures Scholarship Program.

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.

Approximate Additional Costs

Program Tuition and Fees*:		$1,988
Access Fee:		$27 ($1.10 per credit)
Assessment Fee:	$34	
Lab Fees:		$1,910.20
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.

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

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:

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

Program Length: The typical length of this program is two (2) semesters (30 weeks). The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2016-17) for this field at 72%.

CIP Code (6 digit) - 48.0508 Welding Technology/Welder

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

PMT0106C	Introduction to Welding I and Lab	90
PMT0109C	Introduction to Welding II and Lab	90
PMT0121C	Welding III (Shield Metal Arc) and Lab	90
PMT0131C	Welding VII (Gas Tungsten Arc) and Lab	90
PMT0134C	Welding V (Gas Metal Arc) and Lab	90
PMT0154C	Welding IV (Plasma Cut Welding and Introduction to MIG) and Lab	90
PMT0161C	Welding VI (Introduction to Pipe Welding) and Lab	90
PMT0171C	Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) and Lab	90

Sample Program of Study

1st Semester

PMT0106C	Introduction to Welding I and Lab	90
PMT0109C	Introduction to Welding II and Lab	90
PMT0121C	Welding III (Shield Metal Arc) and Lab	90
PMT0154C	Welding IV (Plasma Cut Welding and Introduction to MIG) and Lab	90

2nd Semester

PMT0134C	Welding V (Gas Metal Arc) and Lab	90
PMT0161C	Welding VI (Introduction to Pipe Welding) and Lab	90
PMT0131C	Welding VII (Gas Tungsten Arc) and Lab	90
PMT0171C	Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) and Lab	90
TOTAL	VOC.HRS.	24.17
TOTAL	CONTACT HOURS	725.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 332) *for requisite requirements.*

Course Descriptions

Daytona State College course offerings and descriptions are grouped alphabetically under the applicable discipline title, not under the department or division of the college through which they are offered.

Prerequisite courses require a grade of "C" or higher unless otherwise specified.

Within the specific disciplines, courses are listed alphabetically by the course prefix and number. Not all courses are offered in all semesters, or at all campuses. For current offerings, please check Course Availability Search or contact the registration offices at all Daytona State campuses.

The course prefixes to discipline areas guide will help you locate your courses by prefix, course, or discipline area.

All courses follow the Florida Statewide Course Numbering System. (p. 93)

Note: FA, SP, SU denotes the semester the course is usually taught.

REFER TO THE COURSE DESCRIPTIONS FOR REQUISITE AND LAB FEE REQUIREMENTS. PLEASE NOTE THAT FOR CLASSES WITH CONCURRENT LABS, THE LABS ARE NOT GRADED SEPARATELY FROM THE LECTURE, THERE IS A SHARED GRADE.

ACG - Accounting

ACG 2021 - Principles of Financial Accounting (3)

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.)

Offered: Fall, Spring, Summer.

ACG 2071 - Principles of Managerial Accounting (3)

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 grade C or better in ACG2021 or permission of chairperson.)

Offered: Fall, Spring Summer.

ACG 3024 - Accounting for Non-Financial Majors (3)

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. (Corequisite: GEB3213. Prerequisite: MAC1105 or equivalent; or ACG2021. Junior level status or permission of the Chair is required.)

Offered: Fall, Spring, Summer.

ACR - Air Cond, Refrig and Heat

ACR 0001C - Physical Principles I and Lab (90)

Scientific principles and calculations as they relate to compression refrigeration. Tools and test equipment used to construct, charge, operate and troubleshoot a refrigeration system.

Offered: Fall, Spring.

ACR 0002C - Physical Principles II and Lab (90)

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.

Offered: Fall, Spring.

ACR 0061C - Psychrometrics and Lab (99.9)

A study of air, humidity, heat and movement as it relates to comfort air conditioning. Psychrometric processes will be charted, measured, and applied.

Offered: Summer.

ACR 0062C - Heat Load Calculations and Lab (90)

A study of heat and heat flow. Calculate heat gain and loss, duct and register sizing for comfort in refrigeration and air conditioning.

Offered: Summer.

ACR 0100C - Basic Electricity I and Lab (90)

The study of physical principles of electricity and practices in air conditioning and refrigeration systems. Laws of energy, energy equivalents, electrical components and circuits.

Offered: Fall, Spring.

ACR 0102C - Basic Electricity II and Lab (90)

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.

Offered: Fall, Spring.

ACR 0150C - A/C Motors and Controls and Lab (90)

Study of single phase motors and related components. Disassembly, assembly, application and testing with appropriate instrumentation.

Offered: Fall, Spring.

ACR 0205C - Refrigerants I and Lab (90)

A study of the internal chemistry and physics of a refrigeration system. Refrigerants, oil, contaminants, dehydration and burnouts in detail.

Offered: Summer.

ACR 0506C - Residential Air Conditioning and Refrigeration and Lab (90)

Study of application, installation, and servicing central residential equipment. Integrates electrical, psychrometric and mechanical operation.

Offered: Fall, Spring.

ACR 0600C - Fossil Fuel Heating and Lab (80.1)

Oil and gas fired heating systems. Combustion, mechanical and electrical components.

Offered: Fall, Spring.

ACR 0601C - Heat Pumps and Lab (90)

An advanced study of the refrigerant cycle and the electrical circuitry necessary to provide year-round air conditioning. Includes electric furnaces.

Offered: Fall, Spring.

ACR 0700 - Central Residential Air Conditioning (0.66)

Central Residential Air Conditioning

ACR 0741C - Commercial Refrigeration I and Lab (90)

Comprehensive study of standard and special mechanical components. Component characteristics, operation and application. Design, construction and analysis of commercial systems.

Offered: Fall, Spring.

ACR 0742C - Commercial Refrigeration II and Lab (90)

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.

Offered: Fall, Spring.

ACR 0815C - Advanced Service Practice and Lab (90)

Conglomerate of previous courses, diagnostic procedures of job entry competencies in commercial refrigeration and central residential air conditioning.

Offered: Fall, Spring.

ACR 0850C - Air Conditioning Wiring and Lab (90)

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.

Offered: Fall, Spring.

AER - Automotive Service

AER 0014C - Automotive Service Assistor and Lab (300)

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.

Offered: Fall, Spring.

AER 0102C - Engine Theory and Lab (90)

The principles of four-stroke engine designs are the foundation for this study. Two-stroke engine design is also covered. Motor application. Valve train to piston to combustion theory. Application of internal moving parts and relationships to each other are emphasized.

Offered: Fall, Spring.

AER 0110C - Engine Mechanical Service and Repair and Lab (150)

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.

Offered: Fall, Spring.

AER 0152C - Engine Assembly and Testing and Lab (90)

The engine assembly class will allow the students to completely assemble the engine and start it up and test. Student will fit all parts, measure and check clearances, test the oiling system and lubrication.

Offered: Fall, Spring.

AER 0172C - Automotive Heating and Air Conditioning Systems and Lab (150)

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.

Offered: Fall, Spring.

AER 0257C - Automotive Transmission and Transaxles and Lab (150)

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.

Offered: Fall, Spring.

AER 0274C - Manual Drivetrain and Axle and Lab (150)

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.

Offered: Fall, Spring.

AER 0360C - Electricity/Electronics Fundamentals and Lab (300)

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.

Offered: Fall, Spring.

AER 0418C - Automotive Brake Systems and Lab (150)

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.

Offered: Fall, Spring.

AER 0453C - Automotive Steering and Suspension and Lab (150)

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.

Offered: Fall, Spring.

AER 0461C - Chassis and Brake System (90)

This course covers the drivetrain and suspension .Having a high performance motor is one thing, if the chassis is not set up proper, the vehicle will not produce to optimum performance. This course is very important for the final outcome of high performance.

Offered: Fall, Spring.

AER 0503C - Automotive Engine Performance and Lab (300)

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.

Offered: Fall, Spring.

AER 0608C - Electronics and Lab (90)

Prepares the student to test, diagnose, and repair starting, charging and associated electrical systems. Electrical measurement and circuit tracing are stressed, along with an introduction to the operation of basic components associated with electrical and electronic systems. Components include lecture/discussion, written assignments, and hands-on experience.

Offered: Fall, Spring.

AER 0811C - Electronic System Management and Lab (90)

This course familiarizes the student with the theory of operation of automotive computer systems. Prepares the student to perform lab oscilloscope analysis of electronic control unit circuitry. Familiarizes the student with the theory of supercharging, and the diagnosis and repair of turbochargers. Components include lecture/discussion, written assignments, and hands-on experience.

Offered: Fall, Spring.

AER 0831C - Ignition Theory and Lab (30)

Familiarizes the student with the theory of operation of Engine performance systems. Prepares the student to perform diagnostics, service, and repair of the vehicle powertrain management system. Components include lecture/discussion, written assignments, and hands-on experience.

Offered: Fall, Spring.

AER 0844C - Fuel Systems and Lab (90)

Most vehicles today are using an electronic fuel system management. Racing engine today are using an electronic fuel management along with normally aspirated carburetors. Turbo charging, supercharging and nitrous oxide systems are all reviewed in this course.

Offered: Fall, Spring.

AFR - Military Science

AFR 1101 - The Air Force Today I (General Military Course) - AF101 (1)

A survey course that focuses on the organizational structure and missions of Air Force organizations, officership and professionalism, and includes an introduction to communicative skills. A weekly leadership laboratory is mandatory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Fall.

AFR 1111 - The Air Force Today II (General Military Course) - AF102 (1)

Continuation of AFR 1101. A weekly leadership laboratory is mandatory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Spring.

AFR 2130 - The Development of Air Power I (General Military Course) - AF201 (1)

Focuses on factors contributing to the development of air power from its earliest beginnings through two world wars, the evolution of air power concepts and doctrine and an assessment of communicative skills. A weekly leadership laboratory is mandatory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Fall.

AFR 2131 - The Development of Air Power II (General Military Course) - AF202 (1)

Continuation of AFR 2130. A weekly leadership laboratory is mandatory. (Prerequisite: Appropriate

placement scores or successful completion of college prep courses.)

Offered: Spring.

AFR 3220 - Air Force Leadership Studies I (Professional Officer Course) - AF301 (3)

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.)

Offered: Fall.

AFR 3221 - Air Force Leadership Studies II (Professional Officer Course) - AF302 (3)

Continuation of AFR 3220 - AF301. A weekly leadership laboratory is mandatory. (Prerequisite: Completion of the General Military Course.)

Offered: Spring.

AFR 4231 - Preparation for Active Duty I (Professional Officer Course) - AF401 (3)

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.

Offered: Fall.

AFR 4232 - Preparation for Active Duty II (Professional Officer Course) - AF402 (3)

Continuation of AFR 4231 - AF401. A weekly leadership laboratory is mandatory.

Offered: Spring.

AMH - History

AMH 2010 - United States History to 1877 (3)

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 College-Level Communication and Computational Skills (State Rule 6A-10.030) writing requirement.

This course also helps develop the general education skills of (1) Critical/Creative Thinking; (2) Communication; (3) Cultural Literacy; and (4) Information and Technical Literacy.

Offered: Fall, Spring, Summer.

AMH 2020 - United States History 1865 to Present (3)
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 College-Level Communication and Computational Skills (State Rule 6A-10.030) writing requirement. This course contributes to satisfying the civic literacy competency requirement (Florida Statute 1007.25(4)).

This course also helps develop the general education skills of 1) Critical/Creative Thinking; (2) Communication; (3) Cultural Literacy.

Offered: Fall, Spring, Summer.

AMH 2042 - American Social History 1860 to Present (3)

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.

Offered: Fall, Spring.

AMH 2045 - American Maritime History (3)

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.

Offered: Fall, Spring.

AMH 2047 - Survey of US Military History (3)

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.

Offered: Fall, Spring, Summer.

AMH 2057 - The American Civil War (3)

This course covers the American Civil War with emphasis on the complex causes and lasting effects of this conflict of the battles, home fronts, ordinary soldiers, African Americans, and military and political leaders of this era. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement.

Offered: Fall, Spring.

AMH 2058 - World War II (3)

An introductory course on the Second World War tracing the causes and effects of this conflict on United States and World History. The course will review the people and events that caused the war from the end of the First World War, in 1918, to the signing of the surrender of Japan in 1945. 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.

Offered: Fall, Spring.

AMH 2059 - The Vietnam War (3)

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.

Offered: Fall, Spring, Summer.

AMH 2091 - Survey of African American History (3)

A historical survey of African American experiences beginning with an overview of ancient African peoples, with emphasis on the experiences of Africans and their descendants in America. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring.

AML - English Language and Lit

AML 2050 - Modern American Literature (3)

A survey of American writers covering roughly 1900-1950, emphasizing the modernist movement. Representative authors may include Faulkner, Hemingway,

Fitzgerald, O'Neill, Cummings, Frost, Eliot, Pound. This course contributes to satisying the Gordon Rule (State Rule 6A-10.030) writing requirement.

Offered: Fall, Spring.

AML 2060 - Contemporary American Literature (3)

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.

Offered: Fall, Spring.

AML 2600 - Introduction to African American Literature (3)

A survey of the African American literary 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.

Offered: Fall, Spring.

ANT - Anthropology

ANT 2000 - Introduction to Anthropology (3)

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.

Offered: Fall, Spring, Summer.

APA - Accounting

APA 1111 - Office Accounting I (3)

This course provides instruction and practice of office acounting concepts for small businesses. Selected topics inclued recording of buinsess transactions; worksheets and financial statements; adjusting and closing entries; cash control systems; purchases and cash payment; sales and cash reciepts; and payroll activities. Activities are recorded manually and in an accounting software program (Prerequisite or Corequisite: QMB1001 or permission of Chairperson.)

Offered: Fall, Spring.

APA 1121 - Office Accounting II (3)

Understanding small business accounting practices in Quickbooks Pro, a computerized accounting software. Topics include setting up business, creating a chart of accounts, processing invoices and payments, recording and processing bills, inventory flow, and financial statement reporting. (Prerequisite: APA 1111 or permission of Chairperson.)

Offered: Fall, Spring.

APA 1711 - Computerized Spreadsheet (3)

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 simple macros, pivot charts and other worksheet design techniques.

Offered: Fall, Spring.

ARH - Art

ARH 1000 - Art Appreciation (3)

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.

Offered: Fall, Spring, Summer.

ARH 2050 - Survey of Art History I (3)

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.

Offered: Fall, Spring, Summer.

ARH 2051 - Survey of Art History II (3)

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 (State Rule 6A-10.030) writing requirement. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring.

ARH 2905 - Directed Study in Art History (1)

Directed Study in Art History

Offered: Fall, Spring, Summer.

ARR - Automotive Collision

ARR 0021 - Automotive Collision Estimating (75)

Students will be introduced to the role of Estimator in the Automotive Collision Repair industry. Students will learn how to write a complete and accurate damage analysis report for front, side, and rear impact damage on driveable vehicles using computerized estimating software.

Offered: Fall, Spring, Summer.

ARR 0121C - Introduction to Refinishing and Lab (120)

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.

Offered: Fall.

ARR 0122C - Refinishing and Lab (120)

Students are Introduced to finish identification, masking, and surface preparation. Develop proper spray gun techniques and application of corrosion protective materials.

Offered: Spring.

ARR 0123C - Advanced Refinishing and Lab (120)

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.

Offered: Fall.

ARR 0241C - Introduction to Collision Repair and Lab (120)

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.

Offered: Fall.

ARR 0242C - Collision Repair and Lab (120)

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.

Offered: Spring.

ARR 0243C - Advanced Collision Repair and Lab (120)

The students will develop skills in vehicle mechanical system analysis, effects of side and rear impacts, restraint systems and cosmetic straightening of steel.

Offered: Fall.

ARR 0244C - Basic Collision and Refinishing Overview (Work On Your Own Car) and Lab (120)

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.

Offered: Fall, Spring.

ARR 0381C - Introduction to Unibody and Frame and Lab (120)

Introductory instruction in the diagnosis and measurement of damaged unibody and frame-type vehicles. Training in frame straightening techniques and related tasks.

Offered: Fall.

ARR 0382C - Unibody and Frame II and Lab (120)

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.

Offered: Spring.

ARR 0905 - Directed Study in Automotive Body Repair and Refinishing (30)

Directed Study in Automotive Repair and Refinishing.

Offered: Fall, Spring, Summer.

ARR 0949 - Cooperative Education Experience in Automotive Body Repair and Refinishing (120)

Cooperative Education Experience in Automotive Body Repair and Refinishing

Offered: Fall, Spring, Summer.

ART - Art

ART 1201C - Design I and Lab (3)

Studio assignments concerned with basic art fundamentals: line, color, shape, value and texture in organization of two-dimensional surface. Four studio hours.

Offered: Fall, Spring.

ART 1203C - Design II and Lab (3)

Studio problems relating basic art fundamentals of three-dimensional forms. Four studio hours per week.

Offered: Fall, Spring.

ART 1300C - Drawing I and Lab (3)

ART1300C is a traditional, beginning drawing class which teaches the fundamental skills needed for representational/objective drawing from life. This course is suitable for both the art major and non-art major. A lab fee is required.. Four studio hours per week. This course also helps develop the general education skills of (1) critical/creative thinking; (2) communication; (3) cultural literacy; and (4) information and technical literacy.

Offered: Fall, Spring.

ART 1301C - Drawing II and Lab (3)

The detailed study of the human figure in drawing through the use of live models. Emphasis on rendering, mood, expression, and skeletal and muscular structure. Four studio hours. May be repeated one time for credit. A lab fee is required. Prerequisite: ART1300C. This course also helps develop the general education skills of (1) critical/creative thinking; (2) communication;(3) cultural literacy; and (4) information and technical literacy.

Offered: Fall, Spring.

ART 1331C - Drawing III and Lab (3)

The study of the human figure in drawing through the use of live models. Four studio hours. May be repeated one time for credit.

Offered: Fall, Spring.

ART 1500C - Painting I and Lab (3)

An introduction to opaque painting. Emphasis on the fundamentals of technique, color and equipment. Introduce the use of fundamental building skills through the process of image making. This course is suitable for both the art and non-art major. A lab fee is required. Four studio hours per week. This course also helps develop the general education skills of (1) critical/creative thinking; (2) communication; (3) cultural literacy; and (4) information and technical literacy.

Offered: Fall, Spring.

ART 1501C - Painting II and Lab (3)

Continuation of ART1500C with emphasis on composition, elements of design and the development of work in a series. This course is suitable for both the art major and non-art major. May be repeated one time for credit. A lab fee is required. Four studio hours per week. Prerequisite: ART1500C. This course also helps develop the general education skills of (1) critical/creative thinking;

(2) communication; (3) cultural literacy; and (4) information and technical literacy.

Offered: Fall, Spring.

ART 1772C - Raku Pottery I and Lab (3)

Introduction to ceramic design using the low fire raku pottery process. Basic hand building, glazing and firing techniques will be taught.

Offered: Spring.

ART 2400C - Printmaking I and Lab (3)

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.

Offered: Fall, Spring.

ART 2540C - Watercolor I and Lab (3)

An introduction to transparent watercolor painting. Emphasis on use of color, technique and equipment. Four studio hours.

Offered: Fall, Spring.

ART 2551C - Airbrush Techniques and Lab (3)

The art, history and techniques of the airbrush. Four studio hours.

Offered: Fall, Spring.

ART 2701C - Sculpture I and Lab (3)

Introduction to three dimensional space and mass using wood, clay, plaster and other materials. Four studio hours.

Offered: Fall, Spring.

ART 2702C - Sculpture II and Lab (3)

Continuation and refinement of Sculpture I processes. May be repeated one time for credit. Four studio hours.

Offered: Spring.

ART 2752C - Pottery Wheelthrowing I and Lab (3)

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.

Offered: Fall, Spring.

ART 2753C - Wheel Throwing II and Lab (3)

This course is a continuation of ART 2752C (Pottery Wheelthrowing I and Lab). This course focuses on perfecting techniques on the pottery's wheel and on creativity with conceptually based ceramic forms.

Offered: Fall, Spring.

ART 2754C - Ceramics: Handbuilding I and Lab (3)

Introduction to ceramic design. Emphasizing basic hand building, glazing and firing techniques. Four studio hours.

Offered: Fall, Spring.

ART 2755C - Ceramics: Hand-Building II and Lab (3)

This course is a continuation of ART 1754C (Pottery Handbuilding I and Lab). Emphasis on creativity and conceptual problems solving through the use of ceramic hand-building techniques.

Offered: Fall, Summer.

ASL - Foreign Lang (Sign Lang)

ASL 1430 - Fingerspelling (2)

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.

Offered: Fall, Spring, Summer.

ASL 2140 - American Sign Language I (4)

American Sign Language I introduces the fundamentals of American Sign Language (ASL) used by the Deaf Community in America. Included are basic vocabulary, grammatical syntax, fingerspelling, basic receptive listening practice and communicative competence. This course introduces basic cultural knowledge and provides an increased understanding of the Deaf Communtiy. Completion of this course helps satisfy the Daytona State College foreign language requirement.

Offered: Fall, Spring, Summer.

ASL 2150 - American Sign Language II (4)

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.

Offered: Fall, Spring, Summer.

ASL 2160 - American Sign Language III (4)

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.

Offered: Fall.

ASL 2200 - American Sign Language IV (4)

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.

Offered: Spring.

ASL 2510 - Introduction to Deaf Culture (3)

The course will cover the impact of deafness on the individual and society, including historical perspectives, changing attitudes and the evolution of the Deaf community, its cultural norms and social expectations for members and outsiders. Pending assigned course number.

Offered: Spring.

ASL 2905 - Directed Study in American Sign Language (1)

Directed Study in American Sign Language (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Fall, Spring, Summer.

AST - Astronomy

AST 1002 - Astronomy (3)

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.

Offered: Fall, Spring, Summer.

AST 2905 - Directed Study in Astronomy (1)

Directed Study in Astronomy

Offered: Fall, Spring, Summer.

BCA - Build Construct Appren

BCA 0330 - Electrical AcademyUnion Apprentice I (99)

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.

Offered: Fall.

BCA 0330L - Electrical Academy Union Apprentice I Lab-OJT (679.8)

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.

Offered: Fall.

BCA 0331 - Electrical Academy Union Apprentice 2 (99)

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.

Offered: Spring.

BCA 0331L - Electrical Academy Union Apprentice 2 Lab-OJT (679.8)

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.

Offered: Spring.

BCA 0332 - Electrical Academy Union Apprentice 2 (99)

Electrical Academy Union Apprentice 2

BCA 0332L - Electrical Academy Union Apprentice 3 Lab-OJT (639.9)

Course designed for electrical union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job.

Offered: Summer.

BCA 0333 - Electrical Academy Union Apprentice 4 (99)

Course designed for electrical union apprenticeship students to develop competencies in resistors, inductors, capacitors, transformers, and vectors.

Offered: Fall.

BCA 0333L - Electrical Academy Union Apprentice 4 Lab-OJT (679.8)

Course designed for electrical union apprenticeship students to apply knowledge of resistors, inductors, capacitors, transformers, and vectors.

Offered: Fall.

BCA 0334 - Electrical Academy Union Apprentice 5 (99)

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.

Offered: Spring.

BCA 0334L - Electrical Academy Union Apprentice 5 Lab-OJT (679.8)

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.

Offered: Spring.

BCA 0335L - Electrical Academy Union Apprentice 6 Lab-OJT (639.9)

Course designed for electrical union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job.

Offered: Summer.

BCA 0336 - Electrical Academy Union Apprentice 7 (99)

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, How to use the proper test instruments,

Offered: Fall.

BCA 0336L - Electrical Academy Union Apprentice 7 Lab-OJT (679.8)

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.

Offered: Fall.

BCA 0337 - Electrical Academy Union Apprentice 8 (99)

Course designed for electrical union apprenticeship students to develop competencies in understanding Transformers, Fire Alarm Systems, Telephone and Security Basics, and Structured Cabling Basics.

Offered: Spring.

BCA 0337L - Electrical Academy Union Apprentice 8 Lab-OJT (679.8)

Course designed for electrical union apprenticeship students to develop competencies in understanding Transformers, Fire Alarm Systems, Telephone and Security Basics, and Structured Cabling Basics.

Offered: Spring.

BCA 0338 - Electrical Academy Union Apprentice 9 (99)

Course designed for 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.

Offered: Summer.

BCA 0338L - Electrical Academy Union Apprentice 9 Lab-OJT (639.9)

Course designed for electrical union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job

Offered: Summer.

BCA 0339 - Electrical Academy Union Apprentice 10 (99)

Course designed for electrical union apprenticeship students to develop competencies in advanced electricity, its uses and installation, methods including raceways, wiring, and electrical equipment.

Offered: Summer.

BCA 0339L - Electrical Academy Union Apprentice 10 Lab-OJT (679.8)

Course designed for electrical union apprenticeship students to apply knowledge of advanced electricity, its uses and installation, methods including raceways, wiring, and electrical equipment.

Offered: Summer.

BCA 0340 - Electrical Apprentice 9 (Union) (99)

Electrical Apprentice 9 (Union)

BCA 0340L - Electrical Apprentice 9 Lab-OJT (Non-Union) (639.9)

Course designed for electrical non-union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job.

Offered: Summer.

BCA 0341 - Electrical Apprentice 10 (Non-Union) (99)

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.

Offered: Fall.

BCA 0341L - Electrical Apprentice 10 Lab-OJT (Non-Union) (679.8)

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.

Offered: Fall.

BCA 0342 - Electrical Apprentice 11 (Non-Union) (99)

Course designed for electrical non-union apprenticeship students to develop competencies in blue print reading, motor calculations and transformer calculations.

Offered: Spring.

BCA 0342L - Electrical Apprentice 11 Lab-OJT (Union and Non-Union) (679.8)

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.

Offered: Spring.

BCA 0343L - Electrical Apprentice 12 Lab-OJT (Non-Union) (639.9)

Course designed for electrical non-union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job.

Offered: Spring.

BCA 0350 - Electrical Apprentice I (Non-Union) (99)

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.

Offered: Fall.

BCA 0350L - Electrical Apprentice I Lab-OJT (Non-Union) (679.8)

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.

Offered: Fall.

BCA 0351 - Electrical Apprentice 2 (Non-Union) (99)

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.

Offered: Spring.

BCA 0351L - Electrical Apprentice 2 Lab-OJT (Non-Union) (679.8)

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.

Offered: Spring.

BCA 0352L - Electrical Apprentice 3 Lab-OJT (Non-Union) (639.9)

Course designed for electrical non-union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job.

Offered: Summer.

BCA 0353 - Electrical Apprentice 4 (Non-Union) (99)

Course designed for electrical non-union apprenticeship students to develop competencies in resistors, inductors, capacitors, transformers, and vectors.

Offered: Fall.

BCA 0353L - Electrical Apprentice 4 Lab-OJT (Non-Union) (679.8)

Course designed for electrical non-union apprenticeship students to apply knowledge of resistors, inductors, capacitors, transformers, and vectors.

Offered: Fall.

BCA 0354 - Electrical Apprentice 5 (Non-Union) (99)

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.

Offered: Spring.

BCA 0354L - Electrical Apprentice 5 Lab-OJT (Non-Union) (679.8)

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.

Offered: Spring.

BCA 0355L - Electrical Apprentice 6 Lab-OJT (Non-Union) (639)

Course designed for electrical non-union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job.

Offered: Summer.

BCA 0356 - Electrical Apprentice 7 (Non-Union) (99)

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.

Offered: Fall.

BCA 0356L - Electrical Apprentice 7 Lab-OJT (Non-Union) (679.8)

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.

Offered: Fall.

BCA 0357 - Electrical Apprentice 8 (Non-Union) (99)

Course designed for electrical non-union apprenticeship students to develop competencies in understanding auxiliary power systems, generators, special occupancies, special equipment, and special conditions.

Offered: Spring.

BCA 0357L - Electrical Apprentice 8 Lab-OJT (Non-Union) (679.8)

Course designed for electrical non-union apprenticeship students to apply knowledge of auxiliary power systems,

generators, special occupancies, special equipment, and special conditions.

Offered: Spring.

BCA 0390 - Electrical Academy Union Apprentice 11 (99)

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.

Offered: Spring.

BCA 0390L - Electrical Academy Union Apprentice 11 Lab-OJT (679.8)

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.

Offered: Spring.

BCA 0391 - Electrical Academy Union Apprentice 12 (99)

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.

Offered: Summer.

BCA 0391L - Electrical Academy Union Apprentice 12 Lab-OJT (639.9)

Course designed for electrical union apprenticeship students to apply knowledge gained in class related instruction and knowledge gained on-the-job.

Offered: Spring.

BCA 0431 - Plumbing Apprentice 11 (123)

This course will provide students with knowledge in pipe fabrication, gas installation, oxy-fuel cutting/ shielding metal arc welding, and HVAC refrigeration.

Offered: Fall.

BCA 0431L - Plumbing Apprentice 11 Lab (680)

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.

Offered: Fall.

BCA 0432 - Plumbing Apprentice 12 (123)

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.

Offered: Spring.

BCA 0432L - Plumbing Apprentice 12 Lab (680)

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.

Offered: Spring.

BCA 0433L - Plumbing Apprentice 13 Lab (639.9)

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.

Offered: Summer.

BCA 0434 - Plumbing Apprentice 14 (123)

This course will provide students with knowledge in chilled water systems, building automation and pneumatic controls, backflow prevention, cross connection, and control.

Offered: Fall.

BCA 0434L - Plumbing Apprentice 14 Lab (679.8)

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.

Offered: Fall.

BCA 0435 - Plumbing Apprentice 15 (123)

This course will provide students with knowledge of plumbing code applications, foreman training, gas tungsten arc welding, instrumentation, and process control.

Offered: Spring.

BCA 0435L - Plumbing Apprentice 15 Lab (679.8)

This course will provide students with knowledge of plumbing code applications, foreman training, gas tungsten arc welding, instrumentation, and process control.

Offered: Spring.

BCA 0450L - Plumbing Apprentice 1 Lab (639.9)

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.

Offered: Summer.

BCA 0451 - Plumbing Apprentice 2 (123)

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.

Offered: Fall.

BCA 0451L - Plumbing Apprentice 2 Lab (679.8)

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.

Offered: Fall.

BCA 0452 - Plumbing Apprentice 3 (123)

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.

Offered: Spring.

BCA 0452L - Plumbing Apprentice 3 Lab (679.8)

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.

Offered: Spring.

BCA 0453L - Plumbing Apprentice 4 Lab (639.9)

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.

Offered: Summer.

BCA 0454 - Plumbing Apprentice 5 (123)

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.

Offered: Fall.

BCA 0454L - Plumbing Apprentice 5 Lab (680)

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.

Offered: Fall.

BCA 0455 - Plumbing Apprentice 6 (123)

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.

Offered: Spring.

BCA 0455L - Plumbing Apprentice 6 Lab (679.8)

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.

Offered: Spring.

BCA 0456L - Plumbing Apprentice 7 Lab (639.9)

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.

Offered: Summer.

BCA 0457 - Plumbing Apprentice 8 (123)

This course will provide students with knowledge of customer service, and the plumbing code and its application to pumps, air conditioning, and ventilation.

Offered: Fall.

BCA 0457L - Plumbing Apprentice 8 Lab (679.8)

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.

Offered: Fall.

BCA 0458 - Plumbing Apprentice 9 (123)

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.

Offered: Spring.

BCA 0458L - Plumbing Apprentice 9 Lab (679.8)

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.

Offered: Spring.

BCA 0459L - Plumbing Apprentice 10 Lab (640)

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.

Offered: Summer.

BCH - Biochemistry

BCH 3023C - Biochemistry I and Lab (4)

Survey of the fundamental components of biochemistry. 3 hours lecture and 3 hours lab.

Offered: Fall.

BCN - Building Construction

BCN 1210 - Materials and Processes (3)

Applications and characteristics, both physical and chemical, of materials commonly used in construction and mechanical processes by which materials may be shaped or formed.

Offered: Spring.

BCN 1251C - Architectural Drawing I and Lab (3)

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.

Offered: Fall, Spring.

BCN 1253C - Architectural Drawing II and Lab (3)

Intermediate principles of architectural drawing, space utilization,and visual design while learning to understand and produce construction documents using the latest industry software.

Offered: Spring.

BCN 2049 - Sustainable Design & Construction (3)

The basic theories and practices of ecology relating to construction interior design products will be introduced. Students will gain an understanding of the impact their selections would have 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.

Offered: Fall.

BCN 2257C - Architectural Detailing and Lab (3)

Architectural detailing of steel, wood and concrete systems used in light construction.

Offered: Spring.

BCN 2560 - Mechanical and Electrical Equipment (3)

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.

Offered: Spring.

BCN 2905 - Directed Study in Construction (1)

Directed Study in Construction

Offered: Fall, Spring, Summer.

BCT - Building Construction

BCT 1040 - Blueprint Reading (3)

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.

Offered: Fall, Spring.

BCT 2949 - Cooperative Education Experience in Construction (1)

(Prerequisite: 12 semester hours of approved Building and Architecture Technology courses and permission of the Building and Architecture Technology chairperson.) 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

Offered: Fall, Spring, Summer.

BCT 2990 - Technical Training (23)

Students must have completed an appropriate apprenticeship or certificate program of 700 contact hours or equivalent with a GPA of 2.0 or better. The certificate or registered apprenticeship program will be evaluated based on requirements of the Conversion of Credit process, including proof of successful achievement of program outcomes. If accepted, credit will be awarded.

Offered: Fall, Spring, Summer.

BCV - Build Construct Voc

BCV 0080L - Building Construction Assistant I Lab (375)

The purpose of this course is to prepare students with the basic skills needed to work in the construction industry. Students will gain a basic understanding of safety and appropriate usage of hand and power tools used in the construction industry.

Offered: Spring.

BCV 0081L - Carpentry and Masonry Technician Lab (150)

The purpose of this course is to provide students with knowledge of the construction industry including but not limited to applicable laws, building codes, contracts and specifications. Students will continue to develop skills in carpentry and masonry.

Offered: Spring.

BCV 0082L - Electrical and Plumbing Technician Lab (150)

The purpose of this course is to provide training in rough and finish electrical skills, rough and finish plumbing skills and rough and finish air conditioning skills.

Offered: Spring.

BCV 0084L - Building Construction Assistant II Lab (75)

The purpose of this course is to prepare students with the basic skills needed to work in the construction industry. Students will demonstrate and practice safety standards and the appropriate usage of hand and power tools used in the construction industry.

Offered: Spring.

BCV 0942C - Building Construction Capstone (150)

Students will demonstrate mastery of theory and skills acquired on a comprehensive team project. In addition, students will gain knowledge of the various careers in the construction and relate industries and develop employability skills such as resume writing and interview skills. The course also explores entrepreneurship opportunities with an emphasis on business skills and available resources.

Offered: Fall, Spring, Summer.

BOT - Botany

BOT 1010C - General Botany and Lab (4)

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.

Offered: Fall.

BOT 2150 - Native Plants of Central Florida (3)

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

Offered: Spring.

BOT 3151 - Flora of Central Florida (3)

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.

Offered: Spring.

BSC - Biological Science

BSC 0070 - Basic Anatomy and Physiology for Health Careers (45)

This course guides the student in the exploration of the structure and function of the various systems of the human body as applied to certificate health programs. During the course students will explore the Internet, utilize course discussions and course mail and engage in activities, which will enable students to build a sound knowledge base that will prepare them for further studies in a variety of health care professions. Topics we will examine during the course include all of the systems of the body. This course cannot be applied to the A.A. Degree.

Offered: Fall, Spring, Summer.

BSC 1005 - Survey of Biological Sciences (For Non-Science Majors) (3)

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.

Offered: Fall, Spring, Summer.

BSC 1005L - Survey of Biological Science (For Non-Science Majors) Lab (1)

The laboratory consists of observation, demonstration and experiments which correlate with the lecture.

Offered: Fall, Spring.

BSC 1010C - General Biology I (For Science Majors) and Lab (4)

Basic principles, which apply to the nature of plant and animal cells, including metabolism, cellular reproduction, protein synthesis and genetics. Designed for Science majors.

This course also helps develop the general education skills of (1) critical/creative thinking; (2) communication; (3) cultural literacy; and (4) information and technical literacy.

Offered: Fall, Spring, Summer.

BSC 1011C - General Biology II (For Science Majors) and Lab (4)

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.

Offered: Fall, Spring, Summer.

BSC 1020 - Human Biology (3)

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.

Offered: Fall, Spring, Summer.

BSC 1085C - Human Anatomy and Physiology I and Lab (4)

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.

Offered: Fall, Spring, Summer.

BSC 1086C - Human Anatomy & Physiology II and Lab (4)

A continuation of BSC1085C. 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.

Offered: Fall, Spring, Summer.

BSC 2905 - Directed Study in Biological Sciences (1)

Directed Study in Biological Science (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

BUL - Business Law

BUL 2241 - Business Law I (3)

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.)

Offered: Fall, Spring, Summer.

BUL 2242 - Business Law II (3)

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.)

Offered: Fall, Spring.

BUL 3130 - Legal, Ethical, and Social Aspects of Business (3)

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.

Offered: Fall, Spring, Summer.

CAP - Computer Science

CAP 1801 - Simulation Fundamentals (3)

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.

Offered: Fall.

CAP 2023 - Introduction to Game Programming (3)

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.

Prerequisite: Prerequisite: COP1000. Offered: Fall.

CAP 2741 - Data Visualization (4)

This course teaches students how to analyze data, build scalable and robust data models to work from, and clean and combine different data sources. Microsoft's Excel and Power BI platforms are introduced to develop different visualizations.

Offered: Spring.

CAP 2804 - Advanced Simulation Systems (4)

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.

Offered: Spring.

CAP 2905 - Directed Study in Simulation and Robotics (1)

Directed Study in Simulation and Robotics.

Offered: Fall, Spring, Summer.

CAP 2949 - Cooperative Education Experience in Simulation and Robotics (1)

(Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) 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

Offered: Fall, Spring, Summer.

CCJ - Criminal Justice

CCJ 1010 - Introduction to Criminology (3)

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.)

Offered: Fall, Spring, Summer.

CCJ 1020 - Introduction to Criminal Justice (3)

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.)

Offered: Fall, Spring, Summer.

CCJ 1080 - Introduction to Criminal Forensic Studies (3)

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.

Offered: Fall, Spring.

CCJ 2647 - Organized Crime (3)

An examination of organized crime, including structures, histories and activities, and issues of surrounding efforts to define and control it.

Offered: Fall.

CCJ 2650 - Drugs, Alcohol and Crime (3)

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.

Offered: Fall, Spring.

CCJ 2930 - Selected Topics in Criminal Justice (3)

Selected Topics in Criminal Justice

CDA - Computer Science

CDA 4101 - Computer Organization and Design (3)

This course is the study of computer systems design and architecture. Topics include: machine, machine languages, digital logic, processor design, computer arithmetic, and memory system design.

Offered: Fall, Spring.

CEN - Computer Science

CEN 2002 - Software Design and Development I (3)

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.

Offered: Spring.

CEN 3722 - Human Computer Interfaces (3)

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.

Offered: Fall, Summer.

CEN 4010 - Software Engineering (3)

This course covers the study and application of engineering to the design, development, and maintenance of software. This course requires programming.

Offered: Spring.

CEN 4801 - Systems Integration (3)

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.

Offered: Fall.

CET - Computer Electronic Tech

CET 1112C - Digital Fundamentals and Lab (4)

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.

Offered: Fall, Spring, Summer.

CET 1600 - Network Plus (3)

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.

Offered: Fall, Spring, Summer.

CET 2123C - Microcomputer and Basic Digital Communications and Lab (4)

This 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.

Offered: Fall.

CET 2154 - A+ Computer Repair (4)

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.

Offered: Fall, Spring, Summer.

CET 2615 - Advanced Cisco Router Configuration (3)

Advanced 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.

Offered: Fall.

CET 2620 - Cisco Wide Area Network (WAN) (3)

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.

Offered: Spring.

CET 2625 - Building Scalable Cisco Internetworks (3)

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).

Offered: Spring.

CET 2626 - Building Cisco Remote Access Networks (3)

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.

Offered: Spring.

CET 2660 - Fundamentals of Network Security (3)

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.

Offered: Fall, Spring.

CET 2850 - Wireless and Mobile Security (3)

Site survey, installation, configuration, and troubleshooting of Wireless Local Area Networks. Basic RF and antenna theory.

Offered: Spring.

CET 2949 - Cooperative Education Experience in Computer Engineering Technology (1)

(Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) 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

Offered: Fall, Spring, Summer.

CET 3116 - Digital Technology (4)

Class provide Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic.

Offered: Fall, Spring, Summer.

CET 3198 - Digital Systems (2)

Finite State Machines and Algorithmic State Machines,includes design, synthesis and implementation of a digital system using schematic capture and VHDL.

Offered: Fall.

CET 3198L - Digital Systems Lab (1)

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.

Offered: Fall.

CET 3906 - Directed Study in Computer Engineering Technology (1)

Directed Study in Computer Engineering Technology

CET 4134C - Microprocessor Electronics II and Lab (3)

Detailed discussion of MC68000 Software architecture programming and hardware architecture.
Additionally,assembly language programming interfacing and hardware are discussed.

CET 4138C - Programmable Digital Devices and Lab (3)

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.

CET 4668 - Practice of Information Security (3)

Practice of Information Security including technical security issues, legal issues, physical and operational security, and security,architecture and models.

Offered: Fall, Spring.

CET 4860 - Introduction to Digital Forensics (3)

Topics will include; forenisc process; forensic duplication; authentication; file recovery; file systems; FAT file system; digital artifacts, and various digital forensic tools.

Offered: Fall, Spring, Summer.

CET 4861 - Advanced Digital Forensics (3)

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.

Offered: Fall, Spring.

CET 4862 - Network Forensics and Incident Response (3)

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.

Offered: Fall, Spring.

CET 4884 - Security Methods and Practice (3)

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.

Offered: Spring, Summer.

CET 4885 - Digital Forensics for Information Security (3)

This course will provide students with the fundamental principles of digital forensics with an emphasis on the skills needed by information security professionals.

CGS - Computer Science

CGS 1002 - Introduction to Microcomputer Operations (1)

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.

Offered: Spring.

CGS 1060C - Basic Computer Concepts and Lab (3)

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.

Offered: Fall, Spring, Summer.

CGS 1570 - Introduction to Computer Applications (1)

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.

Offered: Fall, Spring.

CGS 2100 - Microcomputer Applications (3)

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.

Offered: Fall, Spring, Summer.

CGS 2512 - Advanced Computer Spreadsheets and Graphics Presentations (3)

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.

Offered: Spring.

CGS 2820 - Web Programming (JavaScript, Ajax, ASP.Net) (3)

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.

Offered: Fall, Spring.

CGS 2821 - Advanced Web Programming (XML, ASP.Net, SQL Server) (3)

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.

Offered: Spring.

CGS 2840 - Cryptology (3)

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.

Offered: Fall.

CGS 2905 - Directed Study in Computer Software Applications (1)

Directed Study in Computer Software Applications

Offered: Fall, Spring, Summer.

CHD - Early Childhood Education

CHD 1104 - Introduction to Early Childhood Education I (3)

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.

CHD 1220 - Child Growth and Development (3)

A study of the interplay of biological factors, human interaction, social structure and cultural forces involved in shaping the growing child.

Offered: Fall, Spring.

CHD 1430 - Observation, Recording and Assessment (3)

This course covers techniques for observing, recording and assessing the behavior of young children.

Offered: Summer.

CHD 1820 - Introduction to Early Childhood Education II (3)

An overview of facilities, equipment, program planning and family involvement, using educational objectives and lesson plans in the preschool. Includes field experiences.

Offered: Spring.

CHD 2320 - Curriculum Planning for Early Childhood (3)

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.

Offered: Summer.

CHD 2333 - Creative Activities for the Young Child (3)

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.

CHD 2334 - Language Arts for the Young Child (3)

course covering skills and concepts required by teachers of young children to plan developmentally appropriate activities in language development, reading readiness and storytelling.

Offered: Spring.

CHD 2335 - Music and Motor Activities for the Young Child (3)

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.

Offered: Spring.

CHD 2338 - Math and Science for the Young Child (3)

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.

CHD 2440 - Child Development Practicum (6)

The course is designed to provide students with a supervised internship in a selected educational program for young children. (Prerequisite: Permission of chairperson.)

Offered: Spring.

CHD 2801 - Child Development Management (3)

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.

Offered: Fall, Spring, Summer.

CHD 2905 - Directed Study in Child Development (2)

Directed Study in Child Development

Offered: Fall, Spring, Summer.

CHD 2930 - Special Topics in Early Childhood (1)

This course provides an overview of the roles and requirements of various children care professionals.

Offered: Spring.

CHM - Chemistry

CHM 1020 - Chemistry in Society (3)

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.

Offered: Fall, Spring.

CHM 1025C - Introduction to Chemistry and Lab (4)

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 1045C. Three-hour lecture, one-hour recitation/ laboratory. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring, Summer.

CHM 1045C - General College Chemistry I and Lab (4)

Fundamental laws and theories of chemistry and related laboratory experiments. Designed for students majoring in science. Three-hour lecture, three-hour laboratory.

This course also helps develop the general education skills of (1) critical/creative thinking; (2) communication; (3) cultural literacy; and (4) information and technical literacy.

Offered: Fall, Spring, Summer.

CHM 1046C - General College Chemistry II and Lab (4)

Continuation of CHM1045C. Three-hour lecture, three-hour laboratory. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring, Summer.

CHM 2210C - Organic Chemistry and Lab (4)

The first semester of the CHM 2210C - 2211C 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.

Offered: Fall.

CHM 2211C - Organic Chemistry II and Lab (4)

Continuation of CHM 2210C. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Spring.

CHM 2905 - Directed Study in Chemistry (1)

Directed Study in Chemistry (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

CHM 3085 - Environmental Chemistry (3)

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.

Offered: Fall.

CHM 3120C - Quantitative Analysis and Lab (4)

The principles and laboratory techniques of quantitative analytical methods, with emphasis on problem solving and choice of analytical methods.

Offered: Spring.

CIS - Computer Science

CIS 2350 - Principles of Information Assurance (3)

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.

Offered: Fall, Spring.

CIS 2381 - Foundations of Digital Forensics (3)

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.

Offered: Spring.

CIS 2905 - Directed Study in Computer and Information Systems (4)

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.)

Offered: Fall, Spring, Summer.

CIS 2935 - Computer Science Seminar (1)

Discussion of computer programming work experience and special topics in computer science. (Prerequisite: Permission of chairperson.)

Offered: Fall, Spring, Summer.

CIS 2949 - Cooperative Education Experience in Computer and Information Systems (1)

(Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) 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

Offered: Fall, Spring, Summer.

CIS 4250 - Ethical Issues in IT (1)

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.

Offered: Fall, Summer.

CIS 4360 - Applied Cybersecurity (3)

Fundamentals of computer security technology, including cryptography, authentication, digital signatures, firewalls, intrusion detection, and network security tools and applications.

Offered: Fall, Spring, Summer.

CIS 4510 - IT Project Management (3)

This course introduces concepts, methodologies, techniques and tools of managing software development. In addition; hardware, computer networks and communication systems configuration will be provided.

Offered: Fall.

CJC - Criminal Justice

CJC 1000 - Introduction to Corrections (3)

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.)

Offered: Fall, Spring, Summer.

CJD - Criminal Justice

CJD 0259 - Le Sem-Auto Pi (1)

Le Sem-Auto Pi

CJD 2990 - Criminal Justice Bridge Transition (24)

CJE - Criminal Justice

CJE 1670 - Crime Scene Investigation (3)

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.

Offered: Spring.

CJE 2304 - Introduction to Police Supervision (3)

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.

Offered: Fall, Spring, Summer.

CJJ - Criminal Justice

CJJ 2002 - Juvenile Delinquency (3)

Study of the juvenile justice system emphasizing definitions, causes, prevention, control of juvenile delinquency and rehabilitation of the delinquent youth. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Fall, Spring, Summer.

CJK - Criminal Justice

CJK 0001 - Introduction to Law Enforcement (9.9)

Students will receive a basic understanding of the structure and components of the criminal justice system. Values and ethics are explored.

Offered: Fall, Spring, Summer.

CJK 0012 - Law Enforcement Legal (62.1)

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.

Offered: Fall, Spring, Summer.

CJK 0013 - Law Enforcement Interactions in a Diverse Community (39.9)

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.

Offered: Fall, Spring, Summer.

CJK 0014 - Law Enforcement Interviewing and Report Writing (56.1)

This course covers note taking, interviewing and report writing principles for law enforcement officers.

Offered: Fall, Spring, Summer.

CJK 0017 - Law Enforcement Communications (75.9)

The entire police report writing process is covered. Topics include interviewing and interrogation, IPC skills, radio and telephone procedures, as well as practice exercises.

Offered: Fall, Spring, Summer.

CJK 0020 - CMS Law Enforcement Vehicle Operations (48)

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.

Offered: Fall, Spring, Summer.

CJK 0031 - CMS First Aid for Criminal Justice Officers (39.9)

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.

Offered: Fall, Spring, Summer.

CJK 0040 - CMS Criminal Justice Firearms (80.1)

Handgun and shotgun use, safety procedures and ammunition use are covered in lecture. Introduction includes weapons qualifications.

Offered: Fall, Spring, Summer.

CJK 0051 - Criminal Justice Defensive Tactics (80.1)

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.

Offered: Fall, Spring, Summer.

CJK 0064 - Law Enforcement Fundamentals of Patrol (35.1)

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.

Offered: Fall, Spring, Summer.

CJK 0065 - Law Enforcement Calls for Service (36)

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.

Offered: Fall, Spring, Summer.

CJK 0077 - Criminal Investigations (50.1)

Students will learn to conduct an initial investigation of crimes against persons, society, property, and economic crimes.

CJK 0078 - Law Enforcement Crime Scene to Courtroom (35.1)

Students will learn appropriate procedures for processing a crime scene, handling a criminal investigation and preparing the case for court.

Offered: Fall, Spring, Summer.

CJK 0084 - Law Enforcement DUI Traffic Stops (24)

This course outlines the specific procedures for detection, apprehension and prosecution of DUI offenses. Students will learn to perform the Standardized Field Sobriety Test.

Offered: Fall, Spring, Summer.

CJK 0087 - Law Enforcement Traffic Stops (30)

Students will learn the basic procedures for conducting safe, effective, professional traffice stop.

Offered: Fall, Spring, Summer.

CJK 0088 - Law Enforcement Traffic Crash Investigations (31.8)

This course introduces the student to traffice crash investigations, laws pertaining to traffic crashes and procedures for responding to a traffic crash.

Offered: Fall, Spring, Summer.

CJK 0092 - Law Enforcement Critical Incidents (43.8)

This course provides an overview of law enforcement techniques and tactics employed in confronting large scale or critical incidents.

Offered: Fall, Spring, Summer.

CJK 0096 - Law Enforcement Officer Physical Fitness Training (60)

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.

Offered: Fall, Spring, Summer.

CJK 0100 - Corrections Interpersonal Skills I (2.07)

Basic components of human needs and behavior are explored, as are the needs of various groups within the inmate society, including substance abusers, juveniles, mentally ill and handicapped. Crisis intervention, stress management and human diversity are also explored in depth. FA, SP, SU

CJK 0101 - Corrections Interpersonal Skills II (1.67)

Human adjustment to imprisonment as well as basic characteristics of inmate societies are explored. Emphasis on officer interpersonal skills. FA, SP, SU

CJK 0102 - Correctional Operations (2.13)

The general operation of correctional facilities is studied, including inmate intake, daily care, institutional procedures and officer tasks. FA, SP, SU

CJK 0270 - Corrections Legal I (1.53)

An introductory review of the criminal justice system and a history of law. The foundation and basic components of law are studied. Emphasis on correctional officer application. FA, SP, SU

CJK 0285 - Corrections Legal II (0.73)

Constitutional law as it relates to the public, police and corrections are examined. Law topics of study include evidence procedures, arrest law, search and seizure and criminal liability of officers. FA, SP, SU

CJK 0286 - Corrections Communications (1.4)

The entire report writing process is covered. Topics include interviewing, interrogation, interpersonal communication skills, radio procedures, telephone procedures and practical exercises. FA, SP, SU

CJK 0300 - Introduction to Corrections (32.1)

This course introduces students to the legal and ethical responsiblilites of a correctional officer. Legal terms and definitions are explained.

Offered: Fall, Spring, Summer.

CJK 0305 - CJSTC Communications (39.9)

The entire report writing process is covered. Topics include interview and interrogation, interpersonal communication and practical exercises.

Offered: Fall, Spring, Summer.

CJK 0310 - Officer Safety (12)

Correctional officer safety procedures are learned. Students will learn to identify potential hazards and learn how to safely respond.

Offered: Fall, Spring, Summer.

CJK 0315 - Facility and Equipment (12)

Students learn the appropriate procedures for inspecting a correctional facility and equipment.

Offered: Fall, Spring, Summer.

CJK 0320 - Intake and Release (18)

Students learn the appropriate procedures for admitting and releasing inmates in a correctional facility.

Offered: Fall, Spring, Summer.

CJK 0325 - Supervising in a Correctional Facility (39.9)

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.

Offered: Fall, Spring, Summer.

CJK 0330 - Supervising Special Populations (20.1)

Students learn how to identify and supervise special population groups such as threat groups, juveniles, elderly and mentally ill inmates.

Offered: Fall, Spring, Summer.

CJK 0335 - Responding to Incidents and Emergencies (15.9)

Students learn how to identify and respond to situations involving escapes, riots, bomb threats, fires and medical emergencies in a correctional facility.

Offered: Fall, Spring, Summer.

CJK 0340 - Officer Wellness and Physical Abilities (30)

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.

Offered: Fall, Spring, Summer.

CJK 0422 - Dart Stun Gun Firing (8.1)

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.

Offered: Fall, Spring, Summer.

CJL - Criminal Justice

CJL 2072 - Civil Rights and Liability in Criminal Justice (3)

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.

Offered: Fall, Spring, Summer.

CJT - Criminal Justice

CJT 2100 - Criminal Investigation (3)

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.

Offered: Spring.

CLP - Psychology

CLP 2140 - Abnormal Psychology (3)

A study of terminology, diagnostic categories and treatment methods of major types of psychological disturbances.

Offered: Fall, Spring, Summer.

CNT - Computer Networking

CNT 2402 - Certified Ethical Hacker (3)

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.

Offered: Spring.

CNT 3104 - Introduction to Telecommunications (2)

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.

Offered: Fall, Summer.

CNT 4007 - Data and Computer Communications (3)

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: Fall, Spring.

CNT 4703 - Voice and Data Network Design (3)

Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results.

Offered: Fall, Summer.

COP - Computer Science

COP 1000 - Principles of Computer Programming (3)

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.

Offered: Fall, Spring, Summer.

COP 2001C - Computer Programming C++ and Lab (3)

A continuation of Computer Programming I using ?C.? Object-oriented programming concepts and fourth generation languages will be introduced and applied.

Offered: Spring, Summer.

COP 2071 - Querying Database (3)

This course provides
students with the technical skills required to write basic Transact-SQL queries for Microsoft SQL Server. Students will gain a complete understating of T-SQL and learn the techniques to complete SQL Server tasks.

Offered: Fall.

COP 2072 - Reporting Services (3)

This course covers the complete process of building and distributing reports and explains how to maximize all the powerful, integrated SQL Server Reporting Services capabilities, including the new and enhanced features. Students will use Report Builders, wizards and simple design tools to build reports and understand the Business Intelligence (BI) Semantic Models.

Offered: Spring.

COP 2220 - Computer Programming C (3)

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.

Offered: Fall.

COP 2360 - C# Programming (3)

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.

Offered: Fall, Spring, Summer.

COP 2654 - IPhone/I Pad Programming (3)

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.

Offered: Fall.

COP 2660 - Programming for Mobile Devices: Android (3)

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.

Offered: Spring.

COP 2700 - Introduction to Database Management (3)

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.

Offered: Fall, Spring.

COP 2800 - Computer Programming Java (3)

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.

Offered: Fall, Spring.

COP 2805 - Advanced Computer Programming Java (3)

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.

Offered: Spring.

COP 2842 - Web Scripting (PHP) (3)

This course is designed to teach Web server-side programming skills. Students completing this course will be able to develop a complete Web side, maintain and manage the Web site. Students will learn the essentials of Web server-side programming language, database, and server, write server-side programming code, integrate the code into Web pages, and identify different uses and applications of scripts in Web sites and/or other multimedia projects. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree. SP

Offered: Fall.

COP 2850 - Web Programming Project (3)

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.

COP 2905 - Directed Study in Computer Programming (1)

Independent 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.)

Offered: Fall, Spring, Summer.

COP 2940 - Computer Science Internship (2)

Six hours per week of practical computer programming experience in a computer installation.

Offered: Fall, Spring, Summer.

COP 2949 - Cooperative Educational Experience in Computer Programming (1-4)

Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) 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. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=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

Offered: Fall, Spring, Summer.

COP 3530 - Data Structures (3)

This course introduces fundamentals of Data Structures. Topics include: Programming strategies, Data Structures, Searching, Complexity, Queues, Sorting, and Algorithms.

Offered: Fall, Spring.

COP 4610 - Operating Systems (3)

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.

Offered: Fall, Spring.

COP 4708 - Applied Database I (3)

Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project is required.

Offered: Fall, Spring, Summer.

COP 4709 - Applied Database II (3)

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.

Offered: Spring.

COP 4813 - Web Systems I (3)

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.

Offered: Fall.

COP 4834 - Web Systems II (3)

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.

Offered: Spring.

COS - Cosmetology

COS 0012L - Barbering Lab - Level I (240)

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.

Offered: Fall, Spring.

COS 0080L - Cosmetology I Lab (240)

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.

Offered: Fall, Spring.

COS 0081L - Cosmetology II Lab (240)

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.

Offered: Fall, Spring.

COS 0082L - Cosmetology III Lab (240)

The student will acquire knowledge of the principles and concepts of cosmetology. Intermediate skills will be perfected on clients in the school-operated salon.

Offered: Fall, Spring, Summer.

COS 0083L - Cosmetology IV Lab (240)

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.

Offered: Fall, Spring.

COS 0084L - Cosmetology V Lab (240)

State Board preparation is emphasized. Theoretical knowledge and skills will be perfected to employment competency level.

Offered: Fall, Spring, Summer.

COS 0501L - Barbering Bridge Lab - Introduction to Barbering: Shaves/Beards/Mustaches (240)

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.)

Offered: Fall, Spring.

COS 0511L - Barbering Lab - Level II (240)

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.

Offered: Fall, Spring.

COS 0560L - Barbering Lab - Level III (240)

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.

Offered: Fall, Spring, Summer.

COS 0570L - Barbering Lab - Level IV (240)

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.

Offered: Fall, Spring.

COS 0580L - Barbering Lab - Level V (240)

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.

Offered: Fall, Spring, Summer.

COS 0905 - Directed Study in Cosmetology (30)

Directed Study in Cosmetology

Offered: Fall, Spring, Summer.

COS 0930 - Special Topics/Seminar in Cosmetology (120)

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.

Offered: Fall, Spring.

COT - Computing Theory

COT 3100 - Discrete Computational Analysis (3)

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.

Offered: Spring.

CPO - Political Science

CPO 2001 - Comparative Government (3)

A general introduction to countries and regions around the world and the comparative political analysis used to understand them. The course suggests factors which might provide better living conditions for citizens, including: institutions, legislative arrangements, party systems, culture, nationality, and ethnicity.

Offered: Fall, Spring, Summer.

CRW - English Language and Lit

CRW 2100 - Fiction Writing (3)

Fiction Writing

Offered: Fall, Spring.

CRW 2300 - Poetry Writing (3)

An introduction to the techniques of writing poetry. FA

Offered: Fall.

CSP - Cosmetology

CSP 0003L - Cosmetology Bridge Lab - Introduction to Cosmetology (240)

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.

Offered: Fall, Spring.

CTS - Computer Science

CTS 1851 - Internet Web Foundations (HTML, CSS) (3)

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.

Offered: Fall, Spring, Summer.

CTS 2141 - Advanced C++ and Direct X Programming (3)

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.

Offered: Fall.

CTS 2214 - Project Management w/Microsoft Project (3)

This course provides an introduction to the basic elements of Project Management. Students build project plans using Microsoft Project software.

Offered: Fall.

CTS 2302 - Microsoft Windows Active Directory Services (3)

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.

Offered: Fall.

CTS 2306 - Microsoft Windows Professional (3)

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.

Offered: Fall, Spring, Summer.

CTS 2310 - Designing Windows Network Security (3)

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.

Offered: Spring.

CTS 2311 - Linux Networking and Security (3)

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.

Offered: Spring.

CTS 2320 - Implementing, Managing and Maintaining a Windows Network Infrastructure (3)

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.

Offered: Fall.

CTS 2321 - Linux Fundamentals (3)

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.

Offered: Fall, Spring.

CTS 2328 - Managing and Maintaining a Windows Network Environment (3)

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.

Offered: Spring.

CTS 2361 - SharePoint Users (3)

This course teaches students how to become productive with SharePoint. Students will learn about the various SharePoint list types, create and configure document libraries to support popular features in SharePoint, add and update content in SharePoint site, configure and manage workflow in SharePoint.

Offered: Fall.

CTS 2370 - Virtualization Infrastructure: Installation and Configuration (3)

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.

Offered: Fall.

CTS 2375 - Essentials of Cloud Computing (3)

This course introduces students to the basics of Cloud Computing and introduces them to the most commonly used Cloud Computing platforms. Students will learn how to set up a cloud computing environment, from conception to implementation.

Offered: Fall.

CTS 2402 - Visual Basic Programming (3)

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.

Offered: Fall, Spring.

CTS 2403 - Advanced Visual Basic Programming (3)

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.

Offered: Fall.

CTS 2431C - Data Organization and Management and Lab (3)

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.

Offered: Summer.

CTS 2441 - Database Administration (3)

This course teaches students the skills needed to successfully administrate SQL Server. Students will learn how to manage databases, set up database security, optimize performance tuning, monitor the database, and back up data.

Offered: Fall.

CTS 2450 - Business Intelligence (3)

This course teaches the complete process to set up Database Business Intelligence model. Students will learn how to implement self-service Business Intelligence (BI) and Big Data analysis solutions using the Microsoft data platform.

Offered: Spring.

CTS 2801 - Web Application Development - ActionScripting (3)

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.

Offered: Spring.

CTS 3348 - Linux Administration (3)

Student will learn how a system administrator fulfills various organizational information resource management requirements using a Linux-based operating system. Topics will include; installation; creating and maintaining file systems; user and group administration; backup and restore processes; network configuration; various system services; security administration; and updating and maintaining the system.

Offered: Fall, Spring, Summer.

DAA - Dance

DAA 1100 - Modern Dance I (3)

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. May be repeated one time for credit.

Offered: Fall, Spring.

DAA 1104 - Beginning Modern Dance I (3)

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.

Offered: Fall, Spring.

DAA 1105 - Beginning Modern Dance II (3)

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.

Offered: Fall, Spring.

DAA 1200 - Classical Ballet I (3)

Provides a beginning level technique in the discipline of classical ballet. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

DAA 1204 - Beginning Ballet I (3)

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.

Offered: Fall, Spring, Summer.

DAA 1205 - Ballet II for Pre-Majors (3)

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.

Offered: Fall, Spring, Summer.

DAA 1500 - Beginning Jazz I (3)

Beginning level techniques and movement exploring a broad range of jazz dance. Elements of theater, lyrical and hip hop may be explored. May be repeated one time for credit.

Offered: Fall, Spring.

DAA 1520 - Beginning Tap I (3)

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. May be repeated one time for credit.

Offered: Fall, Spring.

DAA 2101 - Modern Dance II (3)

Intermediate techniques and performance comprise the course. May be repeated one time for credit. May be repeated one time for credit.

Offered: Fall, Spring.

DAA 2106 - Intermediate Modern I (3)

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.

Offered: Fall, Spring, Summer.

DAA 2107 - Intermediate Modern II (3)

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.

Offered: Fall, Spring, Summer.

DAA 2201 - Classical Ballet II (3)

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. May be repeated one time for credit.

DAA 2206 - Intermediate Ballet I (3)

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.

Offered: Fall, Spring, Summer.

DAA 2207 - Intermediate Ballet II (3)

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.

Offered: Fall, Spring, Summer.

DAA 2501 - Intermediate Jazz I (3)

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.

DAA 2540 - Musical Theater Dance (3)

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.

DAA 2610 - Dance Composition (3)

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.

DAA 2640 - Rehearsal & Performance (Dance Theatre) (1)

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.

Offered: Fall, Spring.

DAN - Dance

DAN 1100 - Dance Appreciation (3)

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.

Offered: Fall, Spring.

DAN 2740 - Stretch and Conditioning (3)

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

Offered: Fall, Spring.

DAN 2905 - Directed Study in Dance (1)

Directed Study in Dance

DEA - Dental Assisting

DEA 0000 - Introduction to Dental Assisting (30)

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.

Offered: Summer.

DEA 0020C - Chairside Assisting I and Lab (105)

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.

Offered: Fall.

DEA 0130 - Biomedical Science (60)

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.

Offered: Spring.

DEA 0801C - Chairside Assisting II and Lab (105)

This course is a continuation of DEA 0020C Chairside Assisting I and Lab. 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.

Offered: Spring.

DEA 0850L - Externship I (240)

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.

Offered: Spring.

DEA 0851L - Externship II (240)

This course 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 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.

Offered: Summer.

DEH - Dental Hygiene

DEH 1002C - Preclinical Dental Hygiene and Lab (4)

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.

Offered: Fall.

DEH 1133 - Orofacial Anatomy and Physiology (3)

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.

Offered: Summer.

DEH 1602 - Periodontology (3)

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.

Offered: Spring.

DEH 1800 - Clinical Dental Hygiene I (2)

This course is a continuation of DEH 1002C 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.

Offered: Spring.

DEH 1800L - Dental Hygiene Clinic I (2)

This course focuses on the utilization of patient assessment and dental hygiene care planning, periodontal debridement, and selective coronal polishing during clinical sessions.

Offered: Spring.

DEH 1802 - Clinical Dental Hygiene II (2)

This course is a continuation of DEH1800 Clinical Dental Hygiene I. Lectures focus on the care of patients with orthodontic appliances 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.

Offered: Summer.

DEH 1802L - Dental Hygiene Clinic II (2)

This course focuses on the refinement of basic skills pertaining to dental hygiene practice.

Offered: Summer.

DEH 2300 - Pharmacology (2)

This course is a comprehensive study of the general principles of pharmacology, drugs used in dentistry, and drugs that may alter dental treatment.

Offered: Fall.

DEH 2400 - General and Oral Pathology (2)

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.

Offered: Fall.

DEH 2702C - Community Dental Health and Lab (3)

This course covers the philosophy and practice of community and public health dentistry that includes the study of statistical analysis, research methodology, epidemiology of dental disease and the role of the dental hygienist in the community. Students are required to design and implement oral health education programs for community groups.

Offered: Spring.

DEH 2804 - Clinical Dental Hygiene III (2)

This course is a continuation of DEH 1802 Clinical Dental Hygiene II. Lectures focus on applied techniques for patients with special needs.

Offered: Fall.

DEH 2804L - Dental Hygiene Clinic III (3)

This course emphasizes the utilization of advanced dental hygiene skills, expanded functions and periodontal therapy.

Offered: Fall.

DEH 2806 - Clinical Dental Hygiene IV (2)

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.

Offered: Spring.

DEH 2806L - Dental Hygiene Clinic IV (3)

This course provides further proficiency of clinical skills and refinement of assessment capabilities in preparation for licensure and clinical practice.

Offered: Spring.

DEP - Psychology

DEP 2001 - Infant Child and Adolescent Psychology (3)

An in-depth study of the concepts and principles of growth and development in infancy and childhood.

Offered: Fall, Spring, Summer.

DEP 2004 - Developmental Psychology (3)

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.

Offered: Fall, Spring, Summer.

DEP 2402 - Psychology of Adulthood and Aging (3)

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. (Prerequisite: PSY 1012.) FA, SP, SU

Offered: Fall, Spring, Summer.

DEP 2481 - Death and Dying: Life and Living (3)

An exploration of the meanings, human experiences and dilemmas associated with life and death in the twentieth century. Lecture/discussion method.

Offered: Fall, Spring, Summer.

DES - Dental Sci Support

DES 0002 - Dental Anatomy and Physiology (30)

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.

Offered: Summer.

DES 0103C - Dental Materials and Laboratory Procedures (90)

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.

Offered: Fall.

DES 0205C - Dental Radiology and Lab (90)

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.

Offered: Fall.

DES 0501 - Practice Management (30)

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.

Offered: Spring.

DES 0844 - Preventive Dentistry and Nutrition (30)

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 also 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.

Offered: Spring.

DES 1010 - Head and Neck Anatomy (2)

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.

Offered: Fall.

DES 1054 - Pain Control and Anesthesia (2)

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.

Offered: Spring.

DES 1100C - Elements of Dental Materials and Lab (3)

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.

Offered: Summer.

DES 1200C - Dental Radiography and Lab (3)

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.

Offered: Fall.

DES 1832L - Expanded Functions for the Dental Hygienist (2)

This course provides students with didactic information and the laboratory experience to perfom expanded functions that are permitted by the Florida laws and rules found in the Florida Statues and Administrative Code.

Offered: Spring.

DES 1840 - Preventive Dentistry (2)

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.

Offered: Fall.

DES 2600 - Medical and Dental Emergencies (2)

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.

Offered: Fall.

DIG - Digital Media

DIG 1109 - Digital Imaging Fundamentals (3)

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.

Offered: Fall, Spring.

DIG 2000 - Introduction to Digital Media (3)

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.

Offered: Fall, Spring.

DIG 2100 - Web Design I (3)

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.

Offered: Fall, Spring.

DIG 2441 - Mobile Devices and Applications of Social Media (3)

This course explores the utilization of mobile devices and mobile applications for digital storytelling to build a social

media connection with an intended audience.
Topics include user experience design (UX Design), Interactive storytelling, social media concepts and new media techniques in the mobile environment. This course focuses on the use of efficient and effective mobile and social media strategies to deliver engaging interactive media products.

Offered: Spring .

DIG 2500 - Fundamentals of Interactive Media (3)

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.

Offered: Fall, Spring.

DIG 2974 - Interactive Media Capstone (4)

Students create their own identity package and e-Portfolio while working together on a complete client experience, from inception to implementation integrating media across various platforms to expand the client's brand.

Offered: Fall, Spring, Summer.

DIM - Automotive Mech (Diesel)

DIM 0810 - Transit Equipment Preventive Maintenance (200)

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.

Offered: Spring.

DIM 0811 - Transit Basic Electrical Systems (120)

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.

Offered: Spring.

DIM 0812 - Transit Wheelchair Life/Ramp (60)

This course will provide the students with the skills and knowledge needed to diagnosis and repair wheelchair lift/ramp components on transit buses.

Offered: Spring.

DIM 0813 - Transit Diesel Engine Preventive Maintenance (120)

This course will provide the students with the skills and knowledge needed to diagnosis and conduct preventive maintenance on transit buses.

Offered: Spring.

DIM 0814 - Transit Steering and Suspension (120)

This course will provide the students with the skills and knowledge needed to maintain and repair steering suspension systems.

Offered: Spring.

DIM 0820 - Transit Hydraulics (60)

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.)

Offered: Spring.

DIM 0821 - Transit Diesel Electrical and Diesel Engine Electronics (120)

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.)

Offered: Spring.

DIM 0822 - Transit Drivetrain (120)

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.)

Offered: Spring.

DIM 0823 - Transit Intermediate Electrical Systems (120)

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.)

Offered: Spring.

DIM 0824 - Transit Brakes/Air Systems (120)

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.)

Offered: Spring.

DIM 0830 - Transit Alternative Fuel Systems (120)

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.)

Offered: Spring.

DIM 0831 - Transit Advanced Electrical Systems (120)

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.)

Offered: Spring.

DIM 0832 - Transit Heating and Air Conditioning (200)

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.)

Offered: Spring.

DIM 0833 - Transmission Diagnosis, Rebuild and Repair (120)

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.)

Offered: Spring.

DIM 0834 - Diesel Engine Diagnosis, Repair and Rebuild (120)

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.)

Offered: Spring.

EAP - English for Academic Purposes

EAP 1500 - High-Intermediate Speaking and Listening (3)

Students develop high intermediate English speaking and listening communication, organization, and pronunciation skills to effectively present on non-academic and academic topics, participate in academic and non-academic classroom discussions, and take notes from non-authentic and authentic academic and non-academic lectures.

Offered: Fall, Spring.

EAP 1501 - English Pronunciation (3)

This course is designed to equip students with the necessary skills to proximate the spoken language of Standard American English. Topics will range from discrete, individual sounds of letters and words to the holistic concepts that encompass sentences and phrases.

Offered: Fall, Spring.

EAP 1520 - High-Intermediate Academic Reading (3)

This high-intermediate course develops the students' ability to comprehend academic texts by applying appropriate reading strategies. Students will also add to their vocabulary repertoire through direct-instruction and the incorporation of strategies.

Offered: Fall, Spring.

EAP 1585 - High-Intermediate Writing and Grammar (6)

This is an academic English language course designed to develop the student's ability to write and use complex grammar skills appropriate to academic paragraphs and essays with an emphasis on accuracy, clarity and cohesiveness as well as execute other academic writing tasks.

Offered: Fall, Spring.

EAP 1600 - Advanced Speaking and Listening (3)

Students develop advanced English speaking & listening communication, organization, and pronunciation skills to effectively present on academic topics, participate in academic classroom discussions, and take notes from authentic academic lectures.

Offered: Fall, Spring.

EAP 1620 - Advanced Academic Reading (3)

This course develops students' ability to comprehend and interpret authentic college-level texts in content areas by applying appropriate reading strategies.

Offered: Fall, Spring.

EAP 1640 - Academic Writing (3)

This is an advanced academic English language course designed to develop the students' ability to write academic essays and basic research papers, with an emphasis on accuracy, clarity and cohesiveness as well as execute other academic writing tasks.

Offered: Fall.

EAP 1660 - Grammar (3)

This course develops students' ability to use complex grammatical structures appropriate to effective academic presentations, discussions, and essays.

Offered: Fall.

EAP 1685 - Advanced Writing and Grammar (6)

This is an advanced academic English language course designed to develop the student's ability to write and use complex grammar skills appropriate to academic essays and basic research papers, with an emphasis on accuracy, clarity and cohesiveness as well as execute other academic writing tasks.

Offered: Fall, Spring.

ECO - Economics

ECO 2013 - Principles of Macroeconomics (3)

This course is 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 (State Rule 6A-10.030) writing requirement. (Prerequisite or Corequisite: ENC1101.)

Offered: Fall, Spring, Summer.

ECO 2023 - Principles of Microeconomics (3)

This is course is 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 (State Rule 6A-10.030) writing requirement. (Prerequisite or corequisite: ENC 1101.)

Offered: Fall, Spring, Summer.

EDE - Education

EDE 4223 - Integrated Art, Music and Movement (3)

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.

Offered: Fall, Spring.

EDF - Education

EDF 1005 - Introduction to the Teaching Profession (3)

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.

Offered: Fall, Spring, Summer.

EDF 2085 - Introduction to Diversity for Educators (3)

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.

Offered: Fall, Spring, Summer.

EDF 3214 - Child/Adolescent Development and Learning (3)

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.

Offered: Fall, Spring.

EDF 4430 - Classroom Assessment (3)

The purpose of this class is to help the teacher candidate 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 a field experience in a public school. This course requires a 15-hour field experience.

Offered: Fall, Spring.

EDF 4603 - Critical Issues in Classroom Management, Ethics, Law and Safety (3)

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.

Offered: Fall, Spring, Summer.

EDF 4943 - Student Internship (9)

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.

Offered: Fall, Spring.

EDG - Education

EDG 2370 - Introduction to Teaching Reading and Language Arts (3)

Introduction to Teaching Reading and Language Arts

EDG 2770 - Exploring Global Education Issues in International Context (3)

This course is a guided field experience designed to immerse students in global issues challenging the educational community worldwide, from both academic and experiential perspectives. Through guided studies and field experiences within Haiti/Nicaragua, students will gain a greater appreciation of the challenges faced by emerging nations that include the effects of poverty, exceptionality, race, ethnicity, language and gender on access to quality education and equitable life chances.

Offered: Summer.

EDG 2905 - Directed Study in Education (3)

Directed Study in Education (Prerequisite:Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

EDG 4323 - Professional Teaching Practices (3)

This course is designed 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 a 15-hour field experience.

Offered: Fall, Spring.

EDP - Education

EDP 2002 - Educational Psychology (3)

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.

Offered: Fall, Spring, Summer.

EEC - Early Childhood Education

EEC 2401 - Home, School and Community (3)

Designed for students to become acquainted with the dynamics of the relationships of home, school and community in early childhood education.

EEC 2523 - Leadership and Management of Child Care Programs (3)

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.

Offered: Fall, Spring, Summer.

EEC 2527 - Child Care Center Financial and Legal Issues (3)

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.

Offered: Fall, Spring.

EET - Electronic Engineer Tech

EET 1011C - Introduction to Electrical Circuits and Lab (3)

An introduction to the basic concepts of electricity and magnetism. Emphasis is placed on resistance, capacitance and inductance as basic circuit components.

Offered: Fall, Spring.

EET 1021C - Advanced Electrical Circuits and Lab (3)

An introduction to the basic concepts of alternating voltage and current. Emphasis is placed on resistance, capacitance and inductance as basic AC circuit components.

Offered: Fall, Spring.

EET 1141C - Analog Devices and Circuits and Lab (4)

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.

Offered: Spring .

EET 1607C - Electronics Assembly and Cabling and Lab (3)

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.

Offered: Fall, Spring.

EET 2142C - Analog Circuits and Basic Analog Communications and Lab (4)

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.

Offered: Fall.

EET 2326C - Wireless Communications and Lab (4)

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.

Offered: Spring.

EET 2905 - Directed Study in Electronics (4)

Directed Study in Electronics

Offered: Fall, Spring, Summer.

EET 2949 - Cooperative Education Experience in Electronics (1-4)

(Prerequisite: 12 semester hours of approved Computer Science courses and permission of Computer Science chairperson.) 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

Offered: Fall, Spring, Summer.

EET 3085 - Electricity and Electronics (3)

Basic theorems and circuit analysis techniques. Instruments and measurements. Introduction to integrated circuits.

Offered: Fall, Spring, Summer.

EET 3085L - Electricity and Electronics Lab (1)

Lab component for; Basic theorems and circuit analysis techniques. Instruments and measurements. Introduction to integrated circuits

Offered: Fall, Spring, Summer.

EET 3086 - Principles of Electrical Circuits (3)

DC, AC circuits and electronics. Theorems and circuit analysis techniques. Introduction to transducers, instrumentation, measurements and circuits simulation.

Offered: Fall, Spring, Summer.

EET 3716 - Network Analysis (3)

Transient analysis of first and second-order circuits, circuit analysis using LaPlace Transforms. Transform function, frequency response analysis, and Bode plots.

Offered: Fall.

EET 4158 - Linear Integrated Circuits (3)

Applications of operational amplifiers, comparators, phase-locked loops, timers, regulators, other integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators.

Offered: Spring.

EET 4158L - Linear Integrated Circuits Lab (1)

Linear Integrated Circuits Lab

EET 4329C - Communications Systems and Lab (4)

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.

Offered: Spring.

EET 4732 - Feedback Control Systems (3)

Analysis of networks and control systems. Stability and Compensation considerations, root locus, Nichols chart and Bode plots. Simulation techniques, systems components.

Offered: Spring.

EET 4732L - Feedback Control Systems Lab (1)

Lab component for; Analysis of networks and control systems. Stability and Compensation considerations, root locus, Nichols chart and Bode plots. Simulation techniques, systems components.

Offered: Spring.

EEX - Education (Except Child)

EEX 1600 - Classroom Management (Early Childhood) (3)

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.

Offered: Summer.

EEX 2010 - Introduction to Special Education (3)

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 15 hours of field experience in the public schools with ESE students. This course may be offered during the FA, SP, and SU terms.

Offered: Fall, Spring.

EEX 2080 - Teaching the Exceptional Learner (3)

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.

Offered: Spring.

EEX 4034 - Introduction to Exceptional Student Education for Inclusive Teachers (1)

Introduction to Exceptional Student Education for Inclusive Teachers

Offered: Spring.

EEX 4070 - Teaching Exceptional Students (3)

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.

Offered: Fall, Spring.

EEX 4221 - Assessment of Exceptional Education Students (3)

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.

Offered: Fall.

EEX 4242 - Teaching Exceptional Students in Secondary Schools (3)

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.

Offered: Fall.

EEX 4265 - Curriculum and Instruction for Students with Disabilities 6-12 (3)

Curriculum and Instruction for Students with Disabilities 6-12

Offered: Fall, Spring.

EEX 4483 - Differentiated Instruction (3)

Differentiated Instruction

EEX 4601 - Behavior Management (3)

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.

Offered: Fall.

EEX 4943 - Student Externship (9)

Student Internship is the student teaching field experience for the teacher education programs. Students are placed in a school or schools for the entire semester. A minimum of 10 - 12 weeks must be spent in full time teaching. (Prerequistes: Acceptance into the teacher education program and completion of all courses required for certification. Students should also have passed the appropriate Florida Teacher Certification Exams required for the student's program. Professional Education and Subject Area Exams).

Offered: Fall, Spring.

EGN - Engineering

EGN 1111C - Engineering Drawing and Lab (3)

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).

Offered: Fall, Spring.

EGN 2045 - Engineering and Technology Calculus I (4)

This course presents the concepts of pre-calculus and calculus with direct applications of the use of these mathematics in engineering and technology problem solving. Concepts through derivatives of algebraic and transcendental functions, techniques of differentiation, applications of derivatives, differentials, optimization and plane areas are covered. This course is to be taught specifically by faculty with an engineering background and industrial experience.

Offered: Fall, Spring.

EGN 3046 - Engineering and Technology Calculus II (3)

This course presents advanced mathematical topics and their direct application to problem solving in engineering and technology. Beginning with the calculus topics of integration the course progresses through higher order differential equations and also introduces computer numerical techniques of solving engineering and technology problems. This course is to be taught specifically by faculty with an engineering background and industrial experience.

Offered: Spring, Summer.

EGN 3214 - Programming for Engineers (3)

This course covers computer programming fundamentals. Input, output, conditional logic, loops, and basic constructs are presented with applications in solving engineering problems.

Offered: Fall, Summer.

EGN 3311 - Statics (3)

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.

Offered: Fall.

EGN 3321 - Dynamics (3)

This course covers the dynamics of particles and rigid bodies, application of free-body diagrams, Newton's second law, the impulse-momentum method, and the work-energy principle to solve dynamic problems in mechanical systems.

Offered: Spring.

EGN 3343 - Thermodynamics (3)

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.

Offered: Fall.

EGN 3373 - Principles of Electrical Engineering (3)

This course is a comprehensive treatment of traditional topics in circuit analysis, electronics and instrumentation, suitable for electrical and non-electrical engineering majors. While the course emphasizes analysis skills and measurement, some examples and exercises that can be used to teach practical applications and troubleshooting will be given.

EGN 3613 - Engineering Economics Analysis (3)

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.

Offered: Spring, Summer.

EGS - Engineering (Support)

EGS 1000 - Professional Performance for Technicians (3)

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.

Offered: Fall, Spring, Summer.

EGS 2033 - Technical Ethics (1)

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.

Offered: Fall, Spring.

EGS 2905 - Directed Study in Electronics (1)

Directed Study in Engineering

Offered: Fall, Spring, Summer.

EME - Education

EME 2040 - Introduction to Education Technology (3)

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.

Offered: Fall, Spring, Summer.

EME 3434 - Integrating Technology into Math and Science (3)

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.

EMS - Emergency Medical Services

EMS 1119C - Emergency Medical Technician I and Lab (10)

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.

Offered: Fall, Spring, Summer.

EMS 1335 - Emergency Vehicle Operators Course (1)

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.

Offered: Fall, Spring, Summer.

EMS 1431 - Emergency Medical Technician Clinical/Field Experience (2)

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.

EMS 2603C - Paramedic I and Lab (13)

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.

Offered: Fall, Spring, Summer.

EMS 2604C - Paramedic II and Lab (12)

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.

Offered: Fall, Spring, Summer.

EMS 2605C - Paramedic III and Lab (11)

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.

Offered: Fall, Spring, Summer.

EMS 2659 - Paramedic Field Internship (3)

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.

Offered: Fall, Spring, Summer.

EMS 2666 - Paramedic Clinical I (1)

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.

Offered: Fall, Spring, Summer.

EMS 2667 - Paramedic Clinical II (2)

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.

Offered: Fall, Spring, Summer.

ENC - English Language and Lit

ENC 0027 - Introduction to College Reading and Writing (3)

This course is an introduction to composition and reading designed to help students gain proficiency in writing and reading skills. Emphasis is placed on advancing reading comprehension and writing. This course cannot be used toward AA or AS degree requirement.

Offered: Fall, Spring.

ENC 0055L - The English Studio (1)

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.

Offered: Fall, Spring, Summer.

ENC 1101 - Introduction to Composition (3)

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.

Offered: Fall, Spring, Summer.

ENC 1102 - Writing with Research (3)

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.

Offered: Fall, Spring, Summer.

ENC 2210 - Report Writing (3)

Principles and techniques for presenting technical and job related information, including primary research, graphically as well as in clear, concise written form.

Offered: Fall, Spring.

ENG - English Language and Lit

ENG 2100 - Introduction to Film (3)

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.

Offered: Fall.

ENG 2905 - Directed Study in English (4)

Directed Study in English

Offered: Summer.

ENL - English Language and Lit

ENL 2330 - Selected Topics in Shakespeare (3)

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.

Offered: Fall, Spring.

EPI - Education

EPI 0940 - Field Experience I (Professional Foundations) (3)

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.

Offered: Fall, Spring.

EXP - Psychology

EXP 2420 - Animal Learning (3)

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.

Offered: Fall, Spring, Summer.

ESE - Education

ESE 4945 - Internship Seminar (3)

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 Tech (Civil)

ETC 2207C - Construction Planning and Estimating and Lab (3)

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.

Offered: Fall.

ETC 2245 - Construction Methods (3)

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.

Offered: Spring.

ETC 4206 - Construction Estimating (3)

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.

ETC 4241 - Construction Materials and Methods (2)

Construction principles, details, materials and methods used as related to the construction of buildings.

Offered: Spring.

ETC 4241L - Construction Materials and Methods Lab (1)

Lab component for; Construction principles, details, materials and methods used as related to the construction of buildings.

Offered: Spring.

ETC 4414C - Structural Steel Design and Lab (3)

Introduction to indeterminate analysis, design of steel members, components and connections using current code and specification requirements.

Offered: Fall.

ETC 4415C - Structural Concrete Design and Lab (3)

Strength design of reinforced concrete members, foundations, slabs,and walls. Current code and specification requirements.

Offered: Spring.

ETD - Engineering Tech (Draft)

ETD 2320C - Computer Aided Drafting I (AutoCAD) and Lab (3)

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.

Offered: Fall, Spring, Summer.

ETD 2340C - Computer Aided Drafting II (AutoCAD) and Lab (3)

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.

Offered: Fall, Spring.

ETD 2350C - Computer Aided Design Applications (AutoCAD) and Lab (3)

Advanced applications course utilizing CAD software to produce finished drawings. Topics include Windows operating system, text editors, software variables, menu modification, macros, and programming.

Offered: Fall.

ETD 2357C - Inventor Solid Modeling and Lab (3)

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.

Offered: Spring.

ETD 2364C - SolidWorks Solid Modeling and Lab (3)

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.

Offered: Fall.

ETD 2368C - SolidWorks II and Lab (3)

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.

Offered: Spring.

ETD 2372 - Additive Manufacturing II (3)

This course examines the key elements of product development from the concept through design to production. Topics include knowledge of the theory of Rapid Prototyping and enables critical thinking in new product development, process building, sustainability, and innovation theories. Engineering parts inspection and reverse engineering processes employing 3-Dimensional (3D) printing, scanning, and Coordinate Measuring are covered.

Offered: Spring.

ETD 2377C - 3D Computer Animation (3D Studio) and Lab (3)

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.

Offered: Fall.

ETD 2390C - Introduction to Revit Architecture and Lab (3)

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.

Prerequisite: EID2320C. Offered: Fall, Spring.

ETD 2395C - Architectural CAD and Lab (3)

Architectural design and drafting utilizing Architectural CAD software by AutoDesk . Topics include floor plans, doors, windows, roofs, stairs, annotations, elevations, sections and commercial structures.

Offered: Spring.

ETD 2465C - Tool Design and Lab (3)

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.

Offered: Spring.

ETD 2540C - Civil Drafting and Surveying (CAD) and Lab (3)

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.

Offered: Spring.

ETD 2805C - Technical Illustration and Lab (3)

Methods and techniques of pictorial drawing as related to mechanical and industrial graphics using AutoCAD.

Offered: Fall.

ETG - Engineering Tech (Gen)

ETG 2520 - Statics and Strength of Materials (3)

Course which introduces mathematical concepts needed to calculate the design parameters of structural components.

Offered: Fall.

ETG 2906 - Directed Study in Engineering (1)

Directed Study in Engineering

Offered: Fall, Spring, Summer.

ETG 2949 - Cooperative Education Experience in Engineering (1)

(Prerequisite: 12 semester hours of approved Building and Architecture Technology courses and permission of the Building and Architecture Technology chairperson.) 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

Offered: Fall, Spring.

ETG 3533 - Engineering Strength of Materials (2)

Relationship between external forces and action of members of a structure. Topics include stress, shear, moment, deflections, columns, connections, and Mohr's circle.

Offered: Spring.

ETG 3533L - Engineering Strength of Materials Lab (1)

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.

Offered: Spring.

ETG 3541 - Applied Mechanics and Physics (3)

Coplanar, parallel, concurrent, and non-current force systems. Centroids, CG?s, moments, of inertia. Principles of dynamics, rectilinear motion and rotation, work, energy, power, impulse, momentum, and impact.

Offered: Summer.

ETG 3907 - Directed Study in Industrial Systems (3)

Directed Study in Industrial Systems

Offered: Fall, Spring, Summer.

ETG 4950C - Project Management and Senior Design II and Lab (3)

The course addresses product design and development, product testing, bill of materials, supplier selection and supply chain management, and product documentation including marketing material.

Offered: Fall, Spring.

ETI - Engineering Tech (Indust)

ETI 1110 - Introduction to Quality Assurance (3)

This course defines the role of quality in an industrial environment. Topics include the use of quality management techniques and quality philosophies, process development, techniques used for evaluation, approaches used on continuous operations, methods used to control quality, and the International Organization for Standardization (ISO) series of standards. The responsibility of quality assurance during the engineering, manufacturing, and marketing of a product is also covered.

Offered: Fall.

ETI 1411 - Survey of Manufacturing Processes (3)

This course gives an overview of all the standard manufacturing methods used in industrial production including casting methods, imaging and coating methods, molding, forming, machining, and joining. Materials preparation and applicability of manufacturing processes are covered.

Offered: Spring.

ETI 1420 - Manufacturing Processes and Materials (3)

This course provides coverage of the characteristics, fundamentals, and manufacturing properties of materials, including metal alloys, polymers, ceramics, and composites. The metal-casting processes and the shaping and forming processes are also covered along with the machines needed for manufacturing.

Offered: Spring.

ETI 1701 - Industrial Safety (3)

This course focuses on the theories and principles of occupational safety and health in a practical and useful real world job related setting. The major topics include the Occupational Safety and Health Administration (OSHA) compliance, safety standards, code enforcement, ergonomic hazards, mechanical hazards, falling, lifting, electrical hazards, fire hazards, industrial hygiene, radiation, noise, emergencies, and environmental safety.

Offered: Fall.

ETI 1843C - Motors and Controls (3)

This course involves a study of devices and components that translate electrical energy into mechanical motion such as servo motors, stepping motors, solenoids, linear motors and actuators.

Offered: Fall, Spring.

ETI 2122 - Product Testing and Quality Control (3)

This course examines the testing methods used to test manufactured products to ensure reliable performance. Testing is incorporated into an overall quality management plan and industrial testing and quality control processes are presented.

Offered: Spring.

ETI 2950C - Capstone Project (4)

This project-based course is intended to be a culminating technical experience for the Mechatronics Specialization of the ASET program. Students will develop initiatives for real industry-based projects; technical demonstrations and written technical report presentations are required. The students will demonstrate the knowledge and skills covered in the program.

Offered: Fall, Spring.

ETI 3116 - Engineering Quality Assurance (3)

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: Spring.

ETI 3421 - Materials and Processes (3)

A study of fundamental properties of materials. Current industrial practices in founding, forming, joining and shaping processes.

Offered: Fall.

ETI 3671 - Technical Economics Analysis (3)

Analysis of cost elements in technical operations. Basis for comparison of alternatives.

ETI 3690 - Technical Sales (3)

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.

Offered: Spring.

ETI 4186 - Applied Reliability (3)

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.

Offered: Fall.

ETI 4205 - Applied Logistics (3)

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.

Offered: Fall.

ETI 4448 - Project Management and Senior Design I (3)

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.

Offered: Fall, Spring.

ETI 4635 - Technical Administration (3)

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.

Offered: Spring.

ETI 4640 - Operations Management (3)

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.

Offered: Spring.

ETI 4704 - Occupational Safety (3)

Accident prevention and the operation of an industrial safety program. Basic requirements of the occupational safety and Health Act standards.

Offered: Summer.

ETM - Engineering Tech (Mech)

ETM 1010 - Mechanical Measurement and Instrumentation (3)

This course provides the basic foundation for both mechanical and electronic measurement techniques used in manufacturing environments. The course will integrate the concepts, principles, and techniques of mechanical measurement with the use of various types of instruments including micrometers, verniers, calipers, gages, and other types of measuring equipment. The course will also introduce the student to the basic measurement techniques employing electronic test equipment including the operation and usage of digital multimeters, function generators, and oscilloscopes.

Offered: Spring.

ETM 2315C - Hydraulic and Pneumatic Power and Control and Lab (3)

This course includes 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.

Offered: Fall.

ETM 4220 - Energy Systems (3)

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.

Offered: Spring.

ETM 4331 - Applied Fluid Mechanics (3)

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.

Offered: Fall.

ETM 4512 - Design of Machine Elements (3)

Design of basic machine elements, including cams, gears, bearings, and coupling, taking into account loads, stresses, and strength of materials.

Offered: Spring.

ETP - Engineering Tech (Power)

ETP 4240 - Power Systems (3)

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.

Offered: Fall.

ETP 4240L - Power Systems Lab (1)

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.

Offered: Fall.

ETS - Engineering Tech (Spec)

ETS 2540C - Fundamentals of Robotics and Automation (3)

This is an introductory course that covers basic principles of robotics and automation. It includes basic robotics concepts, operation, classification and applications in industrial automation. This course also includes an overview of automated manufacturing systems.

Offered: Fall, Spring.

ETS 2542C - Programmable Logic Controllers (4)

This course is an introduction to theory of operation of analog and digital controllers and software techniques, including logic charts, and Boolean algebra. Particular emphasis on ladder logic diagrams, including timing functions, counters, and master control relays. Laboratory projects provide practical insight into capabilities and applications of programmable controllers in industrial settings.

Offered: Fall, Spring.

ETS 3543C - Programmable Logic Applications and Device and Lab (3)

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.

Offered: Fall, Spring, Summer.

ETS 4502C - Metrology and Instrumentation and Lab (3)

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.

Offered: Fall.

EUH - History

EUH 2000 - History of Western Civilization to 1648 (3)

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 College-Level Communication and Computational Skills (State Rule 6A-10.030) writing requirement.

This course also helps develop the general education skills of (1) Critical/Creative Thinking; (2) Communication; (3) Cultural Literacy; and (4) Information and Technical Literacy.

Offered: Fall, Spring, Summer.

EUH 2001 - History of Western Civilization from 1648 to Present (3)

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.

Offered: Fall, Spring.

EUH 2905 - Directed Study in European History (3)

Directed Study in European History (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

EVR - Environmental Studies

EVR 2001 - Introduction to Environmental Science (3)

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.

Offered: Fall, Spring.

EVR 2001L - Introduction to Environmental Science Lab (1)

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.

Offered: Fall.

EVR 2630 - Hazardous Material Risk Analysis (3)

In this course, students will learn a case study approach to hazardous materials risk analysis using systematic methods to determine risk associated with hazardous materials when time is not a critical factor or implemented at the scene of an incident involving the spill of hazardous materials. Students learn techniques to recognize safety concerns; how to initiate safety protocols; and how to use available resources to assist in the management of a hazardous accident.

Offered: Summer.

EVR 2647 - Environmental Site Assessment (3)

Successful students will learn the fundamentals of Environmental Site Assessment bases and procedures. This includes Phase I conformance with American Society for Testing and Materials Standard E-1527 and the US Environmental Protection Agency (USEPA) All Appropriate Inquiries Rule (40 CFR 312); and proper planning and performance of Phase II investigations using ASTM E1903 Standard Guide for Phase II Environmental Site Assessments. An overview of potential environmental issues beyond the scope of formal Phase I and Phase II ESAs is also included in the course.

Offered: Summer.

EVR 2861 - Environmental Policy and Law (3)

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. Students will study cases, learn about federal, state and local agencies that regulate and enforce environmental law and policy.

Offered: Fall, Spring.

EVR 2943 - Environmental Internship (3)

This course provides students with meaningful work experience in the field of environmental science. (Prerequisite: By Permission of Chairperson). This course also helps develop the general education skills of (1) critical/creative thinking; (2) communication; (3) cultural literacy; and (4) information

and technical literacy. This course is repeatable for credit one time.

Offered: Summer.

EVS - Environmental Science

EVS 2026C - Chemistry and Biology of Natural Waters and Laboratory (4)

This is an introductory course providing an overview of the biological and chemical components of natural water systems, their importance to Earth's ecosystems, and analysis techniques used to monitor these components.

Offered: Spring.

FFP - Fire Science

FFP 0010 - Firefighter I (206)

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.

Offered: Fall, Spring.

FFP 0020 - Firefighter II (192)

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.

FFP 1510 - Construction Codes and Material Rating (3)

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.

Offered: Fall, Spring, Summer.

FFP 1520 - Fire Prevention Programs (3)

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.

Offered: Fall, Spring, Summer.

FFP 1700 - Management of Municipal Fire Protection (3)

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.

Offered: Fall, Spring, Summer.

FFP 1799 - Time Management for Fire Service (1)

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.

Offered: Fall, Spring, Summer.

FFP 1810 - Firefighting Strategy and Tactics I (3)

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.

Offered: Fall, Spring, Summer.

FFP 2111 - Fire Chemistry (3)

This course is a study of basic definitions of the chemical characteristics applicable to the chemistry of fire and of the physical and chemical properties of matter, with a particular emphasis on hazardous materials, hydrocarbons, oxidation-reduction chemistry, and residuals of pyrolysis. Emphasis is on emergency situations and the most favorable methods of handling leaks, spills, fire fighting and incident control.

Offered: Fall, Spring.

FFP 2120 - Building Construction (3)

A study of building designs and construction features providing indications of how fire will behave and spread in various types of structures.

Offered: Fall, Spring, Summer.

FFP 2401 - Hazardous Materials I (3)

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.

Offered: Fall, Spring, Summer.

FFP 2402 - Hazardous Materials II (3)

A study of the methods used to transport hazardous materials, and ways to control and lessen the effects of an accident.

FFP 2521 - Blueprint Reading and Plans Evaluation (3)

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.

Offered: Fall, Spring, Summer.

FFP 2540 - Private Fire Protection Systems (3)

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.

Offered: Fall, Spring, Summer.

FFP 2604 - Fire Detection and Investigation (3)

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.

Offered: Fall, Spring, Summer.

FFP 2706 - Public Information Officer (3)

This course is a study of what public relations are and how a fire department can utilize positive public relations to benefit the organization and the public. The student will demonstrate techniques to bridge public relations with the community. This course describes the functions of a public information officer along with the responsibilities theposition holds.

Offered: Fall, Spring.

FFP 2720 - Fire Department Leadership (3)

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.

Offered: Fall, Spring, Summer.

FFP 2740 - Fire Service Instructor (3)

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.

Offered: Fall, Spring, Summer.

FFP 2741 - Fire Service Course Design (3)

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.

Offered: Fall, Spring, Summer.

FFP 2770 - Ethical and Legal Issues for the Fire Service (3)

This course is a study of the entire spectrum of legal issues facing today's fire service leaders. Topics include: Labor relations, human rights and diversity; conflicts of interest and frameworks for ethical decision making.

Offered: Fall, Spring.

FFP 2801 - Introduction to Command (3)

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.

Offered: Fall, Spring.

FFP 2811 - Firefighting Strategy and Tactics II (3)

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.

Offered: Fall, Spring, Summer.

FFP 2949 - Cooperative Education Experience in Fire Science (1)

Cooperative Education Experience in Fire Science

Offered: Fall, Spring, Summer.

FIN - Finance

FIN 1100 - Personal Financial Planning (3)

This course provides an introductory study into individual strategies for personal, long-term financial health. Students learn about financial goals, budgeting effectively, managing credit and saving, and investing and building wealth.

Offered: Fall, Spring, Summer.

FIN 2000 - Principles of Finance (3)

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.

Offered: Fall, Spring.

FOS - Culinary Mgmt (Food Serv)

FOS 1141 - Introduction to Cakes (3)

This course presents the foundation methods and procedures in cake and dessert production, including the creaming method and blending techniques. An emphasis is placed on preparing simple to complex unfilled cakes and tortes. Topics covered include comparison of classical and modern preparations, classical cakes, i.e. Opera Torte, Linzer Torte, Sacher Torte, Glazes, Ices, Molded and Cream Filled Cakes.

Offered: Fall, Spring.

FOS 1142 - Pastry Fundamentals (3)

This course is an introduction to fundamental pastry techniques, knife skills, and 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.

Offered: Fall, Spring.

FOS 1151 - Nutritional Baking (3)

This course covers the production of nutritional baked goods that focus on dietary restrictions and allergies. Topics include: current health problems impacting customers, techniques for recipe modification, prepare baked goods that meet dietary needs.

Offered: Fall, Spring.

FOS 1201 - Sanitation and Safety (3)

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.

Offered: Fall, Spring, Summer.

FOS 2140 - Chocolate and Confections (3)

This course includes the principles involved in tempering chocolate and preparing chocolate and other confections with soft, hard and liquid centers with an emphasis on dipping and enrobing chocolates. Students will also learn the traditional and contemporary production methods in creation of confections.

Offered: Fall, Spring.

FOS 2145 - Dessert Production and Presentation (4)

This course will illustrate the fundamentals of pastry and dessert production and plating techniques utilized in restaurants.

Offered: Fall, Spring.

FOS 2146 - Advanced Cakes (3)

This course is designed to improve and enhance skills learned in introduction to cakes, 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.

Offered: Fall, Spring.

FOS 2147 - Advanced Pastry Techniques (3)

This course is a continuation of fundamental techniques. This course enables the advanced student to produce pastries including puff pastry, Danish dough, frozen desserts, tortes, choux paste, and skills developed in decorating techniques.

Offered: Fall, Spring.

FOS 2161 - Specialty Artisan Breads (4)

This course 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.

Offered: Fall, Spring.

FRE - Foreign Language (French)

FRE 1120 - Elementary French I Concentrated (4)

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.

Offered: Fall, Spring, Summer.

FRE 1121 - Elementary French II Concentrated (4)

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.

FRE 2220 - Intermediate French Reading and Conversation I (4)

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.

FRE 2221 - Intermediate French Reading and Conversation II (4)

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.

FRE 2905 - Directed Study In French (1)

Directed Study in French (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

FSS - Culinary Mgmt (Food Serv)

FSS 1063C - Baking and Lab (3)

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.

Offered: Fall, Spring.

FSS 1202C - Food Production I and Lab (3)

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.

Offered: Fall, Spring, Summer.

FSS 1222C - Food Production II and Lab (3)

Study will focus on the preparation of meats, poultry, seafood and game. Students will use a variety of cooking and preparation methods.

Offered: Fall, Spring, Summer.

FSS 1240C - Contemporary American Cuisine and Lab (3)

Preparing modern American cuisine with emphasis on regional influences and contemporary presentation techniques.

Offered: Fall, Spring, Summer.

FSS 1242C - International Cuisine and lab (3)

In this course students will study and practice classical/international menus of Europe and Asia. Special attention on flavor principles of various cuisines.

Offered: Fall, Spring.

FSS 1270 - Introduction to Craft Beer and Wine (3)

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.

Offered: Fall, Spring, Summer.

FSS 1287 - Introduction to Craft Beer Production (3)

This course is an introduction to brewing craft beer in a commercial setting. Students will learn in the classroom and lab about ingredients and selection, recipe development, materials handling, proper equipment usage and commercial brewing methods. Students will prepare pilot and quantity batches of beer.

Offered: Fall, Spring.

FSS 2210C - Food Production III and lab (3)

Study to focus on the art of advanced food preparation. Students will acquire skills in producing a variety of food items including garde manger, charcuterie, entrees and desserts. Students will execute planned meals using learned food preparation and presentation techniques.

Offered: Fall, Spring.

FSS 2284C - Catering and Buffet Management and Lab (3)

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.

Offered: Fall, Spring.

GEB - General Business

GEB 1011 - Introduction to Business (3)

Business in the modern political, social, and economic environment. Topics include entrepreneurship, accounting, finance, management, economics, and marketing.

Offered: Fall, Spring, Summer.

GEB 2351 - International Business (3)

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.

Offered: Fall, Spring, Summer.

GEB 2430 - Ethics and Social Responsibility (3)

The purpose of this survey course is to direct the student toward a professional level of ethical awareness and social responsibility. Modern day ethics are explored in a variety of settings including government, technology, and globalization. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. (Corequisite: ENC1101.)

Offered: Fall, Spring, Summer.

GEB 2905 - Directed Study in Business (1-4)

Directed Study in Business

Offered: Fall, Spring, Summer.

GEB 3213 - Business Writing (3)

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).

Offered: Fall, Spring, Summer.

GEB 4891 - Strategic Management and Decision Making (4)

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

GEB 4905 - Directed Study in Supervision and Management (1)

Directed Study in Supervision and Management

Offered: Fall, Spring, Summer.

GEB 4930 - Selected Topics in Management (3)

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. This course is repeatable for credit two (2) times.

Offered: Fall, Spring, Summer.

GEO - Geography

GEO 2000 - World Geography (3)

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.

Offered: Fall, Spring, Summer.

GEO 2420 - Cultural Geography (3)

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.

Offered: Fall, Spring, Summer.

GER - Foreign Language (German)

GER 1120 - Elementary German I Concentrated (4)

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.

Offered: Fall, Spring.

GER 1121 - Elementary German II Concentrated (4)

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.

GER 2220 - Intermediate German Reading and Conversation I (4)

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.

GER 2221 - Intermediate German Reading and Conversation II (4)

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.

GER 2905 - Directed Study in German (1)

Directed Study in German (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Fall, Spring.

GIS - Geography (Info Science)

GIS 2040C - Geographic Information Systems and Lab (3)

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.

GLY - Geology

GLY 2010C - Physical Geology and Lab (4)

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.

GLY 2100 - Historical Geology (3)

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.

GRA - Interactive Media

GRA 1543 - Graphic Design Studio (3)

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.

Offered: Spring.

GRA 2144 - Web Publishing (3)

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.

HCP - Nursing - Assistant

HCP 0750C - Phlebotomy Technician - Theory and Clinical (75)

This course is a general overview on techniques, procedures and issues related to collecting blood samples for diagnostic laboratory tests.

HCP 0940 - Internship Phlebotomy (90)

This clinical experience provides supervised learning opportunities for students to apply basic venipuncture principles and techniques under the direction of professionals in a clinical setting. The clinical component will prepare the student for entry level work with the integration of coursework.

HEV - Child Care Apprentice

HEV 0941 - Child Care Apprentice I (96)

Course designed to introduce students to rules and regulations governing child care and child development. CPR and Basic Life Saving Instruction are included.

Offered: Fall.

HEV 0941L - Child Care Apprentice I Lab (680)

Course designed for students to apply knowledge of rules and regulations governing childcare and child development.

Offered: Fall.

HEV 0942 - Child Care Apprentice II (96)

Course designed for students to develop competencies in planning, implementing and supervising developmentally appropriate activities for preschool children.

Offered: Spring.

HEV 0942L - Child Care Apprentice II Lab (680)

Course designed for students to develop competencies in establishing developmentally appropriate activities for pre-school children.

Offered: Spring.

HEV 0943 - Child Care Apprentice III (36)

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.

Offered: Summer.

HEV 0943L - Child Care Apprentice III Lab (640)

Course designed to develop competencies in implementing developmentally appropriate activities for school-age and children with special needs, and infants/toddlers, interpersonal relationships, personal and professional growth and positive guidance.

Offered: Summer.

HEV 0944 - Child Care Apprentice IV (96)

Designed to introduce the students to the concepts of personal and professional development including classroom management.

Offered: Fall.

HEV 0944L - Child Care Apprentice IV Lab (679.8)

Course designed to develop competencies in professionalism and leadership and organizational skills necessary to work in a preschool setting.

Offered: Fall.

HEV 0945 - Child Care Apprentice V (96)

Designed for students to become acquainted with characteristics of a safe, clean, healthy learning environment.

Offered: Spring.

HEV 0945L - Child Care Apprentice V Lab (680)

Course designed to develop competencies in establishing a safe, clean, healthy learning environment, including food service.

Offered: Spring.

HEV 0946 - Child Care Apprentice VI (36)

Designed for students to become acquainted with career and job opportunities and employability skills.

Offered: Summer.

HEV 0946L - Child Care Apprentice VI Lab (640)

Course designed to develop competencies in appropriate skills essential to working in child care and in managing an effective child care program.

Offered: Summer.

HFT - Hospitality Management

HFT 1000 - Introduction to Hospitality Industry (3)

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.

Offered: Fall, Spring, Summer.

HFT 1021 - Beer, Wine and Beverage Service (3)

In this course, classroom activity, discussion and lab will focus on service of beer, wine and non-alcoholic beverages common to the hospitality industry. Students will learn and practice proper procedures for selection, pricing and service.

Offered: Fall, Spring.

HFT 1213 - Beverage Sanitation and Safety (3)

In this course, students will learn industry specific procedures related to proper sanitation, safety and equipment usage in a beverage production and service facility. Bar and brewing chemical selection, storage and proper use will be emphasized.

Offered: Fall, Spring.

HFT 1261 - Hospitality Service (3)

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.

Offered: Fall, Spring.

HFT 1287 - Introduction to Craft Beer Production (3)

This course is an introduction to brewing craft beer in a commercial setting. Students will learn in the classroom and lab about ingredients and selection, recipe development, materials handling, proper equipment usage and commercial brewing methods. Students will prepare pilot and quantity batches of beer.

Offered: Spring.

HFT 1410 - Hotel Operations (3)

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.

Offered: Fall, Spring.

HFT 1860 - Beverage Operations Management (3)

This course will introduce beverage management concepts to students including safe alcohol service, product procurement, storage, inventory control, staffing and product knowledge including non-alcoholic beverages. Proper bar and beverage service equipment selection, maintenance and usage will be emphasized.

Offered: Fall, Spring.

HFT 1940C - Hospitality Practicum I (Basic) and Lab (3)

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.

Offered: Fall, Spring, Summer.

HFT 1941C - Hospitality Practicum II (Intermediate) and Lab (3)

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.

Offered: Fall, Spring, Summer.

HFT 2009 - Hospitality Professionalism (3)

This course prepares students with the academic, technical and workplace skills necessary to seek further education and employment in the hospitality industry.

Offered: Fall, Spring.

HFT 2276 - Resorts: Management and Operations (3)

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.

Offered: Fall, Spring.

HFT 2282 - Hospitality Supervision (3)

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.

Offered: Fall, Spring.

HFT 2283 - Hospitality Contract Management (3)

This 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.

Offered: Fall, Spring.

HFT 2454 - Hospitality Purchasing and Controls (3)

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.

Offered: Fall, Spring.

HFT 2500 - Hospitality Marketing (3)

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.

Offered: Fall, Spring.

HFT 2600 - Hospitality Law (3)

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.

Offered: Fall, Spring.

HFT 2671 - Event Risk Management (3)

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.

Offered: Fall, Spring.

HFT 2750 - Event Industry (3)

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.

Offered: Fall, Spring.

HFT 2780 - Introduction to Gaming Operations (3)

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.

Offered: Fall, Spring.

HFT 2804 - Introduction to Beverage Science (3)

An introduction to the science of fermentation to produce beverages including yeast propagation, harvesting and management in a professional brewery setting. Students will manage yeast used to brew commercial quantities of beer.

Offered: Fall, Spring.

HFT 2822 - Brewery Operations (3)

In this course, class lectures and lab time will focus on operating a professional brewery. Topics include purchasing, receiving, and storage of raw materials, chemicals and cleaning supplies as well. Students will develop standard operating procedures for safety, sanitation and quality control in a commercial brewery setting.

Offered: Fall, Spring.

HFT 2860 - Beverage Service Mgmt. (3)

Beverage Service Mgmt.

HFT 2867 - Wine Essentials (3)

This course covers topics related to wine including viticulture, grape varietals, production and the wine making process, identification, regional designations, and sensory evaluation.

Offered: Fall, Spring.

HFT 2942C - Hospitality Practicum III (Advanced) and Lab (3)

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.

Offered: Fall, Spring, Summer.

HFT 3373 - Event Design, Production and Technology (3)

This course is a project-oriented course that focuses on the vital components of event design and production, along with emphasizing the latest technological advancements in the event planning industry. This course will provide a comprehensive overview of the conceptual and creative applications of design as they apply to modern experiential meetings and special events.

Offered: Fall, Spring.

HFT 3700 - Tourism Management (4)

This course provides students an interdisciplinary introduction of the concepts, methods, and practices of leisure, recreation, and tourism studies. It provides an overview of the principles, practices, and philosophies that affect the cultural, social, economic, psychological, and marketing aspects of human travel and the tourism industry.

Offered: Fall, Spring.

HFT 4064 - Bar and Beverage Management (3)

This course prepares students with how to manage the bar and beverage option of a restaurant, bar, hotel, country club ? any place that serves beverages to customers. It provides students with the history of the beverage industry and showcases the appreciation of wine, beer, and spirits. Students will obtain the knowledge necessary to successfully equip, staff, manage, and market a bar and beverage establishment.

Offered: Fall, Spring.

HFT 4253 - Hotel Management (3)

This course provides students an advanced focus on the hotel industry. The course examines modern-day and futuristic trends, career opportunities, and recent innovations in the hotel industry from a management perspective. Specific emphasis will be placed on the role of the general manager, as well as the varied roles of departmental managers within the hotel and lodging industry. Topics include operations, department organization and management, benchmarking, quality control, guest service management, and financial controls of hotels.

Offered: Fall, Spring.

HFT 4277 - Club Management (3)

An introduction and orientation into the various aspects of the club management sector of the hospitality industry. Includes an in-depth study of country clubs, spa/fitness/aquatic clubs, golf and tennis clubs, and entertainment/nightclubs.

Offered: Fall, Spring.

HFT 4809 - Management of the Foodservice Industry (4)

This course prepares students with the theoretical, organizational and operational skills necessary to understand, synthesize and put into action the management philosophies and procedures of the foodservice industry. Students will learn key concepts of creating, developing, managing, and running a foodservice business, from concept to operation.

Offered: Fall, Spring.

HHD - Interior Design

HHD 1361 - Practical Interior Applications (3)

Working knowledge of window treatments, floor coverings and wall coverings. Cost estimations, reupholstery estimations and installation techniques, calculations and schedules. Students learn appropriate applications for various surface treatments.

Offered: Fall.

HIM - Health Information

HIM 1000C - Introduction to Health Information Management and Lab (3)

Introduction to the science of health information management. The professional organization, chart content and development, databases, information systems will be emphasized.

Offered: Spring.

HIM 1222C - Beginning ICD-10-CM Coding and Lab (4)

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.

Offered: Spring.

HIM 1273 - Billing and Reimbursement Methods (2)

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.

Offered: Summer.

HIM 1273L - Billing and Reimbursement Methods Lab (1)

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.

Offered: Fall.

HIM 2012 - Legal Aspects of Health Records (2)

In-depth study of the federal, state and local laws which govern the preparation and use of health records in healthcare delivery systems.

Offered: Fall, Spring.

HIM 2214 - Health Information Management Statistics (3)

This course will introduce the student to healthcare statistics and their uses in healthcare settings.

Offered: Spring.

HIM 2234C - Advanced ICD-10-PCS Coding and Lab (5)

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.

Offered: Fall.

HIM 2253C - Beginning CPT Coding and Lab (3)

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.

Offered: Summer.

HIM 2283C - Advanced CPT Coding and Lab (3)

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.

Offered: Spring.

HIM 2400 - Health Records in Alternate Settings (2)

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.

Offered: Fall.

HIM 2430 - Concepts of Diseases (4)

Given a body of medical information, students will demonstrate their ability to interpret, understand, extract, analyze and synthesize information within the medical record.

Offered: Spring.

HIM 2442 - Pharmacology and Lab (1)

This course will introduce the student to the most common drugs and laboratory tests utilized in medicine.

Offered: Summer.

HIM 2500 - Quality Assurance and Compliance (2)

This course will discuss the development of health care quality programs including performance improvement, utilization review, risk management and coding compliance.

Offered: Spring.

HIM 2512 - Health Information Systems Management (2)

This course will review the basic management functions as they apply to a Health Information Systems (H.I.S.) department.

Offered: Fall.

HIM 2652 - Electronic Health Record (2)

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.

Offered: Fall.

HIM 2800 - Coding Professional Practice Experience I (1)

This course will give the coder/biller student hands on experience in a physician or outpatient department.

Offered: Fall.

HIM 2810 - Professional Practice Experience II (2)

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.

Offered: Spring.

HIM 2820 - Professional Practice Experience III (2)

Supervised experience in a Health Information Services (HIS) department offering experience of a supervisory nature, utilization review quality assurance and overall chart flow.

Offered: Fall.

HIM 2920 - Health Information Management Seminar (2)

This course will be a capstone course. Employability skills, marketing, and review for the national certification exam will be covered.

Offered: Fall.

HIM 2930 - Special Topics in Health Information Technology (3)

This course is designed to enhance coding skills taught in the earlier coding classes for the Health Information Technology program.

Offered: Fall, Spring.

HLP - Health and Wellness

HLP 1081 - Fitness Assessment and Improvement (3)

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.

Offered: Fall, Spring, Summer.

HMV - Hospitality Mgmt (Voc)

HMV 0103 - Pastry I (75)

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.

Offered: Fall, Spring.

HMV 0104 - Advanced Pastry (75)

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.

Offered: Fall, Spring.

HMV 0145 - Wholesale Bakeshop Production (75)

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.

Offered: Fall, Spring.

HMV 0146 - Retail Bakeshop Production (75)

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 d,cor, as well as tiered cake construction, suitable for a retail bakeshop operation.

Offered: Fall, Spring.

HSC - Health Sciences

HSC 0005 - Healthcare Concepts for the Massage Therapist (90)

This course provides an overview of the current healthcare delivery system in the USA and healthcare occupations. Content includes but not limited to the use of interpersonal and communication skills with patients and other health professionals, written communication skills, insurance reimbursement, legal and ethical responsibilities.

HSC 1000 - Introduction to Health Care (3)

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.

Offered: Fall, Spring, Summer.

HSC 1421 - Health, Safety and Nutrition for the Young Child (3)

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.

Offered: Summer.

HSC 1531 - Medical Terminology (4)

This course prepares students for medically oriented careers.

Offered: Fall, Spring, Summer.

HSC 2400 - First Aid, Responding to Emergencies (3)

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.

Offered: Fall, Spring, Summer.

HUM - Humanities

HUM 2020 - Introduction to Humanities (3)

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.

HUM 2210 - Prehistory to Medieval Humanities (3)

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.

HUM 2230 - Renaissance to Postmodern Humanities (3)

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.

HUM 2740 - Humanities Overseas Study Program (3)

An opportunity to examine monuments of Western art in the classroom and in Europe. Specific attention given to interrelationships among the arts.

Offered: Summer.

HUM 2905 - Directed Study in Humanities (1)

Directed Study in Humanities

Offered: Fall, Spring, Summer.

HUM 2949 - Cooperative Education Experience in Humanities (1)

Cooperative Education Experience in Humanities

Offered: Fall, Spring, Summer.

HUN - Nutrition

HUN 1201 - Human Nutrition (3)

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.

Offered: Fall, Spring, Summer.

HUN 1203 - Culinary Nutrition (3)

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.

Offered: Fall, Spring.

HUN 1270 - Sports Nutrition (3)

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.

Offered: Fall, Spring.

HUS - Human Services

HUS 1001 - Introduction to Human Services (3)

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.

HUS 1421 - Assessment and Treatment Planning in Addictions (3)

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.

Offered: Fall, Spring.

HUS 1423 - Group Counseling in Substance Abuse (3)

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.

Offered: Fall, Spring.

HUS 1424 - Counseling for the Chemically Dependent (3)

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.

Offered: Fall, Spring.

HUS 1850 - Human Services Externship I (3)

Experiential learning in human service agencies through the practice of counseling skills and techniques. Off-campus job training and clinical supervision are required.

HUS 2050 - Introduction to Case Management (3)

This course will introduce students to the case management process which is needed for the Human Services worker to meet the service needs of their clients.

HUS 2111 - Introduction to Interpersonal Behavior (3)

This course will examine the fundamental skills of interpersonal communication. Various theories of mental health are examined and the dynamics of both normal as well as dysfunctional interactions are explored. Pending assigned course number.

Offered: Spring.

HUS 2320 - Introduction to Crisis Intervention (3)

This course will introduce students to crisis intervention theories, models, and specific interventional Therapeutic techniques. This course is designed to assist students to acquire basic helping skills in crisis Intervention counseling. Pending assigned course number.

HUS 2425 - Addictions and Treatment (3)

Addictions and Treatment

HUS 2500 - Issues and Ethics in Human Services (3)

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.

Offered: Fall, Spring, Summer.

HUS 2520 - Dynamics of Abnormal Human Behavior (3)

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.

HUS 2540 - Building Stronger Families and Communities (3)

This course provides information regarding, and an opportunity to explore the relationships and interactions between addiction, disability, gender, social and cultural factors, and the family. Orientation to evidence-based practice is reviewed and updated.

HUS 2851 - Human Services Externship II (3)

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.

IDH - Interdisciplinary Honors

IDH 2028 - Honors College Capstone Seminar (3)

This course assists students in developing an integrated understanding of their coursework and co-curricular activities by completing an independent research project and reflecting critically on it.

Offered: Spring.

IDS - Interdisciplinary Studies

IDS 2191 - The 1960's - The Era of Metamorphosis (3)

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.

Offered: Fall, Spring.

IND - Interior Design

IND 1211 - History of Architecture & Interiors (3)

Furniture history and the development of architectural styles from Antiquity to the through contemporary design. Recognition and use of different period styles in the design of historical interiors.

Offered: Fall, Spring.

IND 1233 - Studio I-Fundamentals of Interiors (3)

Introduction to interior design theory and application using design principles,color, lighting, interior furnishings, accessories and planning for functional and aesthetic settings, then presenting solutions using graphic communication skills.

Offered: Fall, Spring.

IND 1300 - Graphics of Interior Design I (3)

Basic presentation techniques with emphasis on materials and presentation boards. Oral and written communication and graphic presentation. Emphasis on marker and pencil rendering techniques.

Offered: Fall.

IND 1429 - Textiles for Commercial and Residential Interiors (3)

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.

Offered: Fall.

IND 1432 - Lighting for Interior Design (3)

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.

Offered: Spring.

IND 1935 - Building and Barrier Free Codes (3)

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.

Offered: Spring.

IND 2210 - Interior Design Studio II (3)

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.

Offered: Fall.

IND 2220 - Commercial Interior Design (3)

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.

Offered: Fall.

IND 2408 - Specialized Software for Interior Design (3)

This course provides instruction in some of the specialized software used to convey effective visual communication in the interior design industry. The 2020 Design software for kitchen and bath and Sketch-Up Pro software will offer students the additional tools needed to develop impressive industry projects as well as breathtaking portfolios.

Offered: Fall, Spring.

IND 2410 - Kitchen and Bath Design I (3)

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.

Offered: Summer.

IND 2411 - Materials and Estimating for Kitchen and Bath (3)

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.

Offered: Summer.

IND 2414 - Kitchen and Bath Design II (3)

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.

Offered: Summer.

IND 2500 - Professional Practices for the Design Industry (3)

Key topics covered in this course will be legal and ethical standards, business communication and conduct, relationship building both internal and external, and workplace etiquette. Business organization component will cover business formations, contract writing and documentation, project specification and proposals, and financial operations and record keeping. Marketing components will include resume writing, cover letters, personal branding, and both traditional and digital portfolio development.

Offered: Spring.

IND 2949 - Cooperative Education Experience in Interior Design (1)

(Prerequisite: 12 semester hours of approved Building and Architecture Technology courses and permission of the Building and Architecture Technology chairperson.) 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

Offered: Fall, Spring.

INP - Psychology

INP 1390 - Human Relations in the Workplace (3)

Designed to enhance effectiveness in the workplace through an emphasis on awareness of self and others communication technique and interpersonal skills. Individualized Instruction.

Offered: Fall, Spring, Summer.

INR - Political Science

INR 2002 - International Relations (3)

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.

Offered: Fall, Spring, Summer.

ISM - Information Systems Mgmt

ISM 2000 - Business Information Processing (3)

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.

Offered: Fall, Spring, Summer.

ISM 4011 - Introduction to Management Information Systems (4)

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.

Offered: Fall, Spring, Summer.

ITA - Foreign Language (Italian)

ITA 1120 - Elementary Italian I Concentrated (4)

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.

Offered: Fall, Spring.

ITA 1121 - Elementary Italian II Concentrated (4)

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.

ITA 2220 - Intermediate Italian Reading and Conversation I (4)

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.

ITA 2221 - Intermediate Italian Reading and Conversation II (4)

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.

ITA 2905 - Directed Study in Italian (1)

Directed Study in Italian (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

JOU - Mass Comm (Journalism)

JOU 1100 - Introduction to Journalism (3)

Designed as a basic skills and practical application course for gathering, writing, reporting and editing news in journalistic style.

JOU 2905 - Directed Study in Journalism (1)

Directed Study in Journalism (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

JOU 2949 - Cooperative Education Experience in Journalism (1)

Cooperative Education Experience in Humanities (Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

LAE - Lang Arts and English Ed

LAE 3414 - Children's Literature (3)

This course is designed to provide the pre-service teacher with the experience of exploring genres, selection, and use of children's literature in elementary schools.

Offered: Fall, Spring.

LAE 4314 - Teaching Language Arts (3)

Students will learn how to teach language arts using: methods, materials, content, organization for teaching reading, writing, listening, and speaking.

Offered: Fall, Spring.

LAE 4361 - Strategies for Literacy for Middle/High Schools (3)

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.

LIN - English Language and Lit

LIN 1670 - English Grammar, Usage and Composition (3)

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.

Offered: Fall, Spring.

LIS - Library and Info Studies

LIS 2004 - Research Strategies for College Students (1)

This course is designed to guide students through the online research process using both Internet and online library resources. Lessons include topic selection and keywords, information ethics, the information cycle, evaluating Internet information sources, and searching library databases.

Offered: Fall, Spring, Summer.

LIT - English Language and Lit

LIT 2000 - Literature and Culture (3)

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.

Offered: Fall, Spring, Summer.

LIT 2030 - Understanding Poetry (3)

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.

Offered: Spring.

LIT 2040 - Dramatic Literature (3)

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.

Offered: Fall.

LIT 2110 - Masterpieces of World Literature I (3)

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.

Offered: Fall, Spring.

LIT 2120 - Masterpieces of World Literature II (3)

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.

Offered: Spring.

LIT 2380 - Literature By Women (3)

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.

Offered: Spring.

LIT 2602 - Maritime Literature (3)

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.

Offered: Spring.

MAC - Mathematics

MAC 1105 - College Algebra (3)

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.

Offered: Fall, Spring, Summer.

MAC 1114 - College Trigonometry (3)

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.) degrree.

Offered: Fall, Spring, Summer.

MAC 1140 - Pre-Calculus Algebra (3)

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.

Offered: Fall, Spring, Summer.

MAC 2233 - Calculus for Business and Nonphysical Sciences I (3)

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.

Offered: Fall, Spring, Summer.

MAC 2311C - Calculus I and Lab (4)

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.

Offered: Fall, Spring, Summer.

MAC 2312C - Calculus II and Lab (4)

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 2311C 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.

Offered: Fall, Spring, Summer.

MAC 2313C - Calculus III and Lab (4)

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.

Offered: Fall, Spring, Summer.

MAD - Mathematics

MAD 2104 - Discrete Mathematics (3)

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.

Offered: Fall.

MAE - Mathematics Education

MAE 2801 - Elementary School Mathematics (3)

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.

Offered: Fall, Spring, Summer.

MAE 4326 - How Children Learn Mathematics (3)

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 may be offered in the FA and SP terms.

Offered: Fall, Spring.

MAE 4360 - Mathematics Instructional Analysis (3)

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.

Offered: Spring.

MAE 4803 - Mathematics Content for Elementary Grades (3)

This course is designed to prepare individuals to teach conceptually and developmentally appropriate mathematics content at the elementary grade level. Major topics include fundamental mathematical properties; algebra; fractions, ratios, and integers; measurement; data analysis; and geometry.

Offered: Fall, Spring.

MAN - Management

MAN 2021 - Principles of Management (3)

Designed to enable the student to understand and apply the following basic functions of management: planning, organizing, staffing, leading and controlling.

Offered: Fall, Spring, Summer.

MAN 3240 - Organizational Behavior (3)

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.

Offered: Fall, Spring, Summer.

MAN 3353 - Management Theory and Practices (3)

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.

Offered: Fall, Spring, Summer.

MAN 3593 - Scheduling and Logistics (3)

This course enables students to demonstrate knowledge and advanced experience in the specialized area of developing and maintaining project schedules. It also prepares students for the internationally recognized

Scheduling Professional (PMI-SP) certification exam by Project Management Institute based on experience.

Offered: Spring.

MAN 4120 - Leadership Challenges and Supervision (3)

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.

Offered: Fall, Spring, Summer.

MAN 4162 - Customer Relations for Managers (3)

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.

Offered: Fall, Spring, Summer.

MAN 4301 - Human Resource Management (3)

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.

Offered: Fall, Spring, Summer.

MAN 4504 - Operational Decision Making (3)

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.

Offered: Fall, Spring, Summer.

MAN 4520 - Quality Management (3)

This course enables students to examine the strategic role of quality within an organization, as well as strategic issues involved in managing quality. Topics include assessing customer requirements, developing customer focus, measuring quality performance and applying principles of quality management throughout the Project Life Cycle. It also prepares students for the internationally recognized,

International Association for Six Sigma Certification (IASSC) Certified Green Belt Certification.

Offered: Spring.

MAN 4535 - Business Process Analysis (3)

This course will enable students to work effectively with stakeholders to define their business requirements, shape the output of projects and drive successful business outcomes. It also prepares students for the internationally recognized Professional in Business Analysis (PMI-PBA) certification exam by Project Management Institue based on experience.

Offered: Fall.

MAN 4583 - Applied Project Management (3)

This course will enable students to effectively use industry recognized project management software. It also prepares students to take the Microsoft Project certification exam (2013 74-343).

Offered: Fall, Spring, Summer.

MAN 4584 - Project Risk Management (3)

This course will enable students to demonstrate knowledge and expertise in the specialized area of assessing and identifying project risks along with plans to mitigate threats and capitalize on opportunities. It also prepares students for the internationally recognized Risk Management Professional (PMI-RMP) certification exam by Project Management Institute based on experience.

Offered: Spring.

MAN 4741 - Agile Project Management (3)

This course will enable students to apply agile principles and practices on projects. It also prepares students for the internationally recognized Agile Certified Practicioner (PMI-ACP) certification exam by Project Management Institute based on experience.

Offered: Fall.

MAN 4900 - Capstone Project in Supervision and Management (4)

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.

Offered: Fall, Spring, Summer.

MAN 4905 - Directed Study in Supervision and Management (1)

Directed Study in Supervision and Management.

Offered: Fall, Spring, Summer.

MAP - Mathematics (Applied)

MAP 2302C - Differential Equations and Lab (3)

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 2312C with grade "C" or better or permission of chairperson or concurrent requisite MAP 2302C.) This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring, Summer.

MAP 3401 - Problem Analysis (3)

Application of Calculus in Solving Engineering Technology Problems.

Offered: Fall, Spring.

MAR - Marketing

MAR 2011 - Principles of Global Marketing (3)

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.

Offered: Fall, Spring, Summer.

MAR 2101 - Social Media Marketing (3)

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.

Offered: Fall, Spring, Summer.

MAR 2321 - Advertising (3)

An in-depth review of advertising, including consumer behavior, relationship marketing, advertising planning, media selection, public relations and integrating marketing communications.

Offered: Fall, Spring.

MAR 2720 - Digital Marketing in Business (3)

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. Course offered in alternate years.

Offered: Spring.

MAS - Mathematics

MAS 3105 - Linear Algebra (3)

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.

Offered: Spring.

MAS 3301 - Abstract Algebra (3)

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.

Offered: Fall.

MAS 4203 - Number Theory (3)

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).

Offered: Fall.

MAT - Mathematics

MAT 0018C - Mathematics I (Pre-Algebra) and Lab (4)

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. (MAT0018C cannot be used toward A.A. or A.S. degree requirements.)

Offered: Fall, Spring, Summer.

MAT 0022 - Integrated Arithmetic and Algebra (5)

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. MAT0022 cannot be used towards an A.A. or A.S. degree requirement.

Offered: Fall, Spring, Summer.

MAT 0028C - Mathematics II (Elementary Algebra) and Lab (4)

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. MAT0028C cannot be used toward A.A. or A.S. degree requirements.

Offered: Fall, Spring, Summer.

MAT 0055L - Developmental Mathematics I Lab (1)

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. MAT0055L cannot be used toward A.A. or A.S. degree requirements.

Offered: Fall, Spring, Summer.

MAT 0056L - Developmental Mathematics II Lab (2)

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. MAT0056L cannot be used toward A.A. or A.S. degree requirements.

Offered: Fall, Spring, Summer.

MAT 1033 - Intermediate Algebra (4)

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 MAT0028C with grade "C" or better or permission of chairperson).

Offered: Fall, Spring, Summer.

MAT 1033A - Intermediate Algebra (4)

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 MAT0028C with grade "C" or better or permission of chairperson).

Offered: Fall, Spring, Summer.

MCB - Microbiology

MCB 1010C - Microbiology and Lab (4)

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.

Offered: Fall, Spring, Summer.

MCB 2905 - Directed Study in Microbiology (1)

Directed Study in Microbiology

Offered: Fall, Spring, Summer.

MEA - Medical Assisting

MEA 0005 - Introduction to Medical Assisting (120.9)

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 resume, writing, cover letters and follow-up letters for interview purposes.

Offered: Fall, Spring.

MEA 0204C - Clinical Procedures for Medical Assisting and Lab (150)

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.

Offered: Spring.

MEA 0230C - Medical Terminology for Medical Assisting and Lab (120)

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.

Offered: Fall.

MEA 0231C - Anatomy and Physiology for Medical Assisting and Lab (180)

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.

Offered: Fall.

MEA 0242C - Pharmacology for Medical Assisting and Lab (120)

This course will prepare students to perform duties relevant to the administration of medications under the supervision of a physician.

Offered: Spring.

MEA 0256C - Laboratory Procedures for Medical Assisting (189)

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.

Offered: Spring.

MEA 0310C - Clerical Procedures for Medical Assisting and Lab (120)

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.

Offered: Fall.

MEA 0334C - Coding for Medical Assisting and Lab (60)

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.

Offered: Spring.

MEA 0801 - Externship for Medical Assisting (240)

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.

Offered: Summer.

MEA 0905 - Directed Study in Medical Assisting (240)

Directed Study in Medical Assisting

MET - Meteorology

MET 2010 - Meteorology (3)

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.

Offered: Fall, Spring, Summer.

MGF - Mathematics

MGF 2106 - Survey in Mathematics (3)

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 MAT0028C 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.

Offered: Fall, Spring, Summer.

MGF 2107 - Mathematics for Liberal Arts (3)

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 MAT0028C 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.

Offered: Fall, Spring, Summer.

MHF - Mathematics

MHF 4404 - History of Mathematics (3)

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.

Offered: Spring.

MKA - Marketing

MKA 2021 - Building Selling Relationships (3)

Designed for the student who holds or aspires to a sales position. Students prepare a complete sales presentation as they apply proven sales techniques. Course offered in alternate years.

Offered: Spring.

MMC - Mass Communication

MMC 1000 - Introduction to Mass Communication (3)

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.

Offered: Spring.

MNA - Management

MNA 0084 - Customer Service Representative (150)

This course develops students' customer service, human relations, communications, conflict resolution and employability skills.

Offered: Fall, Spring.

MNA 0086 - Customer Care Specialist (150)

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.

Offered: Fall, Spring.

MNA 2161 - Customer Service Management (3)

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.

Offered: Fall, Spring.

MNA 2345 - Supervision of Personnel (3)

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.

Offered: Fall, Spring.

MNA 2949 - Cooperative Education Experience in Management (1)

Cooperative Education Experience in Management

MSL - Military Science

MSL 1001 - Foundations of Officership - MSL101 (1)

A study of the defense establishment and the organization and development of the United States Army. A study of military courtesy, discipline, customs and traditions of the service. A historical perspective of the role of the different branches of the United States Army and the role they have played in the freedom of the nation. An instruction to physical readiness training. Exercises normally include M16-A1 rifle firing, rappelling training, and airmobile helicopter operations. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Fall.

MSL 1002 - Basic Leadership - MSL102 (1)

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 or successful completion of college prep courses.)

Offered: Spring.

MSL 2101 - Individual Leadership Studies - MSL201 (1)

A review of the customs and traditions of the service. The fundamentals of leadership development and the importance of understanding the principles needed for effective leadership. Requires mandatory physical training exercises which normally include M16-A1 rifle firing, rappelling training and airmobile helicopter operations. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Fall.

MSL 2102 - Leadership and Teamwork - MSL202 (1)

The fundamentals of military geography and their application in the use of navigational aids for the military forces. A study of preventive medicine countermeasures and first aid techniques that every leader must know. Requires mandatory physical training and includes both lecture and leadership laboratory. Two weekend training exercises normally include M16-A1 rifle firing, rappelling training and airmobile helicopter operations. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

Offered: Spring.

MSL 3201 - Adaptive Team Leadership - Army ROTC - MSL 301 (3)

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.

Offered: Fall.

MSL 3202 - Applied Team Leadership - Army ROTC - MSL 302 (3)

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.

Offered: Spring.

MSL 3203 - The Joint Environment - Army ROTC - MSL 399 (3)

The Joint Environment - Army ROTC - MSL 399

MSL 4301 - Adaptive Leadership - Army ROTC - MSL 401 (3)

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.

Offered: Fall.

MSL 4302 - Leadership in a Complex World - Army ROTC - MSL 402 (3)

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.

Offered: Spring.

MSS - Massage Therapy

MSS 0156 - Anatomy and Physiology for Massage Therapist I (75)

This course will study the organ systems of human body and their structure and functions. Students will begin with a basic understanding of tissues from a cellular level, progress to individual organ systems, and discuss their relationships.

Offered: Fall.

MSS 0157 - Anatomy and Physiology Massage Therapist II (75)

This course is a continuation of Anatomy and Physiology for Massage Therapist I. Students will continue to study the organ systems of human body and their structure and functions. Students will begin with a basic understanding

of tissues from a cellular level, progress to individual organ systems, and discuss their relationships.

Offered: Spring.

MSS 0215 - Statutes/Rules and Ethics (9.9)

This course examines ethical practice standards, statutes and rules of Florida Massage Practice Act and the rules of Florida Board of Massage Therapy (Chapter 480, F.S.: Chapter 64B7; Chapter 456).

Offered: Fall.

MSS 0274 - Pathology Related to Massage Therapy (45)

This course will provide students with information about 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.

Offered: Spring.

MSS 0283 - Allied Modalities I (51)

This course will provide instruction of the various uses of massage therapy in allied health. Students will learn applications within the scope of practice of massage therapy. Students will be directed to the proper resources for further inquiry and expertise.

Offered: Fall.

MSS 0284 - Allied Modalities II (51)

This course continues to instruct the uses of massage therapy in allied health with a focus on alternative therapies in eastern theories and practices. The various modalities within the scope of practice of massage therapy will be practiced. Students will be directed to the proper resources for further inquiry and expertise.

Offered: Spring.

MSS 0315 - Theory and Practice of Hydrotherapy (20.1)

This course will provide students with an understanding of the principles of theory of hydrotherapy and use of hydrotherapy modalities in therapeutic massage practices.

Offered: Spring.

MSS 0601 - Professional and Personal Development (15)

This course will prepare students for a professional career in massage therapy. Students will learn practical guidelines to establish a successful massage therapy practice, secure

entry level employment, professional presentation, fee structure, marketing strategies, and business ethics.

Offered: Spring.

MSS 0803 - Massage Theory and Clinical Practicum I (37.5)

This course will provide students with an understanding of the fundamental principles and theories of therapeutic massage therapy. Students will be instructed the proper techniques of massage manipulation, draping and body mechanics. Sanitation and professional communication will be introduced.

Offered: Fall.

MSS 0803L - Massage Theory and Clinical Practicum I Lab (121.5)

This course will provide students with an understanding of the fundamental principles and theories of therapeutic massage therapy. Students will be instructed the proper techniques of massage manipulation, draping and body mechanics. Sanitation and professional communication will be introduced.

Offered: Fall.

MSS 0804 - Massage Theory and Practicum II (37.5)

This is a continuation course of MSS0803, providing an understanding of the fundamental principles and theories of therapeutic massage therapy. Massage techniques, manipulation, draping and body mechanics will be reinforced.

Offered: Spring.

MSS 0804L - Massage Theory and Practicum II Lab (121.5)
This is a continuation course of MSS0803, providing an understanding of the fundamental principles and theories of therapeutic massage therapy. Massage techniques, manipulation, draping and body mechanics will be reinforced.

Offered: Spring.

MSS 0905 - Directed Study in Massage Therapy (30)

Directed Study in Massage Therapy

MTB - Mathematics

MTB 1348 - Applied Technical Math (3)

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.)

Offered: Fall, Spring.

MTG - Mathematics

MTG 4212 - Modern Geometry (3)

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 2312C with grade "C" or better or permission of chairperson).

Offered: Summer.

MUC - Music

MUC 2601 - Introduction to Songwriting (3)

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.

Offered: Fall, Spring.

MUH - Music History

MUH 1021 - History of Country Music (3)

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.

Offered: Fall, Spring.

MUH 2110 - Introduction to Music History and Literature (3)

This is a survey course in music history and literature from the Middle Ages to the present. There will be an emphasis placed on the development of musical forms and performing mediums as they relate to Western Art Music through the ages. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Spring.

MUL - Music

MUL 1010 - Music Appreciation (3)

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.

Offered: Fall, Spring, Summer.

MUL 2380 - Popular Music in America (3)

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.

Offered: Fall, Spring, Summer.

MUM - Music Production

MUM 1610 - Survey of Recording Technology (3)

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.

Offered: Fall, Spring.

MUM 1622 - Sound Reinforcement (3)

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.

Offered: Fall, Spring.

MUM 1634 - The Digital Audio Workstation (1)

This course is an introduction to audio recording using a Digital Audio Workstation, concentrating on the development of basic and intermediate skills on the most current software and hardware used in the recording industry.

Offered: Fall, Spring.

MUM 2600 - Audio Engineering I (3)

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.

Offered: Fall, Spring.

MUM 2600L - Audio Engineering I Lab (2)

This course is a hands on companion to MUM 2600. Students apply recording techniques in order to complete a finished mixed project.

Offered: Fall, Spring.

MUM 2601 - Audio Engineering II (3)

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.

Offered: Fall, Spring.

MUM 2601L - Audio Engineering II Lab (2)

This course is a hands on companion to MUM 2601. Students apply advanced recording techniques in order to complete a finished mixed project.

Offered: Fall, Spring.

MUM 2603 - Studio Maintenance (3)

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.

Offered: Fall, Spring.

MUM 2607 - Soundtrack Development (3)

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.

Offered: Fall, Spring.

MUM 2609 - Studio Production (3)

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.

Offered: Fall, Spring.

MUM 2611 - Live Recording Techniques (3)

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.

Offered: Fall, Spring, Summer.

MUM 2640 - Post Production Sound (3)

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.

Offered: Fall, Spring.

MUM 2630C - Sound for Media (3)

This course is an introduction to the principles of audio recording and manipulation for media applications. Students will complete work familiarizing them with the basic hardware and software used in professional settings.

Offered: Fall, Spring.

MUM 2677 - Sound Reinforcement II (3)

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.

Offered: Fall, Spring, Summer.

MUM 2700 - Survey of Music Business (3)

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.

Offered: Fall, Spring.

MUM 2716 - Automated Show Control (3)

This course presents the principles and practices of computerized control of audio, lighting, multimedia, event sequencing, and automated show control systems for indoor and outdoor entertainment venues.

MUM 2720 - Music Publishing, Copyright and Intellectual Property (3)

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.

Offered: Fall, Spring, Summer.

MUM 2722 - Artist Management (3)

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.

Offered: Fall, Spring, Summer.

MUM 2728 - Concert Production and Event Management (3)

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.

Offered: Fall, Spring, Summer.

MUM 2730 - Public Relations and Marketing for Music (3)

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.

Offered: Fall, Spring, Summer.

MUN - Music

MUN 1031 - Contemporary Music Ensemble I (1)

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.)

Offered: Fall, Spring, Summer.

MUN 1032 - Contemporary Music Ensemble II (1)

Courses in an instructional program that provide opportunities for students to participate in ensembles, including rock, pop, blues and country. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MUN 1120 - College Band (1)

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.

Offered: Fall, Spring.

MUN 1210 - Orchestra (1)

An instrumental ensemble performing works from the symphonic repertory. May be repeated three times for credit. Four hours of class per week.

Offered: Fall, Spring.

MUN 1340 - Concert Choir (1)

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.)

Offered: Fall, Spring.

MUN 1362 - Madrigal Dinner Rehearsal and Performance (1)

The class will focus on acting, singing (choral, ensemble, and solo), and role playing as they are applied to the annual Yuletide Feast productions. May be repeated one time for credit.

MUN 1410 - String Chamber Ensemble (1)

MUN 1410-2410 String Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MUN 1420 - Woodwind Chamber Ensemble (1)

MUN 1420-2420 Woodwind Chamber Ensemble. May be repeated one times for credit.

Offered: Fall, Spring.

MUN 1430 - Brass Chamber Ensemble (1)

MUN 1430-2430 Brass Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring.

MUN 1440 - Percussion Chamber Ensemble (1)

MUN 1440-2440 Percussion Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring.

MUN 1450 - Keyboard Chamber Ensemble (1)

MUN 1450-2450 Keyboard Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MUN 1460 - Mixed Chamber Ensemble (1)

MUN 1460-2460 Mixed Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MUN 1470 - Collegium Musician Chamber Ensemble (1)

MUN 1470-2470 Collegium Musician Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MUN 1480 - Guitar Chamber Ensemble (1)

MUN 1480-2480 Guitar Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MUN 1490 - Early Music Chamber Ensemble (1)

MUN 1490-2490 Early Music Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MUN 1710 - Jazz Ensemble (1)

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.)

Offered: Fall, Spring, Summer.

MUN 1711 - Jazz Combo (1)

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.

Offered: Fall, Spring.

MUN 1720 - Jazz Choir (1)

This auditioned ensemble is for a select number of students who have a desire to learn more about jazz and blues styles of singing. The class is limited to a specific number in each voice range. Local and out-of-town performances and competitions are part of the curriculum This class is for the intermediate or advanced singer and is a good fit for those wanting to fine tune their vocal ability and musical ear. Participants will gain a better understanding of reading music, understanding complex harmonies, and blending and harmonizing with other singers. May be repeated three times for credit.

Offered: Fall, Spring.

MUN 2410 - String Chamber Ensemble (1)

This course is a continuation of MUN 1410, String Chamber Ensemble. May be repeated one time for credit.

MUN 2420 - Woodwind Chamber Ensemble (1)

This course is a continuation of MUN 1420 Woodwind Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring.

MUN 2430 - Brass Chamber Ensemble (1)

This course is a continuation of MUN 1430 Brass Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring.

MUN 2440 - Percussion Chamber Ensemble (1)

This course is a continuation of MUN1440, Percussion Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring.

MUN 2450 - Keyboard Chamber Ensemble (1)

This course is a continuation of MUN1450, Keyboard Chamber Ensemble. May be repeated one time for credit.

MUN 2460 - Mixed Chamber Ensemble (1)

This course is a continuation of MUN1460 Mixed Chamber Ensemble. May be repeated one time for credit.

MUN 2470 - Collegium Musician Chamber Ensemble (1)

Collegium Musician Chamber Ensemble. May be repeated one time for credit.

MUN 2480 - Guitar Chamber Ensemble (1)

This course is a continuation of MUN1480 Guitar Chamber Ensemble. May be repeated one time for credit.

MUS - Music

MUS 1621 - Acoustics and Psychoacoustics (3)

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.

Offered: Fall, Spring.

MUS 2360 - Learning Basic Music Using the Computer (3)

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.

Offered: Fall, Spring.

MUS 2905 - Cooperative Education Experience in Music (1)

Cooperative Education Experience in Music

Offered: Fall, Spring, Summer.

MUT - Music Theory

MUT 1001 - Fundamentals of Music (3)

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.

Offered: Fall, Spring.

MUT 1121C - Music Theory I and Lab (4)

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.)

Offered: Fall, Spring.

MUT 1122C - Music Theory II and Lab (4)

Continuation of MUT 1121C 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 1121C.)

Offered: Fall, Spring.

MUT 2126C - Music Theory III and Lab (4)

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 1122C or equivalent.)

Offered: Fall, Spring.

MUT 2127C - Music Theory IV and Lab (4)

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, twohour laboratory. (Prerequisites: Appropriate placement scores, successful completion of college prep course or qualified developmental exemption and MUT 2126C or equivalent.)

Offered: Fall, Spring.

MVB - Music

MVB 1211 - Applied Music Secondary, Trumpet (1)

MVB 1211-2221 Applied Music Secondary, Trumpet. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVB 1212 - Applied Music Secondary, French Horn (1)

MVB 1212-2222 Applied Music Secondary, French Horn. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVB 1213 - Applied Music Secondary, Trombone (1)

MVB 1213-2223 Applied Music Secondary, Trombone. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 1214 - Applied Music Secondary, Baritone Horn (1)

MVB 1214-2224 Applied Music Secondary, Baritone Horn. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 1215 - Applied Music Secondary, Tuba (1)

MVB 1215-2225 Applied Music Secondary, Tuba. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 1311 - Applied Music Principal, Trumpet (2)

Applied Music, Principal, trumpet. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 1312 - Applied Music Principal, French Horn (2)

Applied Music Principal, French Horn. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 1313 - Applied Music Principal, Trombone (2)

Applied Music Principal Trombone. May be repeated one time for credit.

MVB 1314 - Applied Music Principal, Baritone Horn (2)

Applied Music Principal Baritone Horn. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 1315 - Applied Music Principal, Tuba (2)

Applied Music Principal Tuba. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 2221 - Applied Music Secondary, Trumpet (1)

Applied Music Secondary Trumpet. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVB 2222 - Applied Music Secondary, French Horn (1)

Applied Music Secondary French Horn. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 2223 - Applied Music Secondary, Trombone (1)

Applied Music Secondary Trombone. May be repeated one time for credit.

MVB 2224 - Applied Music Secondary, Baritone Horn (1)

Applied Music Secondary Baritone Horn. May be repeated one time for credit.

MVB 2225 - Applied Music Secondary, Tuba (1)

Applied Music Secondary Tuba. May be repeated one time for credit.

MVB 2321 - Applied Music Principal, Trumpet (2)

Applied Music Principal Trumpet. May be repeated one time.

Offered: Fall, Spring.

MVB 2322 - Applied Music Principal, French Horn (2)

Applied Music Principal French Horn. May be repeated one time for credit.

Offered: Fall, Spring.

MVB 2323 - Applied Music Principal, Trombone (2)

Applied Music Principal Trombone. May be repeated one time for credit.

MVB 2324 - Applied Music Principal, Baritone Horn (2)

Applied Music Principal Baritone Horn. May be repeated one time.

MVB 2325 - Applied Music Principal, Tuba (2)

Applied Music Principal Tuba. May be repeated one time.

MVK - Music

MVK 1111 - Applied Music-Group (Piano) I-II (1)

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. May be repeated one time.

Offered: Fall, Spring.

MVK 1211 - Applied Music Secondary, Piano (1)

MVK 1211-2221 Applied Music Secondary, Piano. May be repeated one time for credit.

Offered: Fall, Spring.

MVK 1212 - Applied Music Secondary, Harpsichord (1)

MVK 1212-2222 Applied Music Secondary, Harpsichord. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVK 1213 - Applied Music Secondary, Organ (1)

MVK 1213-2223 Applied Music Secondary, Organ. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVK 1311 - Applied Music Principal, Piano (2)

Applied Music Principal Piano. May be repeated one time for credit.

Offered: Fall, Spring.

MVK 1312 - Applied Music Principal, Harpsichord (2)

Applied Music Principal Harpsichord. May be repeated one time.

MVK 1313 - Applied Music Principal, Organ (2)

Applied Music Principal Organ. May be repeated one time.

MVK 2121 - Applied Music-Group (Piano) III-IV (1)

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. May be repeated one time for credit.

Offered: Fall, Spring.

MVK 2221 - Applied Music Secondary, Piano (1)

Applied Music Secondary Piano. May be repeated one time for credit.

Offered: Fall, Spring.

MVK 2222 - Applied Music Secondary, Harpsichord (1)

Applied Music Secondary Harpsichord. May be repeated one time for credit.

MVK 2223 - Applied Music Secondary, Organ (1)

Applied Music Secondary Organ. May be repeated one time for credit.

MVK 2321 - Applied Music Principal, Piano (2)

Applied Music Principal Piano. May be repeated one time.

Offered: Fall, Spring.

MVK 2322 - Applied Music Principal, French Horn (2)

Applied Music Principal French Horn. May be repeated one time.

MVK 2323 - Applied Music Principal, Organ (2)

Applied Music Principal Organ. May be repeated one time.

MVO - Music

MVO 1210 - Applied Music Secondary, Other Instruments (1)

MVO 1210-2220 Applied Music Secondary, Other Instruments. May be repeated one time for credit.

Offered: Fall, Spring.

MVO 1310 - Applied Music Principal, Other Instruments (2)

Applied Music Principal Other Instruments

MVO 2220 - Applied Music Secondary, Other Instruments (1)

Applied Music Secondary Other Instruments. May be repeated one time for credit.

MVO 2320 - Applied Music Principal, Other Instruments (2)

Applied Music Principal Other Instruments

MVP - Music

MVP 1211 - Applied Music Secondary, Percussion (1)

MVP 1211-2221 Applied Music Secondary, Percussion. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVP 1311 - Applied Music Principal, Percussion (2)

Applied Music Principal Percussion. May be repeated one time for credit.

MVP 2221 - Applied Music Secondary, Percussion (1)

Applied Music Secondary Percussion. May be repeated one time for credit.

Offered: Fall, Spring.

MVP 2321 - Applied Music Principal, Percussion (2)

Applied Music Principal Percussion. May be repeated one time.

MVS - Music

MVS 1116 - Beginning Class Guitar (1)

Class in guitar instruction designed primarily for the beginner who does not read music. Emphasis on fundamentals of reading and technique. May be repeated one time.

Offered: Fall, Spring.

MVS 1211 - Applied Music Secondary, Violin (1)

MVS 1211-2221 Applied Music Secondary, Violin. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVS 1212 - Applied Music Secondary, Viola (1)

MVS 1212-2222 Applied Music Secondary, Viola. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVS 1213 - Applied Music Secondary, Cello (1)

MVS 1213-2223 Applied Music Secondary, Cello. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVS 1214 - Applied Music Secondary, String Bass (1)

MVS 1214-2224 Applied Music Secondary, String Bass. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVS 1215 - Applied Music Secondary, Harp (1)

MVS 1215-2225 Applied Music Secondary, Harp. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVS 1216 - Applied Music Secondary, Guitar (1)

MVS 1216-2226 Applied Music Secondary, Guitar. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVS 1311 - Applied Music Principal, Violin (2)

Applied Music Principal Violin. May be repeated one time.

MVS 1312 - Applied Music Principal, Viola (2)

Applied Music Principal Viola. May be repeated one time.

MVS 1313 - Applied Music Principal, Cello (2)

Applied Music Principal Cello. May be repeated one time.

MVS 1314 - Applied Music Principal, String Bass (2)

Applied Music Principal String Bass. May be repeated one time for credit.

Offered: Fall, Spring.

MVS 1315 - Applied Music Principal, Harp (2)

Applied Music Principal Harp. May be repeated one time.

MVS 1316 - Applied Music Principal, Guitar (2)

Applied Music Principal Guitar. May be repeated one time for credit.

Offered: Fall, Spring.

MVS 2126 - Intermediate Class Guitar (1)

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: MVS 1116 or by audition.) May be repeated one time.

Offered: Fall, Spring.

MVS 2221 - Applied Music Secondary, Violin (1)

Applied Music Secondary Violin. May be repeated one time for credit.

MVS 2222 - Applied Music Secondary, Viola (1)

Applied Music Secondary Viola. May be repeated one time for credit.

MVS 2223 - Applied Music Secondary, Cello (1)

Applied Music Secondary Cello. May be repeated one time for credit.

MVS 2224 - Applied Music Secondary, String Bass (1)

Applied Music Secondary String Bass. May be repeated one time for credit.

MVS 2225 - Applied Music Secondary, Harp (1)

Applied Music Secondary Harp. May be repeated one time for credit.

MVS 2226 - Applied Music Secondary, Guitar (1)

Applied Music Secondary Guitar. May be repeated one time for credit.

MVS 2321 - Applied Music Principal, Violin (2)

Applied Music Principal Violin. May be repeated one time for credit.

Offered: Fall, Spring.

MVS 2322 - Applied Music Principal, Viiola (2)

Applied Music Principal Viola. May be repeated one time.

MVS 2323 - Applied Music Principal, Cello (2)

Applied Music Principal Cello. May be repeated one time.

MVS 2324 - Applied Music Principal, String Bass (2)

Applied Music Principal String Bass. May be repeated one time.

MVS 2325 - Applied Music Principal, Harp (2)

Applied Music Principal Harp. May be repeated one time.

MVS 2326 - Applied Music Principal, Guitar (2)

Applied Music Principal Guitar. May be repeated one time.

MVV - Music

MVV 1111 - Beginning Class Voice (1)

Students will gain a general understanding of the fundamentals of singing and vocal techniques through practical application in both group and individualized settings. May be repeated one time for credit.

Offered: Fall, Spring.

MVV 1211 - Applied Music Secondary, Voice (1)

MVV 1211-2221 Applied Music Secondary. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVV 1311 - Applied Music Principal, Voice (2)

Applied Music Principal Voice. May be repeated one time for credit.

Offered: Fall, Spring.

MVV 2121 - Intermediate Voice (1)

To cultivate learned technique and stage performance through practical application in both group and individualized settings. May be repeated one time for credit.

Offered: Fall, Spring.

MVV 2221 - Applied Music Secondary, Voice (1)

Applied Music Secondary Voice. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVV 2321 - Applied Music Principal, Voice (2)

Applied Music Principal Voice. May be repeated one time.

Offered: Fall, Spring.

MVW - Music

MVW 1211 - Applied Music Secondary, Flute (1)

MVW 1211-2221 Applied Music Secondary, Flute. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVW 1212 - Applied Music Secondary, Oboe (1)

MVW 1212-2222 Applied Music Secondary, Oboe. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVW 1213 - Applied Music Secondary, Clarinet (1)

MVW 1213 2223 Applied Music Secondary, Clarinet. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVW 1214 - Applied Music Secondary, Bassoon (1)

MVW 1214-2224 Applied Music Secondary, Bassoon. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVW 1215 - Applied Music Secondary, Saxophone (1)

MVW 1215-2225 Applied Music Secondary, Saxophone. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MVW 1311 - Applied Music Principal, Flute (2)

Applied Music Principal, Flute. May be repeated one time for credit.

Offered: Fall, Spring.

MVW 1312 - Applied Music Principal, Oboe (2)

Applied Music Principal, Oboe. May be repeated one time for credit.

Offered: Fall, Spring.

MVW 1313 - Applied Music Principal, Clarinet (2)

Applied Music Principal Clarinet. May be repeated one time for credit.

Offered: Fall, Spring.

MVW 1314 - Applied Music Principal, Bassoon (2)

Applied Music Principal Bassoon. May be repeated one time.

MVW 1315 - Applied Music Principal, Saxophone (2)

Applied Music Principal Saxophone. May be repeated one time for credit.

Offered: Fall, Spring.

MVW 2221 - Applied Music Secondary, Flute (1)

Applied Music Secondary Flute. May be repeated one time for credit.

Offered: Fall, Spring.

MVW 2222 - Applied Music Secondary, Oboe (1)

Applied Music Secondary Oboe. May be repeated one time for credit.

MVW 2223 - Applied Music Secondary, Clarinet (1)

Applied Music Secondary Clarinet. May be repeated one time for credit.

MVW 2224 - Applied Music Secondary, Bassoon (1)

Applied Music Secondary Bassoon. May be repeated one time for credit.

MVW 2225 - Applied Music Secondary, Saxophone (1)

Applied Music Secondary Saxophone. May be repeated one time for credit.

MVW 2321 - Applied Music Principal, Flute (2)

Applied Music Principal Flute. May be repeated one time for credit.

Offered: Fall, Spring.

MVW 2322 - Applied Music Principal, Oboe (2)

Applied Music Principal Oboe. May be repeated one time.

MVW 2323 - Applied Music Principal, Clarinet (2)

Applied Music Principal Clarinet. May be repeated one time.

MVW 2324 - Applied Music Principal, Bassoon (2)

Applied Music Principal Bassoon. May be repeated one time.

MVW 2325 - Applied Music Principal, Saxophone (2)

Applied Music Principal Saxophone. May be repeated one time.

NUR - Nursing

NUR 1005C - Transition into Professional Nursing and Lab (8)

The transition course introduces concepts that facilitate educational progression to professional nursing without repetition. Concepts introduced in this course build on the previous health care education and experience. The concepts are roles, health and wellness, nursing process, cultural and spiritual, family dynamics and injury utilizing the spirit of inquiry, human flourishing, nursing judgment, personal/ professional identity and systems-based care. 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.

Offered: Fall, Spring.

NUR 1010 - Foundations of Nursing Practice (3)

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.

Offered: Fall, Spring.

NUR 1020C - Nursing Process I and Lab (7)

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 and recognize basic alterations in normal. 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.

Offered: Fall, Spring.

NUR 1230C - Nursing Process III and Lab (7)

Concepts introduced in this course will provide students with the knowledge, skills and attitudes to safely care for clients with alterations in health. The concepts emphasized are physical mobility, metabolism, injury, comfort, elimination, and infection. 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.

Offered: Fall, Spring.

NUR 1322 - Maternal Child Nursing for Transition into Professional Nursing Student (3)

This course introduces concepts related to the delivery of nursing care to childbearing families for the transition into professional nursing student. Emphasis will be placed on promotion, maintenance and restoration of health of the childbearing family and builds on previous health care education and experience. Upon completion of this course students will be able to apply these concepts to families within the framework of the nursing process. On-line discussions and assignments will be focused on the childbearing family in maternal, newborn and pediatric settings.

Offered: Fall, Spring.

NUR 1423C - Nursing Process II and Lab (4)

This course introduces concepts related to the delivery of nursing care to clients and families during the prenatal, intrapartum, postpartum, newborn and pediatric/adolescent 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 and pediatric clients. Concepts introduced in this course are prenatal, intrapartum and postpartum; care of newborn; care of the pediatric client; family dynamics; and reproductive. Upon completion of the course students will be able to apply these concepts to mothers, infants and families; and pediatric/ adolescent clients within the framework of the nursing process.

Clinical experiences will be provided with the childbearing family in maternal, newborn and pediatric settings.

Offered: Fall, Spring.

NUR 2731C - Nursing Process IV and Lab (10)

The concepts in this course will provide students with the knowledge, attitude and skills to safely care for clients 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, acute-complex care environments.

Offered: Fall, Spring.

NUR 2905 - Directed Study in Nursing (1)

Directed Study in Nursing

Offered: Fall, Spring, Summer.

NUR 2940C - Nursing Process V and Lab (11)

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, mood and affective disorders, coping disorders, behaviors and developmental disorders. Students will have a team leading experience. Emphasis will be placed on clinical competencies, management of care, clinical decision making, professional behaviors, and teaching and learning. Clinical experiences will be provided with clients across the lifespan in diverse care settings. This course will culminate with a practicum experience in diverse care settings.

Offered: Fall, Spring.

NUR 2990 - Advanced Standing (10)

Advanced Standing

NUR 3065 - Health Assessment (3)

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.

Offered: Fall, Spring, Summer.

NUR 3125 - Pathophysiology (3)

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.

Offered: Fall, Spring, Summer.

NUR 3145 - Pharmacology (2)

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.

Offered: Fall, Spring, Summer.

NUR 3655 - Nursing in a Multicultural Society (3)

This course examines beliefs, values and practices of different cultures, with a focus on how culture influences health practice and health care decisions.

Offered: Fall, Spring, Summer.

NUR 3826 - Legal and Ethical Aspects of Nursing (3)

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.

Offered: Fall, Spring, Summer.

NUR 3846 - Critical Approaches to Nursing Theory (3)

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.

Offered: Fall, Spring, Summer.

NUR 4169 - Nursing Research and Evidence-Based Practice (3)

This course provides an introduction to the research process as it applies to nursing theory and practice. Emphasis focuses on understanding and applying nursing models as foundations of nursing practice, and evidence-based approaches as related to current and future nursing practice.

Offered: Fall, Spring, Summer.

NUR 4636C - Community Health Nursing and Lab (4)

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 clinical learning experience focused in the community setting.

Offered: Fall, Spring, Summer.

NUR 4827C - Leadership and Clinical Decision-Making and Lab (5)

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.

Offered: Fall, Spring, Summer.

NUR 4837 - Health Care Policy and Economics (3)

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.

Offered: Fall, Spring, Summer.

OCB - Marine Biology

OCB 2000C - Introduction to Marine Biology and Lab (4)

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.

Offered: Spring.

OCE - Oceanography

OCE 1001 - Introduction to Oceanography (3)

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.

Offered: Fall, Spring.

OCE 1001L - Introduction to Oceanography Lab (1)

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.

Offered: Spring.

OCE 2013C - Aquatic Environmental Science and Lab (4)

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.

Offered: Spring.

OCE 2905 - Directed Study in Oceanography (1)

Directed Study in Oceanography

Offered: Fall, Spring, Summer.

OCE 3014C - Oceanography: Coastal Ocean Studies in Biogeochemistry and Lab (4)

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.

Offered: Spring.

OST - Office Systems

OST 1100 - Keyboarding and Formatting I (3)

This course is an introduction to the touch system of keyboarding with emphasis on building speed and accuracy. Microsoft Word Software is used to format emails, reports, letters, memos, tables, and other business documents.

Offered: Fall, Spring.

OST 1110 - Keyboarding and Formatting II (3)

This course includes an emphasis on increasing speed and accuracy using keyboarding skills for personal and professional use. Exercises are interfaced with the production of business documents, such as business and personal letters, resumes, tables, and multi-page reports using Microsoft Word software.

Offered: Fall, Spring.

OST 1141 - Keyboarding (1)

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.

Offered: Fall, Spring, Summer.

OST 1330 - Business English (3)

This course is designed as a systematic review of English grammar, usage, mechanics, vocabulary, and spelling as they are used in business with a special emphasis on business terminology, practices and written correspondence.

Offered: Fall, Spring.

OST 1435 - Legal Terminology (3)

This course provides a general introduction to law by defining and explaining the common legal vocabulary involved in broad general principles of substantive and procedural law.

Offered: Fall, Spring.

OST 2336 - Business Communications (3)

This course covers the principles and techniques of effective communication applied to business correspondence including e-mail, letters, memos, and reports.

Offered: Spring.

OST 2401 - Basic Office Procedures (3)

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.

Offered: Fall, Spring.

OST 2431 - Legal Office Procedures (3)

This course includes a study of the legal administrative role, professional relations, legal terminology, and legal office procedures, including preparation of legal documents using automated dictation equipment. (Prerequisite: OST1100 or OST1141.)

Offered: Spring.

OST 2461 - Medical Office Procedures (3)

This course includes the study of advanced medical office procedures including professional office relations, administrative skills, preparation of medical documents and management of office operations. (Prerequisite: OST1100.)

Offered: Spring.

OST 2501 - Office Management (3)

This course includes the study of current management principles, concepts, organizational trends, technology, and human relations as related to the responsibilities of the administrative office manager.

Offered: Spring.

OST 2713 - Advanced Computer Software Applications (3)

A study of advanced concepts, features and applications of personal computers, and advanced techniques in using word processing, electronic spreadsheets and database management software.

Offered: Spring.

OST 2828 - Business Presentation Software (1)

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.

Offered: Fall.

OST 2852 - Excel for the Office (1)

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.

Offered: Spring.

OTH - Occupational Therapy

OTH 1001 - Introduction to Occupational Therapy (3)

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.

Offered: Fall, Spring.

OTH 1003 - Human Occupation Across the Lifespan (3)

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.

Offered: Fall.

OTH 1006 - Occupational Therapy Documentation (2)

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.

Offered: Spring.

OTH 1014C - Analysis of Human Movement and Lab (3)

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.

Offered: Spring.

OTH 1114C - Occupational Therapy Skills and Techniques I and Lab (2)

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.

Offered: Fall.

OTH 1800 - Occupational Therapy Practicum I (1)

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.

Offered: Spring.

OTH 1802 - Occupational Therapy Practicum II (2)

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.

Offered: Fall.

OTH 2261C - Occupational Therapy Skills and Techniques II and Lab (3)

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.

Offered: Spring.

OTH 2264C - Occupational Therapy Skills and Techniques III and Lab (3)

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.

Offered: Fall.

OTH 2300 - Psychosocial Occupational Therapy (4)

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.

Offered: Spring.

OTH 2410 - Conditions in Occupational Therapy (3)

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.

Offered: Fall.

OTH 2420C - Occupational Therapy for Physical Dysfunction (4)

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.

Offered: Summer.

OTH 2520C - Developmental Issues and Lab (3)

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.

Offered: Fall.

OTH 2704C - Advanced Practice and Professionalism for OTA (4)

This course will enable students to apply previously-learned concepts at a more complex level in preparation for full-time field-work. Clinical scenarios, such as client mobility, exercise, stress and functioning, occupations in the home setting, and use of technology, will be used to further develop students? clinical reasoning and application to client care. Professional knowledge and skills in delivery and management of OT services will be reviewed and applied. The role of skills and contributions of occupational therapy assistants (OTAs) to practice as part of inter-professional teams will be examined.

Offered: Fall.

OTH 2840 - O.T. Supervised Clinical Practice I (5)

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.

Offered: Spring.

OTH 2841 - O.T. Supervised Clinical Practice II (5)

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.

Offered: Spring.

OTH 2933 - O.T. Seminar for Clinical Practice (1)

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.

Offered: Spring.

PCB - Biological Science

PCB 2033C - Introduction to Ecology and Lab (4)

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.

Offered: Fall.

PCB 3034C - General Ecology and Lab (4)

Principles of ecology with emphasis on Florida ecosystems.

Offered: Fall.

PCB 3060 - Introduction to Genetics (3)

This course covers fundamental principles of heredity from Mendel to the present and molecular genetics of prokaryotic and eukaryotic organisms.

Offered: Spring.

PCB 3203 - Cell Physiology (3)

Physiology of cell specialization. Emphasis on comparative ultra structure, function and regulation of differentiated cell types.

Offered: Fall.

PET - Health and Wellness

PET 2084 - Personal Health and Wellness (3)

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.

Offered: Fall, Spring, Summer.

PET 2621 - Principles of Athletic Training (3)

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.

Offered: Fall.

PET 2622 - Care and Prevention of Athletic Injuries (3)

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.

Offered: Spring.

PGY - Photography

PGY 1100 - Photography I (3)

The basics of camera handling and the guidelines to better composition, including an introduction to the black and white darkroom.

Offered: Fall, Spring, Summer.

PGY 1101 - Photography as an Art Form (4)

This course emphasizes the development of conceptual and formal photographic skills through an exploration of media using assignments and demonstrations that incorporate drawing, 2D and 3D design, color theory, and practical and profession-related still photography.

Offered: Fall, Spring.

PGY 1115 - Color Theory and Processes (7)

The course emphasizes production methods and techniques for color still photography, page layout and multimedia production. The cultural, historical and contemporary aesthetics and the theory and technology of color photography will be explored through classroom demonstration, exercises and assignments.

Offered: Summer.

PGY 1201 - Introduction to Studio and Location Photography (4)

The students will explore advanced studio and location photography using a variety of camera, lighting, and image processing techniques.

Offered: Fall, Spring.

PGY 1800 - Photography and Image Making (4)

This course introduces the fundamental photographic techniques of camera operation, exposure, digital workflow and processing, image editing, scanning and print output. The basic aesthetic aspects of still photography are also explored.

Offered: Fall, Spring.

PGY 1802 - Digital Image Processing and Applications (3)

This course is a survey of current professional digital imaging and editing applications and techniques, asset management principles and the Macintosh Operating System. Fundamental techniques for capture, workflow, library and collection development and digital tools are introduced.

Offered: Fall, Spring.

PGY 2000 - History and Aesthetics Photography (3)

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.

Offered: Fall, Spring.

PGY 2107 - Commercial/Illustration Photography (4)

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.

Offered: Fall, Spring.

PGY 2210 - Professional Studio Portraiture (4)

Development of lighting skills and practice in the production of studio portraits.

Offered: Fall, Spring.

PGY 2270 - Field Survey in Professional Photography (1)

This course is 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.

Offered: Summer.

PGY 2273 - Professional Photographic Business Practices (3)

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.

Offered: Fall, Spring.

PGY 2470 - Advanced Photo Workshop (1)

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.

Offered: Fall, Spring, Summer.

PGY 2650 - Editorial Photography (4)

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.

Offered: Fall, Spring.

PGY 2750 - Introduction to Video Production (4)

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.

Offered: Fall, Spring.

PGY 2801 - Digital Photography (3)

This course introduces fundamental photography skills by engaging students in the art and craft of digital imaging. Emphasis is placed on camera operation, Macintosh computer basics, Photoshop software, printing and displaying.

Offered: Fall, Spring, Summer.

PGY 2806 - Fine Arts Digital Photography (4)

This course covers digital photographic systems and aesthetics with a focus on production techniques and creative expression.

Offered: Fall, Spring.

PGY 2930 - Special Topics in Photography (4)

Special Topics in Photography

PGY 2935 - Portfolio Workshop (1-4)

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.

Offered: Fall, Spring, Summer.

PGY 2949 - Cooperative Education Experience in Photography (1)

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.)

Offered: Fall, Spring, Summer.

PHI - Philosophy

PHI 2010 - Introduction of Philosophy (3)

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.

Offered: Fall, Spring, Summer.

PHI 2100 - Philosophy of Reasoning, Argument and Critical Thinking (3)

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.

Offered: Fall, Spring, Summer.

PHI 2600 - Introduction to Ethics (3)

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 College-Level Communication and Computation Skills (State Rule 6A-10.030) writing requirement.

Offered: Fall, Spring.

PHT - Physical Therapist

PHT 1006 - Introduction to Physical Therapy (3)

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.

Offered: Fall, Spring, Summer.

PHT 1128 - Kinesiology of PTA (4)

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.

Offered: Spring.

PHT 1251 - Patient Care Skills (2)

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.

Offered: Spring.

PHT 1251L - Patient Care Skills Lab (2)

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.

Offered: Spring.

PHT 1300 - Pathology for PTA (4)

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.

Offered: Fall.

PHT 2129 - Neuroscience for PTA (2)

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.

Offered: Summer.

PHT 2140 - Rehabilitation Skills for PTA (3)

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.

Offered: Spring.

PHT 2140L - Rehabilitation Skills Lab (1)

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.

Offered: Spring.

PHT 2211 - Modalities I (2)

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.

Offered: Summer.

PHT 2211L - Modalities I Lab (1)

Laboratory application of therapeutic modalities for superficial heat and cold, hydrotherapy, ultrasound; wound care and postural drainage as seen in the physical therapy department.

Offered: Summer.

PHT 2214 - Modalities II (1)

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.

Offered: Fall.

PHT 2214L - Modalities II Lab (1)

This laboratory course teaches the application of electrical stimulation equipment used for a variety of neurological and musculoskeletal impairments.

Offered: Fall.

PHT 2220 - Therapeutic Exercise I (3)

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.

Offered: Spring.

PHT 2220L - Therapeutic Exercise I Lab (2)

Laboratory application of therapeutic exercise techniques with the rationale for treating musculoskeletal and neurological impairments to include goniometric measurements as seenin the PT Department.

Offered: Spring.

PHT 2221 - Therapeutic Exercise II (4)

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.

Offered: Summer.

PHT 2221L - Therapeutic Exercise II Lab (2)

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.

Offered: Summer.

PHT 2235 - Therapeutic Exercise III (4)

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.

Offered: Fall.

PHT 2235L - Therapeutic Exercise III Lab (2)

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.

Offered: Fall.

PHT 2804 - PTA Clinical Practicum I (3)

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.

Offered: Fall.

PHT 2810 - PTA Clinical Practicum II (2)

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.

Offered: Spring.

PHT 2820 - PTA Clinical Practicum III (3)

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.

Offered: Spring.

PHT 2931 - PTA Seminar (3)

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.

Offered: Spring.

PHY - Physics

PHY 1020 - Energy and its Environmental Effects (3)

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.

Offered: Fall, Spring.

PHY 1053C - General Physics I and Lab (4)

First half of PHY1053C/1054C. 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.

Offered: Fall, Spring.

PHY 1054C - General Physics II and Lab (4)

Continuation of PHY1053C. 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.

Offered: Spring, Summer.

PHY 2048C - Physics with Calculus I and Lab (5)

First half of PHY2048C/2049C 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.

Offered: Fall, Spring.

PHY 2049C - Physics with Calculus II and Lab (5)

Continuation of PHY2048C. 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.

Offered: Spring, Summer.

PHY 2905 - Directed Study in Physics (3)

(Prerequisite: Appropriate placement scores, successful completion of college prep course or qualified evelopmental exemption.)

Offered: Fall, Spring, Summer.

PHY 3101 - Modern Physics (3)

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.

Offered: Fall.

PHY 3221 - Classical Mechanics (3)

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.

Offered: Spring.

PHY 3513 - Thermal Physics (Thermodynamics and Elementary Statistical Mechanics) (3)

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.

Offered: Fall.

PHY 4424 - Geometrical and Physical Optics (3)

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.

Offered: Spring.

PLA - Paralegal (Legal Assist)

PLA 1003 - Introduction to Paralegal (3)

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.

Offered: Fall, Spring.

PLA 1103 - Legal Writing and Research I (3)

This course includes the study of legal researching methods, writing techniques, and use of legal resources in preparing memoranda, legal argument, format, and legal citations. (Prerequisite ENC1101: Corequisite: PLA1003).

Offered: Spring.

PLA 1610 - Real Estate Law and Property (3)

A study of real estate transactions and conveyances such as deeds, contracts, leases, easements and closing documents and the drafting of these conveyances.

Offered: Fall.

PLA 1800 - Law of Domestic Relations (3)

A study of the fundamental principles and laws involving marriage, dissolution, separation agreements, custody, adoption, support provisions and property disposition.

Offered: Spring.

PLA 2114 - Legal Writing and Research II (3)

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.

Offered: Fall.

PLA 2200 - Introduction to Litigation, Torts and Evidence (3)

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.

Offered: Fall.

PLA 2303 - Criminal Law and the Paralegal (3)

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.

Offered: Spring.

PLA 2460 - Bankruptcy Law (3)

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.

Offered: Spring.

PLA 2600 - Probate Administration (3)

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.

Offered: Spring.

PLA 2763 - Law Office Management (3)

This course is designed to familiarize the student with the practical inner workings of a law office, including its equipment, office procedures and management.

Offered: Spring.

PLA 2880 - Constitutional Law (3)

The course is developed both topically and historically to explore 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.

Offered: Fall.

PLA 2905 - Directed Study in Legal Assisting (1 - 4)

Directed Study in Legal Assisting. This course is a variable credit course (1-4 credits). The academic department has approved it for **3** credits for the appropriate A.S. program.

PLA 2949 - Cooperative Education Experience in Legal Assisting (1-4)

Cooperative Education Training Assignment in Legal Assisting. This course is a variable credit course (1-4 credits). The academic department has approved it for **3** credits in the appropriate A.S. program. (Prerequisite: 12 semester hours of approved Paralegal Studies courses and permission of Chairperson.)

Offered: Fall, Spring, Summer.

PMT - Precision Metals

PMT 0076C - Advanced Welder II (150)
This course prepares advanced welders for entry into emerging welding industries. Students will explore career opportunities and requirements of a professional welder. Content emphasizes the advanced skill key to the success of working in the welding industry. Students will study emerging technologies as they directly relate to relevant needs of business and industry in the surrounding areas.

Offered: Fall, Spring.

PMT 0077C - Advanced Welder 1A (375)

This course prepares the student for advancement in the Welding industry. Students will be able to make ready equipment for SMAW and GMAW for open root, V-Groove pipe welds. The student will be able to understand fabrication techniques using pipefitting techniques and take-outs for pipefitting.

Offered: Fall, Spring.

PMT 0078C - Advanced Welder 1B (225)

This course prepares the student for advancement in the Welding industry. Students will be able to make ready equipment for SMAW and GMAW for open root, V-Groove Heavy Wall pipe welds. The student will be able to understand fabrication techniques using pipefitting techniques and take-outs for pipefitting. The student will also be introduced to Alloy Metals and Aluminum.

Offered: Fall, Spring.

PMT 0106C - Introduction to Welding I and Lab (90)

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.

Offered: Fall, Spring.

PMT 0109C - Introduction to Welding II and Lab (90)

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.

Offered: Fall, Spring.

PMT 0121C - Welding III (Shield Metal Arc) and Lab (90)

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.

Offered: Fall, Spring.

PMT 0131C - Welding VII (Gas Tungsten Arc) and Lab (90)

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.

Offered: Fall, Spring.

PMT 0134C - Welding V (Gas Metal Arc) and Lab (90)

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.

Offered: Fall, Spring.

PMT 0154C - Welding IV (Plasma Cut Welding and Introduction to MIG) and Lab (90)

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.

Offered: Fall, Spring.

PMT 0161C - Welding VI (Introduction to Pipe Welding) and Lab (90)

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.

Offered: Fall, Spring.

PMT 0171C - Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) and Lab (90)

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.

Offered: Fall, Spring, Summer.

PMT 0202C - Introduction to Machining and Lab (150)

This course prepares students for entry into the field of machining and the content emphasizes skills key to the success of working in the industry. Students study workplace safety, the history of manufacturing, the importance of employability and entrepreneurship skills, job-related mathematics, basic blueprint reading including geometric dimensioning and tolerancing (GD&T), basic precision measuring operations and metrology, primary and secondary manufacturing processes and systems, operating power saws, and drill presses.

Offered: Fall, Spring.

PMT 0251C - CNC Mill and Lab (150)

This is an introductory course in Computer Numerical Control programming (CNC) of CNC Vertical Milling Machines. Linear coordinate systems, and polar coordinate systems will be the main focus of study. Machine set-up, operation, part programming and toolpaths are covered extensively. Students will have the opportunity to obtain National Institute of Metalworking Skills (NIMS) CNC Milling: Programming Setup & Operations Level 1 certification.

Offered: Fall.

PMT 0260C - CAD/CAM Programming and Lab (150)

This course covers computer-aided design/computer-aided manufacturing (CAD/CAM) operations for both introductory and advanced training, which utilizes computer software to design and draw 2-D and 3-D geometry. Students will create machine tool paths from original drawings and transferred files. The course is structured around relevant industry software.

Offered: Spring.

PMT 0720C - CNC Lathe and Lab (150)

This is an introductory course in Computer Numerical Control (CNC) programming of CNC Lathe Machines. The main focus of study will be linear coordinate systems and polar coordinate systems. Machine set-up, operation, part programming and toolpaths are covered extensively. Students will have the opportunity to obtain National Institute of Metalworking Skills (NIMS) CNC Lathe: Programming Setup & Operations Level 1 certification.

Offered: Fall, Spring, Summer.

POS - Political Science

POS 2001 - Introduction to Political Science (3)

A study of current political and economic issues in the United States, including international cases affecting American society. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree. FA, SP, SU

POS 2041 - American Federal Government (3)

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.

Offered: Fall, Spring, Summer.

POS 2112 - State and Local Government (3)

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.

Offered: Spring.

POS 2930 - Russian Politics and Foreign Policy (3)

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.

Offered: Fall, Spring.

PPE - Psychology

PPE 2001 - Survey of Personality (3)

Survey of Personality

Offered: Spring.

PRN - Nursing - Practical

PRN 0004C - Introduction to Nursing and Lab (457.5)

Foundation course related to 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.

Offered: Fall.

PRN 0042C - Neuromuscular Sensory Nursing and Lab (174)

This course focuses on advanced concepts of nursing practice as they apply to clients experiencing alterations in musculoskeletal, nervous and sensory systems.

Offered: Summer.

PRN 0090 - Nursing Assistant (120)

Prepares individuals to perform selected tasks related to patient care in long-term care, subacute, assisted living facilities and home health areas under the supervision of a licensed nurse. Four hours of HIV/AIDS education and one hour of domestic violence education and two hours medical errors will be included. Students who satisfactorily complete the program will be eligible to take the state certification examination for nursing assistants.

Offered: Fall, Spring, Summer.

PRN 0120C - Maternal/Child Health Nursing and Lab (174)

This course provides an introduction to the role of the practical nurse providing care to the childbearing, childbearing family, newborn and pediatric patient. 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.

Offered: Summer.

PRN 0207C - Medical-Surgical Nursing I and Lab (455)

Learning activities will emphasize nursing techniques, communication skills, problem solving, role responsibility, and employability skills in selected areas of nursing practice. Includes disorders of the following systems: (1) respiratory, (2) circulatory, (3) renal/urinary, (4) reproductive, (5) gastrointestinal, (6) endocrine, and (7) immune.

Offered: Spring.

PRN 0904 - Directed Study in Practical Nursing (30)

Directed Study in Practical Nursing

Offered: Fall, Spring, Summer.

PSB - Psychology

PSB 2442 - Addictions I - Psychology of Addictions (3)

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.)

Offered: Fall, Spring.

PSC - Physical Sciences

PSC 1121 - Physical Science (3)

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.

Offered: Fall, Spring, Summer.

PSY - Psychology

PSY 1012 - General Psychology (3)

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.

Offered: Fall, Spring, Summer.

PSY 2905 - Directed Study in Psychology (3)

Directed Study in Psychology (Prerequisite:Appropriate placement scores, successful completion of college prep course or qualified developmental exemption.)

Offered: Fall, Spring, Summer.

PSY 2931 - Special Topics in Intimate Relationships (3)

This course provides students with an opportunity to explore, research, observe, and discuss problems, current and historical issues, and emerging trends in psychology and society as they pertain to intimate relationships. Students will be introduced to contemporary research findings inintimacy, marriage, divorce, and human sexuality.

Offered: Fall, Spring.

PSY 2932 - Special Topics in Research Methods in Psychology (3)

This course is designed to introduce students to the basic principles and elements of research. Focus areas will include the application of the scientific method, empiricism, experimental control, validity, reliability, variance, descriptive and inferential statistics, population distributions, qualitative research techniques and applications, parametric and non-parametric statistics. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree. FA, SP

Offered: Fall, Spring.

PSY 2933 - Special Topics in Clinical Psychology (3)

This course introduces students to the science, theories and practices of clinical psychology, highlighting the varied and dynamic areas of the discipline.   This is a beneficial course for those students that are seriously considering psychology as a career path.

Offered: Fall, Spring.

PSY 2934 - Special Topics in Forensic Psychology (3)

Special Topics in Forensic Psychology

PSY 2935 - Special Topics in Parenting and Family Dynamics (3)

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.

Offered: Fall, Spring.

PSY 2936 - Special Topics in Comparative Psychology (3)

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.

Offered: Fall, Spring.

PSY 2937 - Special Topics in Persuasion and Prejudice (3)

Provides an opportunity to understand, analyze, and evaluate significant issues within social relationships. Students explore contemporary research in the nature of

groups, prejudice, intergroup relations, social influence, and persuasion.

Offered: Fall, Spring.

QMB - Quant Methods in Business

QMB 1001 - Business Math (3)

This course involves analytical treatment of practical business financial problems concerning interest, payrolls, financial statement analysis, buying and selling goods, consumer credit, etc., using calculators.

Offered: Fall, Spring.

RED - Lang Arts and English Educ

RED 3012 - Principles of Reading (3)

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 may be offered in the FA or SP term.

Offered: Fall, Spring.

RED 3309 - Early and Emergent Reading K-2 (3)

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.

Offered: Fall, Spring.

RED 4511 - Intermediate Literacy, Reading and Thinking (3)

The purpose of this course is to discuss procedures as well as material selection to effectively implement reading in intermediate grade classrooms.   This class requires field experience in all intermediate grade settings. This course may be offered in FA or SP term.

Offered: Fall, Spring.

RED 4519 - Diagnosis, Intervention in Reading (3)

The purpose of this course is to introduce formal and informal methods and materials used to identify reading strengths and weaknesses of students. Emphasis is placed on diagnosis of reading problems, administration of assessments, evaluation of results and planning instructional interventions to remediate reading difficulties. This course requires field experience in the public schools.

RED 4844 - Reading Practicum (3)

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. Field service in a public school required. This course may be offered in the FA, SP or SU term.

Offered: Fall, Spring.

REL - Religion

REL 2300 - World Religion (3)

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.

Offered: Fall, Spring, Summer.

RET - Respiratory Care

RET 1025C - Principles of Respiratory Care and Lab (4)

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)

Offered: Fall.

RET 1026C - Basic Equipment of Respiratory Care and Lab (3)

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.)

Offered: Fall.

RET 1264C - Advanced Equipment of Respiratory Care and Lab (3)

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.

Offered: Spring.

RET 1265C - Mechanical Ventilation and Lab (4)

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.

Offered: Spring.

RET 1295 - Chest Medicine (3)

A study of diseases and clinical entities commonly encountered in patients needing respiratory care.

Offered: Spring.

RET 1450 - Basic Physiologic Monitoring (3)

A study of diagnostic techniques and instrumentation, including pulmonary function, electrocardiogram, and other related procedures.

RET 1485 - Cardiopulmonary Anatomy and Physiology (4)

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.)

Offered: Fall.

RET 1874 - Clinical Respiratory Care I (4)

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.

Offered: Summer.

RET 1875 - Clinical Respiratory Care II (4)

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. SOAP forms 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.

Offered: Fall.

RET 2244 - Life Support (3)

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.

Offered: Fall.

RET 2350 - Cardiopulmonary Pharmacology (4)

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.

Offered: Spring.

RET 2714 - Neonatal and Pediatric Respiratory Care (3)

This course introduces the evolving field of Pediatric and Neonatal Respiratory Care to include the assessment and treatment of the newborn and pediatric patient.

Offered: Fall.

RET 2876 - Clinical Respiratory Care III (4)

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.volunteer portfolio.

Offered: Fall.

RET 2877 - Clinical Respiratory Care IV (4)

The students continue their critical care rotations, exposure to special care areas adding skilled nursing facilities, long term care, pulmonary rehabilitation, pulmonary function testing laboratories and neonatal/ pediatric areas. Students also complete case studies for oral presentation. As a final project, students will write a term-quality research paper on a pre-approved topic relevant to the practice of respiratory care.

RET 2934 - Respiratory Care Seminar (3)

This capstone course presents clinical simulations and future implications of respiratory care therapies. This seminar course also provides a review of all materials learned throughout the 5 semester program. Self-assessment advanced practitioner examinations are administered throughout and as a conclusion to this course. Resume writing and interview skills are also covered.

Offered: Spring.

RMI - Insurance

RMI 2001 - Principles of Risk Management and Insurance (3)

This course covers basic principles and concepts of risk management as it relates to personal and business environments and includes insurance contracts and policy analysis. Major areas of instruction include property/casualty, life, and health contingency risks.

Offered: Fall, Spring.

RMI 2110 - Personal Insurance Planning (3)

This course introduces students to methods of analysis and handling of personal risk exposures, including insurance coverage alternatives. Additional topics include, life, health and accident, property and liability, profit sharing, and private and government social insurance and pension programs.

Offered: Spring.

RMI 2212 - Personal and Business Property Insurance (3)

This course provides an overview of personal and business property risks and coverages, which may be used in dealing with these risks, including the underwriting, marketing and social problems associated with these coverages. Additional topics include commercial and residential fire insurance, inland marine and transportation coverages, and multi-peril contracts.

Offered: Spring.

RTE - Radiography

RTE 1000 - Fundamentals of Radiologic Technology (1)

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.

Offered: Spring.

RTE 1001 - Medical Terminology for Radiographers (1)

Medical Terminology for Radiographers

Offered: Summer.

RTE 1418 - Radiographic Exposures and Processing (2)

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.

Offered: Spring.

RTE 1457 - Radiographic Exposures II (2)

Radiographic Exposures II

Offered: Summer.

RTE 1503 - Radiographic Procedures I (2)

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.

Offered: Spring.

RTE 1503L - Radiographic Procedures Lab I (1)

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.

Offered: Spring.

RTE 1513 - Radiographic Procedures II (2)

Radiographic Procedures II

Offered: Summer.

RTE 1513L - Radiographic Procedures Lab II (1)

Radiographic Procedures Lab II

Offered: Summer.

RTE 1523 - Radiographic Procedures III (4)

This course is a continuation of Radiographic Procedures II, with emphasis on the vertebral column, cranium and special projections for each system, and study of fluoroscopic and tomographic equipment. The course also provides students with critical thinking and problem solving methods to be utilized in image evaluation to assure appropriate anatomy and/or pathology demonstrated on properly positioned images with high image quality. Students also gain knowledge in performance of repeat analysis.

Offered: Fall.

RTE 1804 - Radiographic Clinical Education I (4)

This course will introduce students to a supervised clinical education experience in performing radiographic

procedures with an emphasis on competency evaluations in the respiratory, appendicular and abdominal anatomy.

Offered: Summer.

RTE 1814 - Radiographic Clinical Education II (3)

Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation in the appendicular, axial skeleton and contrast studies.

Offered: Summer.

RTE 1824 - Radiographic Clinical Education III (5)

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.

Offered: Fall.

RTE 2385 - Radiation Biology and Protection (2)

Radiation Biology and Protection

Offered: Spring.

RTE 2563 - Selected Radiographic Special Procedures I (3)

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.

Offered: Spring.

RTE 2573 - Selected Radiographic Special Procedures II (3)

Selected Radiographic Special Procedures II

Offered: Summer.

RTE 2613 - Radiation Physics I (3)

This course covers the physics of diagnostic imaging including analysis and synthesis of energy and matter and their relationship. Students will embark on a detailed study of the atom and the components needed for the production of X radiation. Extensive study of the components involved in imaging systems with tests and procedures to evaluate them will be a focus. State and Federal regulations/guidelines will be discussed. Basic pharmacology will also be instructed during this course.

Offered: Spring.

RTE 2623 - Radiation Physics II (3)

A continuation of Radiation Physics with emphasis on the X-ray tube, equipment, x-ray production and interactions with matter.

Offered: Fall.

RTE 2782 - Radiographic Pathology (1)

This course provides knowledge of pathologic conditions seen radiographically and their effects on technique and positioning.

Offered: Spring.

RTE 2834 - Radiographic Clinical Education IV (5)

Radiographic Clinical Education IV

Offered: Spring.

RTE 2844 - Radiographic Clinical Education V (4)

This course is a supervised clinical education experience in performance of radiographic procedures with an emphasis on competency evaluation in specialized procedures. This course covers CT, MRI, Invasive Radiology, Surgery (Mobile), Radiation Therapy (optional), Nuclear Medicine, Mammography (optional), Cardiac Cath, Ultrasound, Interventional Procedures and in-services on osteoporosis exams.

Offered: Fall.

RTE 2854 - Radiographic Clinical Education VI (6)

This course will involve supervised clinical education in performance of radiographic procedures with an emphasis on Final Competency Exams.

Offered: Spring, Summer.

RTV - Mass Comm (Radio TV))

RTV 1000C - Fundamentals of Broadcast Production and Lab (4)

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.

Offered: Fall, Spring.

RTV 1510C - Studio Television Production and Lab (4)

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.

Offered: Fall, Spring.

RTV 1670 - Television Directing (3)

The course presents the methods and techniques used to plan, produce and direct entertainment and informational programs and short subject in the broadcast media that prepare individuals to function as professionals in broadcast and production media.

Offered: Fall, Spring.

RTV 2104 - Broadcast Research/Newswriting/Presentation Skills (3)

Basic instruction and practice in news gathering, writing and announcing for radio and TV. Students will create a video portfolio of live performances.

Offered: Spring.

RTV 2241 - Producing for Television (3)

This course teaches students preproduction methods for a live television broadcast. Students will plan all phases of the production including the concept, format, and audio and visual elements.

Offered: Fall, Spring.

RTV 2290 - Selected Topics in Remote Sports Production (3)

This Selected Topics course prepares students to work advanced production positions on live and recorded productions. The topics covered include preproduction, production and post-production skills.

Offered: Fall, Spring.

RTV 2534 - Electronic Field Production (3)

This course offers students an opportunity to advance their field production skills in videography, audio recording, and lighting. The course also requires students to practice advanced non-linear production skills, graphics creation, producing and directing.

Offered: Fall, Spring.

RTV 2540 - Workshop in Studio Production (3)

The Workshop in Studio Production course will enable students to prepare a studio for a production, create a television program, and post-produce the program for broadcast and internet distribution.

Offered: Fall, Spring.

RTV 2541C - Team Media Production and Lab (4)

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.

Offered: Fall, Spring.

RTV 2600C - Acting for the Lens and Camera and Lab (3)

This course introduces students to blocking and performance techniques for live and taped television productions.

Offered: Fall, Spring.

RTV 2940 - Practicum for Television Broadcasting (4)

This course offers students an opportunity to advance their live remote production skills. Topics will include videography, audio, graphics, replay, prompting, and lighting.

Offered: Fall, Spring.

RTV 2949 - Cooperative Education Experience in Radio and Television (1)

Cooperative Education Experience in Radio and Television

SBM - Management (Small Bus)

SBM 2000 - Small Business Management (3)

A step-by-step presentation of how to manage and operate a small business. The areas covered include developing a business plan, securing financing, site location, and marketing.

Offered: Fall, Spring.

SCE - Science Education

SCE 3310 - Teaching Science in the Elementary School (3)

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.

SCE 4360 - Science Instructional Analysis (3)

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.

SLS - Student Life Skills

SLS 1101 - College Resources (1)

This course is designed to assist first year students to enhance their knowledge and use of academic resources at Daytona State College. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree. FA, SP, SU

SLS 1122 - Managing Your Success (3)

This course is designed to prepare students for their future courses at the College and the professional setting that follows. A hands-on approach orients students to college resources, academic expectations, career/academic planning, study skills, time/money management, interpersonal skills, and basic technology skills. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring, Summer.

SLS 1127 - Faculty Peer Mentoring Experience for Marine and Environmental Science Programs (0)

Students are socialized into the Institute of Marine and Environmental Studies (IMES). Students will enter and participate in a mentoring relationship where the mentor will assist the student awareness of IMES courses, lab and field-research skills to increase success in Marine Environmental Science programs.

Offered: Fall, Spring.

SLS 1130L - DSC Basics (0)

This course will highlight need-to-know first semester college policies, services, campus locations and suggestions to prepare for the first day of class.

SLS 2281 - Diversity, Culture and Communication (3)

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.

Offered: Fall, Spring, Summer.

SLS 2300 - Academic and Occupational Research (1)

This course emphasizes the development of realistic goals through investigation of academic program requirements, transfer options, career qualifications and alternative related professions.

Offered: Fall, Spring, Summer.

SLS 2301 - Career Development (3)

This course provides an overview of career interests, values, aptitude, career and academic program exploration and employability skills including job search planning.

Offered: Fall, Spring, Summer.

SLS 2303 - Job Search and Employability Skills (1)

This course emphasizes student preparation for industry trends and standards related to resumes, applications, cover letters, and interviews.

Offered: Fall, Spring, Summer.

SLS 2304 - Career Exploration and Decision Making (1)

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.

Offered: Fall, Spring, Summer.

SLS 2505 - Critical Thinking (3)

This course is designed to assist students in exploring their individual thinking and reasoning processes, including how personal views, beliefs, and attitudes about the world are developed and changed. It examines argumentation, flawed and faulty thinking, forms of credibility and expertise, critical thinking in relation to effective communication, and how cultural contexts shape assumptions as well as conclusions.

This course contributes to satisfying Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills (formerly known as the Gordon Rule), and helps satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring, Summer.

SLS 3355L - Orientation to Education Programs Lab (0)

The purpose of this course is to introduce students to the School of Education department processes and overall expectations for disposition for teaching. Pre-service teachers will learn how coursework relates to meeting the Florida Department of Education requirements for teacher certification and how to ensure they remain a satisfactory candidate for graduation. This course is a one day, two hour orientation offered during the FA and SP terms.

Offered: Fall, Spring.

SMT - Science and Mathematics Education

SMT 4301 - Classroom Interaction in Math and Science Teaching (3)

The purpose of this course is to examine the interaction between teachers, students, and content in secondary math and science classrooms. Preservice teachers will gain an understanding of how these interactions build student knowledge and success in the math and science subject areas. The preservice mathematics and science teachers will gain the knowledge and skills necessary to become reflective and effective practitioners in grades 6-12. This course requires field experience in a secondary public school.

Offered: Spring.

SOP - Psychology

SOP 2002 - Introduction to Social Psychology (3)

The function of individuals in social groups, with emphasis upon communications, persuasion, attitudes and other practical applications.

SOP 2772 - Psychology of Human Sexuality (3)

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.)

Offered: Spring.

SOS - Soil Science

SOS 2006 - Introduction to Soil Science (3)

Students will learn topics in soil and water science, including soil physical characteristics, soil fertility and the influence of nutrients on growth of plants.

Offered: Spring.

SPC - Speech Communication

SPC 2511 - Argumentationand Debate (3)

The principles of argumentation, including analysis, evidence, inference and refutation, and their application to issues of current public interest through the practice of team debates. FA

SPC 2608 - Oral Communications/Research/Presentation Skills (3)

This course covers the basic principles of speech communication, including practice with various types and methods of oral expression.

This course also helps develop the general education outcomes of (1) critical/creative thinking; (2) communication; (3) cultural literacy; and (4) information and technical literacy.

Offered: Fall, Spring, Summer.

SPN - Foreign Language (Spanish)

SPN 1120 - Elementary Spanish I Concentrated (4)

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.

Offered: Fall, Spring, Summer.

SPN 1121 - Elementary Spanish II Concentrated (4)

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.

Offered: Fall, Spring, Summer.

SPN 2220 - Intermediate Spanish Reading and Conversation I (4)

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.

Offered: Fall.

SPN 2221 - Intermediate Spanish Reading and Conversation II (4)

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.

Offered: Spring.

SPN 2905 - Directed Study in Spanish (1)

Directed Study in Spanish

SSE - Social Studies Education

SSE 3312 - Teaching Social Studies (3)

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 service-learning project in the field experience of approximately 15 hours.

Offered: Fall, Spring.

STA - Statistics

STA 2023 - Elementary Statistics (3)

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.

Offered: Fall, Spring, Summer.

STA 4024 - Statistics II (3)

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).

Offered: Spring.

STS - Surgical Tech Studies

STS 0003 - Introduction to Surgical Technology (60.9)

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.

Offered: Fall.

STS 0008 - Pharmacology for Surgical Technology (45)

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.

Offered: Fall.

STS 0120 - Surgical Specialities I (66)

Introduction to various surgical specialties and procedures along with specified human anatomy of the area where the surgical procedure is performed.

Offered: Fall.

STS 0121 - Surgical Specialities II (88.2)

Introduction to additional surgical specialties and specific human anatomy of the area in which the surgical procedure is performed.

Offered: Spring.

STS 0122 - Surgical Specialities III (34.8)

Introduction to the final group of complex surgical specialties and procedures along with specific anatomy of the area where the surgical procedure is performed.

Offered: Summer.

STS 0155 - Surgical Techniques and Procedures (96)

A supervised, well-structured laboratory learning experience in the specialized field of operating room services and patient care.

Offered: Fall.

STS 0155L - Surgical Techniques and Procedures Lab (111)

A supervised, well-structured laboratory learning experience in the specialized field of operating room services and patient care.

Offered: Fall.

STS 0255L - Surgical Procedures Clinical I (192)

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.

Offered: Fall.

STS 0256L - Surgical Procedures Clinical II (375)

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.

Offered: Spring.

STS 0257L - Surgical Procedures Clinical III (156)

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.

Offered: Summer.

STS 1302 - Introduction to Surgical Technology (3)
This course introduces the students to surgery and the professional roles and responsibilities of the surgical team members, with focus on the surgical technologist in the various healthcare settings. Course discussion will include the design of the operating room, traffic patterns, areas of the operating room, physical components, and procedural and environmental safety.

Offered: Fall.

STS 1303 - Fundamentals of Surgical Technology (3)
This course introduces the discipline of surgical technology and the role of the surgical technologist in preventing perioperative disease transmission. The course introduces microbiology to include the characteristics and activities of microorganisms. It surveys the various microbial groups, especially the bacteria, viruses and fungi with emphasis on pathogenic forms. Various significant aspects of infectious disease that occur in humans are also covered. The course will also include an introduction to principles of perioperative care, asepsis/infection control, proper disinfection, assembly, and sterilization processes for instrumentation following surgical procedures.

Offered: Fall.

STS 1304L - Operating Room Techniques Laboratory (3)
This course will provide the student with the fundamentals of surgical technology. Topics covered will include operating room furniture, equipment, and supplies used during surgery. The preparation of the operating room, surgical scrub, gowning and gloving, development of the sterile field, patient positioning, surgical skin prep, and draping will be included and will be part of the lab practical exam. Students will be required to simulate a surgical procedure from start to finish. A satisfactory performance is MANDATORY as a prerequisite to the clinical rotations that follow.

Offered: Spring.

STS 1307 - Surgical Equipment and Instrumentation (3)

This course introduces and prepares the students for the roles of the surgical technologist, the scrub role during surgical procedures, identification of basic surgical instrumentation, passing of the instruments, proper care, reprocessing of instruments following a surgical procedure, and utilizing equipment in the operating room. Students will also learn about surgical wounds, proper tissue handling techniques, wound closure, wound healing, suture material, and stapling devices.

Offered: Fall.

STS 1308 - Perioperative Patient Care Concepts (3)
This course will introduce the student to the needs of the surgical patient, with a focus on the special needs patient care concept, which includes adult, pediatric, geriatric, bariatric patients. Discussion will also include types of consents, transportation and transfer of the surgical patient, preoperative patient routines, positioning, safety issues, and death and dying will be included.

Offered: Spring.

STS 1323 - Surgical Procedures I (3)
This course is designed to prepare students for surgical procedures by providing instruction on diagnostic procedures and relevant equipment, supplies, and techniques. The course will also include the review of surgical anatomy, physiology, pathophysiology, relevant equipment, supplies, and techniques regarding general surgery, endoscopic surgery, gynecological and obstetrical surgery, genitourinary surgery, orthopedic surgery, and ophthalmic surgery.

Offered: Spring.

STS 1327L - Principles and Practices of Surgical Technology Laboratory (2)
This course is an introduction to surgical instrumentation, to include identification, classifications, selection, passing, proper care, and handling equipment and supplies. The course will include proper care, disinfection, assembly, and sterilization processes for instrumentation following surgical procedures. The decontamination of the operating room will be covered. Hands-on-experience in the Sterile Processing Department at local hospitals will be included in the course.

Offered: Fall.

STS 1931 - Surgical Technology Special Topics Seminar (2)
This course provides a review of all materials covered throughout the five-semester program. Certification examination process are covered. Employability skills are also covered.

Offered: Spring.

STS 2179 - Surgical Biomedical Fundamentals (2)
This course teaches the skills necessary to function as a surgical technologist in the operating room including principles of aseptic technique, and a basic understanding of robotics and their use in the operating room setting. In addition, an understanding of the principles of physics and electricity as it relates to the operating room environment will be covered.

Offered: Spring.

STS 2324 - Surgical Procedures II (3)
This course is designed to prepare students for specialty surgical procedures including the review of surgical anatomy, physiology, pathophysiology, relevant equipment, supplies, and techniques regarding otorhinolaryngological surgery (ear, nose, and throat/ENT), oral and maxillofacial surgery, plastic and reconstructive surgery, cardiothoracic surgery, peripheral vascular surgery, neurosurgery, transplant and trauma surgery. The depth of coverage is determined by the current edition of the core curriculum for surgical technologists published by the Association of Surgical Technologists.

Offered: Fall.

STS 2340 - Surgical Pharmacology (2)
This course introduces 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.

Offered: Fall.

STS 2360 - Professional Skills for the Surgical Technologist (2)
This course will cover professional management, communication skills and teamwork, ethical and moral issues in the healthcare setting, and legal issues and risk management.

Offered: Spring.

STS 2944 - Surgical Clinical I (3)
This course is the first in a series of three clinical courses. The course will introduce the surgical clinical environment, provide the ability to begin utilizing skills acquired during previous lab courses, and implement the principles of aseptic technique while participating in the role of a surgical technologist.

Offered: Summer.

STS 2945 - Surgical Clinical II (3)
This course is the second in a series of three clinical courses. In this course students will concentrate their clinical experience on circulating and scrubbing in on all phases of specialty surgical cases, assisting in the in the use of special instruments, procedures, and surgical equipment. The student will also focus on obtaining the required surgical cases in the appropriate role as a surgical technologist.

Offered: Fall.

STS 2946 - Surgical Clinical III (3)
This course is the third in a series of three clinical courses. In this course students will concentrate their clinical experience on scrubbing in on general and specialty surgical cases, assisting in the use of special instruments, procedures, and surgical equipment. The student will also focus on obtaining the required surgical cases in the appropriate role as a surgical technologist.

Offered: Spring.

SWS - Soil and Water Sciences

SWS 2007 - The World of Water (3)

This is an introductory course addressing the roles of water in the environment. Topics range from basic properties of water, importance of water, development of human civilizations, and worldwide distribution of water and its importance to Earth's ecosystems.

Offered: Spring.

SYG - Sociology

SYG 2000 - Introduction to Sociology (3)

A systematic and scientific study of social behavior, including social organization, culture, deviance, cultural behavior and social institutions. This course contributes to satisfying the College-Level Communication and Computational Skills (State Rule 6A-10.030) writing requirement.

This course also helps develop the general education skills of (1) Critical/Creative Thinking; (2) Communication; (3) Cultural Literacy; and (4) Information and Technical Literacy.

Offered: Fall, Spring, Summer.

SYG 2010 - Social Problems and Deviance (3)

A study of major social problems and deviance in American society emphasizing causes, consequences and means of coping with these conditions and comparisons with other societies. This course also helps develop the general education skills of (1) Critical/Creative Thinking; (2) Communication; (3) Cultural Literacy; and (4) Information and Technical Literacy.

Offered: Fall, Spring, Summer.

SYG 2430 - The American Family (3)

Investigation of the issues, changes and trends surrounding the contemporary American family. Findings from the field of family sociology will be compared to life experiences of students.

Offered: Fall, Spring.

TAX - Accounting

TAX 2000 - Personal Income Tax (3)

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.

Offered: Fall, Spring.

THE - Theatre Arts

THE 1000 - Theatre Appreciation (3)

An introduction to all the basic aspects of theater, including the play, the playwright, the actor, settings, and historical periods using a Golden Ages approach. This course contributes to satisfying the Gordon Rule (State Rule 6A-10.030) writing requirement. Attendance at productions required. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring, Summer.

THE 1035 - Dramatics I (Acting) (3)

Dramatics I (Acting)

Offered: Fall, Spring.

THE 1036 - Advanced Acting II (3)

Basic scene study focusing on script analysis. Students will llearn to recognize themes, dramatic structure, and metaphor.

Offered: Fall, Spring.

THE 2037 - Advanced Acting III (3)

Exploration and development of a range of fundamental tools of the acting process with particular emphasis on actions, objectives, imagination, and collaborative theatre production and performance.

Offered: Fall, Spring.

THE 2038 - Advanced Acting IV (3)

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.

Offered: Fall, Spring.

TPA - Theatre Arts

TPA 2200 - Stagecraft (3)

A study of the basic principles of set design, stage carpentry and props construction, with emphasis on performance construction/support.

Offered: Spring.

TPP - Theatre Arts

TPP 2120C - Creative Improvisation: Innovation for Theatre and the Real World and Lab (3)

Through acting exercises in a safe, open environment students will discover and develop their creative and authentic responses to situations on and off stage. Using relaxation techniques and a variety of character-based improvisation games, they will achieve greater self-confidence, freedom of expression and an ability to adapt, take risks, and collaborate.

Offered: Fall, Spring.

TPP 2190 - Theatre Rehearsal and Performance (1)

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.)

Offered: Fall, Spring.

TPP 2250 - Musical Theatre Performance (3)

Introduction to the study of musical theatre analysis, creation, and performance as applied to the study of voice,dance, and acting.

Offered: Fall, Spring.

TPP 2300 - Beginning Directing (3)

A basic theatre techniques course with an emphasis on script analysis, fundamentals of staging, and work with actors. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree. FA, SP (Pending Approval)

TSL - Teaching Eng-Second Lang

TSL 3080 - ESOL Issues and Strategies I (3)

This course is designed to introduce the underlying theories and practices of teaching ESOL (English to Speakers of Other Languages). The goal of this course is to develop the foundation of knowledge necessary to prepare educators to understand the concepts upon which second language acquisition are based. The following areas are addressed in the course: linguistics, effective strategies/methods and curriculum to reach linguistically and culturally diverse students, multicultural education, linguistic and cultural issues in the area of assessment. The course will address the LULAC et al v. FDOE Consent Decree and the implications it has for students and teachers. This course includes 15 hours of field experience.

TSL 4081 - ESOL Issues and Strategies II (3)

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.

Offered: Fall, Spring.

WOH - History

WOH 2012 - World History Before 1500 (3)

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 College-Level Communication and Computational Skills (State Rule 6A-10.030) writing requirement.

This course also helps develop the general education skills of (1) Critical/Creative Thinking; (2) Communication; (3) Cultural Literacy; and (4) Information and Technical Literacy.

Offered: Fall, Spring, Summer.

WOH 2022 - World History After 1500 (3)

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 College-Level Communication and Computation Skills (State Rule 6A-10.030) writing requirement.

Offered: Fall, Spring, Summer.

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