

DAYTONA STATE COLLEGE

2025 - 2026 COLLEGE CATALOG



you belong

HERE

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PROGRAMS OF STUDY

Accounting, B.S. Degree
 Accounting Technology, A.S. Degree
 Accounting Technology Management, A.S. Certificate
 Accounting Technology Operations - Tax Preparation, A.S. Certificate
 Advanced Machining Technologies, Vocational Certificate
 Advanced Welding (Limited Access Program), Vocational Certificate
 Aerospace Technology, A.S. Degree
 Applied AI and Data Analytics, A.S. Degree
 Applied Technology Specialist, A.S. Certificate
 Architectural and Building Technology, A.S. Degree
 Associate of Arts Degree
 Audio Electronics Specialist, A.S. Certificate
 Audio/Recording Technology, A.S. Certificate
 AutoCAD Foundations (Architectural), A.S. Certificate
 AutoCAD Foundations (Engineering), A.S. Certificate
 Automotive Collision Repair and Refinishing, Vocational Certificate
 Automotive Service Technology, Vocational Certificate
 Baking and Pastry Arts, A.S. Certificate
 Barbering, Vocational Certificate
 Biology 6-12, B.S. Degree
 Broadcast TV Production, A.S. Certificate
 Broadcast TV Production, A.S. Degree
 Building Trades and Construction Design Technology, Vocational Certificate
 Business Administration, A.S. Degree
 Business Management, A.S. Certificate
 Business Operations - Entrepreneurship, A.S. Certificate
 Cardiopulmonary Science, B.S. Degree
 Chemistry 6-12, B.S. Degree
 CNC Machining, Vocational Certificate
 Computer-Aided Design and Drafting, A.S. Certificate
 Computer Engineering Technology, A.S. Degree
 Computer Information Technology, A.S. Degree
 Computer Programming and Analysis (Software Engineering Technology), A.S. Degree
 Computer Programming, A.S. Certificate
 Construction and Design, Advanced Technical Certificate
 Correctional Officer Recruit Training (Limited Access Program), Vocational Certificate
 Cosmetology, Vocational Certificate
 Criminal Justice, A.S. Degree
 Criminal Justice Technology Bridge (Limited Access Program), A.S. Degree
 Culinary Arts, A.S. Certificate
 Culinary Management, A.S. Degree

Cybersecurity and Cyberforensics, Advanced Technical Certificate
 Cybersecurity and Network Systems Technology, A.S. Degree
 Dental Assisting (Limited Access Program), Vocational Certificate
 Dental Hygiene (Limited Access Program), A.S. Degree
 Diagnostic Medical Sonography (Limited Access Program), A.S. Degree
 Digital and Interactive Media Production, A.S. Degree
 Drafting and Design Technology, A.S. Certificate
 Drafting and Design Technology (CAD), A.S. Degree
 Early Childhood Education, A.S. Degree
 Early Childhood Education, Vocational Certificate
 Earth/Space Science Education 6-12, B.S. Degree
 Educator Preparation Institute
 Electrical Apprentice - Non-Union
 Electrical Apprentice - Union
 Electronics Engineering Technology, A.S. Degree
 Elementary Education K-6, B.S. Degree
 Emergency Medical Services (Limited Access Program), A.S. Degree
 Emergency Medical Technician (Limited Access Program), Applied Technical Diploma
 Engineering Technology, A.S. Degree
 Engineering Technology (BSET), B.S. Degree
 Engineering Technology - Electrical Engineering Technology Concentration, B.S. Degree
 Engineering Technology - Industrial Engineering Technology Concentration, B.S. Degree
 Engineering Technology Support Specialist, A.S. Certificate
 Environmental Science Technology, A.S. Degree
 Exceptional Student Education K-12, B.S. Degree
 FAME Advanced Manufacturing Technician (Limited Access Program), A.S. Certificate
 Fire Fighter (Limited Access Program), Vocational Certificate
 Florida Law Enforcement Academy (Limited Access Program), Vocational Certificate
 Heating, Ventilation, Air Conditioning/Refrigeration Installation and Maintenance Mechanic, Vocational Certification
 Heating, Ventilation, Air Conditioning/Refrigeration Service and Repair Technician, Vocational Certification
 Hospitality Beverage Science, A.S. Certificate
 Hospitality Management, A.S. Degree
 Information Technology Analysis, A.S. Certificate
 Information Technology – BSIT, B.S. Degree
 Interior Design Technology, A.S. Degree

Interior Design Technology - Kitchen and Bath
Specialization, A.S. Certificate
Marketing, Sales and Service - Entrepreneurship, A.S.
Certificate
Massage Therapy (Limited Access Program), Vocational
Certificate
Mathematics 6-12, B.S. Degree
Medical Assisting (Limited Access Program), Vocational
Certificate
Medical Coder Biller (Limited Access Program), A.S.
Certificate
Music Production Technology (Audio/Recording), A.S.
Degree
Network Server Administration, A.S. Certificate
Nursing Assistant, Vocational Certificate
Nursing - BSN, B.S. Degree
Nursing (Limited Access Program), A.S. Degree
Nursing (Transition Into Profession) (Limited Access
Program), A.S. Degree
Occupational Therapy Assistant (Limited Access
Program), A.S. Degree
Office Administration (General or Legal Operations), A.S.
Degree
Office Management, A.S. Certificate
Office Support (Technical Certificate), A.S. Certificate
Operations Management Technology (Limited Access
Program), A.S. Degree
Paralegal Studies, A.S. Degree
Paramedic (Limited Access Program), A.S. Certificate
Phlebotomy (Limited Access Program), Vocational
Certificate
Photographic Technology, A.S. Degree
Physical Therapist Assistant (Limited Access Program),
A.S. Degree
Physics 6-12, B.S. Degree
Plumbers and Pipefitters Apprentice - Union
Practical Nursing (Limited Access Program), Vocational
Certificate
Project Management, Advanced Technical Certificate
Radiography (Limited Access Program), A.S. Degree
Radiologic and Imaging Science, B.S. Degree
Respiratory Care (Limited Access Program), A.S. Degree
Supervision and Management-Healthcare Management
Concentration, B.A.S. Degree
Supervision and Management-Hospitality Concentration,
B.A.S. Degree
Supervision and Management-Human Resource
Management Concentration, B.A.S. Degree
Supervision and Management-Management Concentration,
B.A.S. Degree
Supervision and Management-Project Management
Concentration, B.A.S. Degree
Supervision and Management-Supply Chain Management
Concentration, B.A.S. Degree

Surgical Technology, (Limited Access Program), A.S.
Degree
Television Studio Production, A.S. Certificate
Web Development Specialist, A.S. Certificate
Web Systems Software Development, Advanced Technical
Certificate
Welding Technology - Applied, Vocational Certificate

ABOUT DAYTONA STATE

Daytona State College at a Glance

Daytona State College, a member of the Florida College System, is a comprehensive public college that provides programs ranging from community enrichment to baccalaureate degrees. The College emphasizes student success, embracing excellence and diversity, and fostering innovation to enhance teaching and learning. Offering more than 100 certificate, associate and bachelor's degree programs, Daytona State is the premier source for education and advanced training in Volusia and Flagler counties and has played a vital role in the region's economic development for more than 65 years. The college enrolls approximately 23,000 students a year at its seven instructional sites, with graduates serving in critical fields, including healthcare, emergency services and public safety, business, education, hospitality, engineering, project management, accounting, computer science, digital media, 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 and first among Florida's public state colleges. U.S. News also placed DSC among the top for Best Online Bachelor's Programs for Veterans.

Bachelor's Degrees

Daytona State offers 13 bachelor's degrees in Accounting, Supervision and Management, Education, Engineering Technology, Information Technology, Nursing, and Cardiopulmonary Science. These offerings include opportunity for qualified first-time-in-college (FTIC) students to earn a degree in one of seven Bachelor of Science in Education tracks for \$10,000.

Choose Daytona State and Save

The 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, has

also 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 six Academic Support Centers (ASCs) offer 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 supplemental instruction, and more.

Top 15 Programs (Enrollment)

- Associate of Arts Degree
- Associate of Science in Nursing (RN)
- Associate of Science in Business Administration
- Bachelor of Applied Science in Supervision & Management - Management Concentration (BAS)
- Bachelor of Science in Nursing (BSN)
- Cosmetology
- Bachelor of Science in Information Technology (BSIT)
- Bachelor of Science in Engineering Technology (BSET)
- Associate of Science in Computer Programming & Analysis
- Associate of Science in Computer Information Technology
- Florida Law Enforcement Academy
- Associate of Science in Early Childhood Education
- Associate of Science in Music Technology/Audio Recording
- Digital and Interactive Media
- Supervision & Management - HR Management Concentration, tied with Associate of Science in Photographic Technology

Top 15 Programs (Graduates)

- Associate of Arts Degree
- Associate of Science in Nursing (RN)
- Fire Fighter
- EMT Certificate
- Supervision & Management - Management Concentration
- Florida Law Enforcement Academy
- Cosmetology
- Bachelor of Science in Nursing
- Welding Technology - Applied
- Associate of Science in Nursing – Transition into Professional Nursing
- Heating, Ventilation, Air Conditioning / Refrigeration Mechanic
- Barbering Certificate
- Paramedic Certificate
- Bachelor of Science in Engineering Technology (BSET)
- Associate of Science in Business Administration

Accreditation and Non-Discrimination Statement

Accreditation

Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

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, at the college maintain state and/or national accreditations or approval by professional associations or licensing boards. See the full [list of external accrediting bodies](#). All programs with external accreditations develop and implement standards, monitor results and generate reports for their accrediting agencies. All programs 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 access, equal educational opportunity and equal employment opportunity to all persons regardless of age, color, disability, ethnicity, genetic information, gender, marital status, national origin, political affiliation, pregnancy, race, religion, sex, sexual orientation and veteran status.

To obtain more information about the college's equal access and equal opportunity policies, procedures and practices, please contact:

Cerese Ramos

Vice President of Student Development, Title IX Coordinator, Civil Rights Compliance Officer
Daytona Beach Campus
Wetherell Center (Building 100), Room 210C
(386) 506-3840

Tanika Clemons

Vice President of Human Resources, Employment Title IX Coordinator, Civil Rights Compliance Officer
Daytona Beach Campus
Wetherell Center (Building 100), Room 303L
(386) 506-4473

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.

The College encourages students, employees, and other members of the College community to report violations of Title IX for sex discrimination and sex harassment. Reports may be made in person, email, regular mail, phone, in person, or by any other means to submit a complaint or occurrence of a violation(s) to the following College employees:

Cerese Ramos

Vice President of Student Development, Title IX Coordinator, Civil Rights Compliance Officer
Daytona Beach Campus
Wetherell Center (Bldg. 100), Office 210C
(386) 506-3840

Tanika Clemons

Vice President of Human Resources, Employment Title IX Coordinator, Civil Rights Compliance Officer
Daytona Beach Campus
Wetherell Center (Building 100), Room 303L
(386) 506-4473

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 sexual misconduct laws. (Legal Authority: F.S. 228-2001; 240.319, SBE 6A-19.08; 19.09: 6A-14.0247).

Sexual Harassment

Sexual harassment is conduct of a sexual nature or with sexual implications, which interferes with a student's status or performance by creating an intimidating, hostile or offensive educational or working environment. This conduct may include, but is not limited to: inappropriate and unwanted touching; the display of sexually explicit or suggestive materials; use of sexually explicit or suggestive language or gestures; and subtle pressure for sexual activity, as well as demands for sexual favors, or physical assault.

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 the Marketing Department at (386) 506-4499.

Administration and Faculty

President's Message

Welcome to Daytona State College – You Belong Here.

At Daytona State College, we believe everyone deserves the opportunity to pursue their dreams through education, and we're here to help you every step of the way. Our mission is to remove barriers, inspire confidence and create personal connections that convince our students they not only belong in college – they belong here.

Whether you're considering Daytona State as a student, a parent, or looking to advance your career, you'll find what you need with us. We offer outstanding degree and certificate programs that provide the education, training and skills needed for today's workforce and tomorrow's careers.

Our state-of-the-art programs, dedicated faculty and small class sizes ensure students receive the attention and support they need to succeed. We're proud to be consistently recognized by U.S. News & World Report, ranking among the nation's Best Online Bachelor's Programs for 13 years running. Daytona State is also ranked as one of the best colleges for military veterans – recognition that reflects our commitment to support active duty members of the armed forces, their families, and those who have served our country.

We continually expand and update our programs to meet workforce demands and support our local communities. Recent additions include a Bachelor of Science in Cardiopulmonary Science, an Associate of Science in Diagnostic Medical Sonography and enhanced nursing and healthcare offerings with new scholarships and state-of-the-art facilities. Our specialized programs in CNC Machining and Hospitality Beverage Science open doors to growing

industries, and Daytona State is home to Florida's first and only chapter of the Federation for Advanced Manufacturing Education (FAME), connecting students in our Associate of Science in Engineering Technology program with job opportunities in the community. And we have just launched a state-of-the-art Law Enforcement and Emergency Services Training Center on our DeLand Campus.

Each year, nearly 23,000 students choose Daytona State—not just for our academics, but for a vibrant college experience that includes:

- Championship athletic teams competing at the NJCAA Division I level, including our new Women's Flag Football and Esports teams
- An award-winning student newspaper and literary magazine
- An active Student Government Association
- More than 50 student clubs and organizations

You'll also find world-class cultural and recreational opportunities right on campus, from the internationally recognized Southeast Museum of Photography to our fitness and aquatic center. Our News-Journal Center hosts theater, music and dance productions throughout the year. And if you haven't seen our new Residence Hall, I invite you to explore its modern amenities and the benefits of living on campus—just steps from classes, academic support and campus activities.

Wherever you are in life, we're here to support your journey. I applaud you for taking this important step toward your goals, and I hope to see you on campus soon.

Sincerely,

Thomas LoBasso, Ed.D.
President

District Board of Trustees

Randy Dye

Term: 2/14/25 – 5/31/29

DeLand

Lloyd J. Freckleton

Term: 2/14/25 – 5/31/29

Flagler Beach

Randall Howard, Chair

Term: 07/30/19 - 05/31/26

New Smyrna Beach

Kelly Parsons Kwiatek

Term: 09/09/22 - 05/31/25

Ormond Beach

Robert Lloyd, Vice Chair

Term: 2/14/25 – 5/31/29

Port Orange

Garry Lubi

Term: 11/01/19 - 05/31/26

Palm Coast

Nellie Lupoli

Term: 2/14/25 – 5/31/29

Ormond Beach

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

Executive Vice President/Provost, Office of Executive Vice President – Amy Locklear

Associate Vice President, Institutional Development– Andrea Gibson

Dean, Institutional Effectiveness – Alicia Alexander

Dean, School of Health and Wellness/Athletics – William Dunne

Director, Campus Safety – Louis Marino

Director, Resource Development – Candice Valle

Vice President, Academic Affairs – Jodi Long

Associate Vice President, College of Arts and Sciences – LaKisha Holmes

Associate Vice President, College of Health and Public Services – Colin Chesley

Associate Vice President, College of Business, Engineering and Technology – Michael Daniels

Associate Vice President, Mary Karl College of Workforce and Continuing Education – Sherryl Weems

Associate Vice President, Office of Academic Affairs – Cheryl Kohen

Dean, Hosseini College of Hospitality Management – Costa Magoulas

Director, Academic and Curriculum Services – Heather Mullins

Director, Center for Business and Industry – Michael Scheck

Director, Department of Academic Innovation – Erin Arthur

Director, Department of Learning and Development – Rachael Dougherty

Director, Library – Anibal Delgado Gonzalez

Director, Small Business Development Center – Lotrecia Arrington

Director, School of Adult Education – Vacant

Director, School of Emergency Services – Evan Doyle

Director, Mary Karl College of Workforce and Continuing Education – Bree Castelli

Director, Mike Curb College of Music, Entertainment, and Art – Ande Deaton

Vice President, Enrollment Services – Erik D'Aquino

Associate Vice President, Enrollment Services – Michelle Goldys

Director, Academic Advising – Alisha Heath

Director, Admissions and Recruitment – Karen Sanders

Director, Assessment – Lisa Satterfield

Executive Director, Financial Aid Services – Heidi Pinney

Director of Marketing/Public Information Officer – Chris Thomes

Director, Records/Registrar – Carri Black-Hudgins

Director of Campus Services, DeLand and Deltona Campuses – Neil Clemons

Director of Campus Services, Flagler/Palm Coast Campus – James Marindino

Director of Campus Services, New Smyrna Beach/Edgewater Campus – Enaris Inman

Vice President, Student Services – Cereese Ramos

Dean, Student Development – Elijah Houser

Director, Falcon Hope Center – Rabecka Collins

Director, Counseling and Accessibility Services – Miguel Rivera

General Counsel – Romualdo Marquinez

Assistant General Counsel – Laura Hanes

Vice President, Finance and Administrative Services – Martin Cass

Associate Vice President/Controller, Finance – Tina Myers

Director/Assistant Controller, Accounting/Restricted Funds – Lisa Sogunro

Director, Accounting/Restricted Funds – Mary Ann Allgood

Director, Financial Services – Joumana El-Ghali

Director, Budget – James Zablosky

Director, Student Accounts – Jennifer Wallace

Executive Director, Business Services – Elaine Thiel

Associate Vice President, Facilities Planning – Allen Masters

Director/Trades, Facilities Services – Vacant

Director/Custodial and Groundskeeping, Facilities Services – Charlese Courtney

Vice President, Human Resources – Tanika Clemons

Director, Payroll and Employee Benefits – Dylan Anderson

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, IT-Instructional Resources – Bill Harrison

Director, IT-Tech Security – Paul Wheeler

Director, IT Project Management & Help Desk – David Tatum

Director, IT-Systems Administration - Eric Bouse

Director, WDSC-TV – Robert Herklotz

Executive Director of Foundation – Kristen Hanson

Director, Development & Community Engagement – Emily Elliot

Director, Alumni Relations – Alyssa Hull

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

Angela and D.S. Patel School of Engineering Technology Nabeel Yousef

College of Health and Public Services

School of Dental Science Jennifer McCann

Charles M. Curb School of Emergency Services Evan Doyle

School of Health Careers Geraldine Rimstidt

Bob and Carol Allen School of Nursing Maxine Hicks

College of Arts and Sciences

School of Social Sciences Michael Flota

School of Biological and Physical Sciences Karen Koory

School of Education Donald May

School of Health and Wellness William Dunne

School of Communication Richard Vollaro

School of Mathematics Marc Campbell

School of Student Life Skills Joshua Johnson

Quanta-Honors College Benjamin Graydon

Mike Curb College of Music, Entertainment and Art:

School of Humanities Trent Berning

School of Digital Media Production Brad Moody

Mary Karl College of Workforce and Continuing Education

Center for Business and Industry Michael Scheck

Cosmetology & Barbering Vacant

Occupational Apprenticeships Bree Castelli

School of Adult Education Vacant

Small Business Development Center Lotrecia Arrington

Workforce Careers Bree Castelli

Division of Library and Academic Support

Library Services Anibal Delgado Gonzalez

Academic Support Elizabeth Barnes

Department of Academic Innovation

Department of Academic Innovation Erin Arthur

Full-time Faculty and Administration

Abbondanza, Sabrina (2023)

Assistant Professor – OTA Program, School of Health Careers

Sabrina.Abbondanza@daytonastate.edu

M.O.T., Nova Southeastern University

B.A.S Connecticut College

Abrams, Brian (2022)

Associate Professor, School of Computer Science

Brian.Abrams@daytonastate.edu

D.P.M., Pennsylvania College of Podiatric Medicine

M.S., Monmouth College

B.S., Rutgers University

A.S., Daytona State College

Alacan, Kimberly (2002)

Senior Professor, School of Mathematics

Kimberly.Alacan@daytonastate.edu

M.S., University of Central Florida

B.S., Florida State University

A.A., Gulf Coast Community College

Albergo, Mark (2021)

Instructor, Mary Karl School of Workforce & Continuing Education-Welding

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Welding Technology, Daytona State College

Auto Collision Repair and Refinishing, Daytona State College

Alexander, Alicia (2016)

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M.S. and B.S., Florida A&M University

Alligood, Mary (2019)

Director, Accounting/Restricted Funds

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Allman, Kathryn (2018)

Associate Professor, MCCMEA – School of Humanities

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M.S., Nova Southeastern University

B.A., Flagler College

Alter, Rachel (2022)

Instructor/ Assistant Chair, Workforce & Continuing Education -HVAC

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B.A., State University of New York at Fredonia

Certified HVAC Technician, Daytona State College

Anderson, Cynthia (2017)

Professor, Bob and Carol Allen School of Nursing

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M.S.N., University of Central Florida

B.S.N., University of Mississippi Medical Center

Anderson, Dylan (2017)

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Angel, Andrea (2012)

Senior Professor/Assistant Chair, Bob and Carol Allen School of Nursing

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M.S.N., University of Phoenix

B.S.N., York College of Pennsylvania

B.S., University of Phoenix

Arrington, Lotrecia (2022)

Director, Small Business Development Center

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M.B.A. and B.S., Bay Path University

Arrington, William (2014)

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M.S.N., University of Phoenix
 B.S.N. and A.S.N., Clayton State University

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 M.S., Technical University of Sofia

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 B.A.S., Daytona State College
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 A.A.S., Owens Community College

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 Ed. D, University of Central Florida
 M.A. and B.A., Stetson University

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 B.A., University of South Florida

Bell, Jennifer (2014)
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 Ph.D., University of Alaska
 M.S., M.P.A. and B.S., California State University
 A.A., San Bernardino Valley College

Bellino, Nicholas (2011)
 Professor, Mori Hosseini College of Hospitality and Culinary Management
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B.F.A., American University in Dubai

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M.B.A., American Public University System
B.A.S. and A.A., Daytona State College

Blaine, Ana (2008)
Professor, School of Education
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Ed.D., University of Florida
M.S.Ed., University of Miami
B.S., Florida International University
A.A., Miami Dade College

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M.S., University of Central Florida
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Boone, Elizabeth (2020)
Assistant Professor/ Bob and Carol Allen School of
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A.S., Daytona State College

Booth, Gabriele (2005)

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Mathematics

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B.S., Frankhohschule Giessen-Friedberg, Germany

Bosman, Richard (2015)
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Bouse, Eric (2001)
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Boswell, Ion (Keith) (2019)
Associate Professor, MCCMEA – School of
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M.A., California State University
B.A., Samford University

Brackel, Amy (2008)
Assistant Professor, School of Communication
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M.A. and B.A., University of Central Florida
A.A., Daytona State College

Braley, Karen (2011)
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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 160,452 square-foot facility includes occupational classrooms and lab areas with 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, a multi-purpose room, and meeting rooms. The two-story classroom area surrounds an enclosed atrium that is the site of exhibits and a computer commons. 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

BS Engineering Technology (BSET)

BS Engineering Technology - Electrical Engineering
Technology Concentration (BSET-EET)

BS Information Technology (BSIT), NSA Center of
Academic Excellence in Cyber Defense

Advanced Technical Certificate in Construction and
Design Advanced Technical Certificate in
Cyberforensics and Cybersecurity

Advanced Technical Certificate in Web Systems
Software Development AS in Engineering
Technology

Engineering Technology Support Specialist Computer
Aided Design and Drafting

FAME Advanced Manufacturing Technician (Limited
Access Program)

Computer Science Programs

Applied Technology Specialist

Computer Programming

Computer-Aided Design and Drafting

Engineering Technology Support Specialist

Information Technology Analysis

Network Server Administration

Web Development Specialist

Computer Engineering Technology

Computer Information Technology

Computer Programming and Analysis (Software
Engineering Technology)

Database Technology

Electronics Engineering Technology

Engineering Technology

Network Systems Technology

Automotive Programs

Automotive Collision Repair and Refinishing

Automotive Service Technology

Construction, Manufacturing & Engineering Programs

Air Conditioning, Refrigeration and Heating Mechanic and Technology

CNC Machining

Building Trades and Construction Design Technology

AutoCAD Foundations (Architectural)

AutoCAD Foundations (Engineering)

Drafting & Design Technology

Interior Design Technology-Kitchen and Bath Specialization

Architectural and Building Technology

Drafting and Design Technology (CAD)

Interior Design Technology

Emergency Services Programs

Correctional Officer Recruit Training

Criminal Justice Technology Bridge A.S. Degree (Limited Access Program) Emergency Medical Services A.S. Degree (Limited Access Program) Emergency Medical Technician

Fire Fighter

Florida Law Enforcement Academy

Paramedic A.S. Degree (Limited Access Program)

Continuing Education Programs

Criminal Justice Advanced and Specialized Training

Apprenticeship Programs

Electrical Non-Union

Electrical Union

The programs listed are scheduled at the ATC. However, some of them may also be held at other Daytona State College campuses. Please reference Program Specific Course information, then course availability search.

Location:

Advanced Technology College

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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: <https://www.daytonastate.edu/safety-and-security/index.html>.

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 67 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.

Before becoming a college, the site of Daytona State served as the 2nd Women's Army Auxiliary Corps Training Center during World War II, housing up to 14,000 WACs at its peak in 1943. Closed March 1944, it reopened three months later as the Welch Convalescent Center, treating wounded servicemen returning from overseas.

The Florida Legislature established Daytona Beach Junior College (DBJC) in 1957 as one of the state's first comprehensive colleges. It operated in three divisions – college credit, adult education and the Mary Karl Vocational School – each functioning independently under a single president within the Volusia County School System.

In 1965, Volusia County Community College merged with DBJC. Three years later, the Florida Legislature consolidated the divisions under a single administration and an independent District Board of Trustees. In 1971, the college became Daytona Beach Community College, and in 2008, it was renamed Daytona State College to reflect its transition to a four-year institution offering workforce-focused bachelor's degrees.

Today, Daytona State offers more than 100 certificate, associate and bachelor's degree programs, preparing graduates for careers in healthcare, emergency services, business, education, hospitality, engineering, project management, accounting, computer science, digital media and more. The Associate of Arts University Transfer degree provides an affordable path for students to complete the first two years of a bachelor's degree while saving thousands of dollars.

As a Level II state college, Daytona State offers a Bachelor of Applied Science in Supervision and Management with several options for concentrations, and seven bachelor's degrees in education: Mathematics (6-12), Biology (6-12), Earth/Space Science (6-12), Exceptional Student Education (K-12), Chemistry (6-12), Physics (6-12), and Elementary Education (K-6). Other bachelor's programs include degrees in Engineering Technology, Information Technology, Nursing, Cardiopulmonary Science and Accounting.

Committed to affordability and accessibility, Daytona

State provides flexible scheduling, online learning options and some of the nation's most affordable tuition rates. Its online bachelor's programs have ranked among America's best by U.S. News & World Report every year since 2013, and the U.S. Department of Education places Daytona State among the top 50 most affordable colleges for full-time students.

With a tradition of academic excellence and community service, Daytona State remains a key partner in regional workforce and economic development. Serving approximately 23,000 students annually, the college continues to expand its programs and services to meet the evolving needs of students and the community.

University of Central Florida

DirectConnect to UCF®

Daytona State College A.A. degree graduates have a clear path to transfer to UCF through the university's nationally recognized DirectConnect to UCF® program. DirectConnect to UCF® guarantees admission* to UCF for A.A. 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 success coaching, touch points include transition and enrollment assistance, academic and career planning, early major exploration and declaration, skills workshops, financial literacy, and other topics.

Sign up for DirectConnect to UCF® today at <https://directconnect.ucf.edu/sign-up/> and speak with your DSC academic advisor early in your freshman year.

Programs and Services at the UCF Daytona Beach Connect Center

Serving Volusia and Flagler counties, the UCF Daytona Beach Connect Center is an upper-level campus enrolling junior and senior transfer students who earn associate degrees from Daytona State College. UCF is accredited by the Southern Association of Colleges and Schools and is a member of the State University System.

UCF offers two undergraduate degrees at the UCF Connect Daytona Beach Center:

- Nursing
(<https://nursing.ucf.edu/academics/bachelors-degrees/traditional-bsn/>)

- Photography
(<https://www.ucf.edu/degree/photography-as-to-bs/>)

For more information about programs and services at the UCF Daytona Beach Connect Center, please contact the center directly at:

UCF Connect
Daytona Beach Center (building 140)
1200 W. International Speedway Blvd.
Daytona Beach, FL 32114
Phone: 386-506-4021
Fax: 386-506-3010

ucfdaytona@ucf.edu

* consistent with university policy

Institutional Mission, Values, and Strategic Priorities

Mission

Daytona State College, founded with innovation at its core and within a culture of continuous improvement, provides open access to educational programs that transform students' lives and communities we serve.

Vision

Daytona State College, an outstanding leader in the Florida College System and a dynamic nationally recognized institution known for its quality, affordable and in-demand programs, seeks to be one of the top state colleges in the country. The institution will contribute to a vibrant economy, embrace a student-centered focus, and aspire to provide life-changing opportunities for tomorrow's global leaders.

Institutional Values

Community – The Daytona State College community is built upon mutual respect, effective and open communication, and civic responsibility. We celebrate both the originality and distinction of individuals while valuing the common bonds that unite us as a global community.

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 Daytona State community. The College fully supports academic freedom and the right of intellectual pursuit.

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

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

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

Leading the Way: 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.

- Implement high-impact best practices to enhance teaching and learning experiences that support student success.
- Provide educational programs and pathways that are valued in the workforces.
- Provide and support professional development opportunities for faculty and staff.

ENHANCE STUDENT SUCCESS

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

- Provide students personalized, program-specific career and academic support to help guide them toward their academic, professional, and personal goals.
- Leverage data and analytics to identify barriers and help students stay on a pathway to success and completion.
- Cultivate an engaging campus community to promote student success.

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 to increase awareness of the college's mission and services.
- Develop and maintain educational partnerships that create pathways leading to rewarding careers for 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).

- Enhance access to technology resources and ensure proficiency in the use of technology.
- Modernize existing physical and virtual spaces and reassess the need for additional physical and virtual spaces.
- Expand recruiting initiatives that attract and retain high-quality faculty and staff, while providing a supportive collegial environment.

ACADEMIC CALENDARS

Summer 2025

Event	Full Term Date	A Term Date	B Term Date	Adult Ed A Term Date	Adult Ed B Term Date	State Employee Registration	May 19-20	May 19-20	July 2-3	N/A	N/A
Graduation Application Open to Apply for Summer 2025 Graduation	Jan. 21	Jan. 21	Jan. 21	N/A	N/A	Attendance 1 Roster Open for Submission	May 21	May 21	July 4	N/A	N/A
Advising Week for Summer and Fall 2025 registration	Mar. 24	Mar. 24	Mar. 24	N/A	N/a	Memorial Day (College Closed)	May 26	May 26	May 26	May 26	May 26
Commencement Book Deadline for May 2025 Ceremony	Mar. 17	Mar. 17	Mar. 17	Mar. 17	Mar. 17	Attendance 1 Verification Due	May 27	May 27	July 9	N/A	N/A
Advance Registration for Summer 2025/Fall 2025 (currently enrolled students based on priority)	Mar. 31	Mar. 31	Mar. 31	N/A	N/A	Fall 2025 Dual Enrollment Deadline	May 30	May 30	May 30	N/A	N/A
Open Registration for Summer 2025/Fall 2025	April 3	April 3	April 3	April 3	April 3	Financial Aid Census Date	June 3	June 3	July 17	N/A	N/A
Summer 2025 Dual Enrollment Deadline	May 5	May 5	May 5	N/A	N/A	Course Evaluation Period for Summer A	N/A	June 13-29	N/A	N/A	N/A
First Faculty Duty Day	May 19	May 19	July 2	May 19	July 2	Last Day to Change "I" Grade awarded in Spring Semester	June 22	June 22	June 22	N/A	N/A
Classes Begin	May 19	May 19	July 2	May 19	July 2	Last Day to Withdraw from classes	July 2	June 12	July 28	N/A	N/A
Last day to submit proof of Florida residency	May 19	May 19	July 2	N/A	N/A	Attendance 2 Roster Open for Submission	July 3	June 13	July 29	N/A	N/A
Last Day to Change Major	May 19	May 19	May 19	N/A	N/A	Independence Day (College Closed)	July 4	July 4	July 4	July 4	July 4
Last Day to Add/Drop	May 20	May 20	July 3	May 20	July 3	Course Evaluation Period for Summer 10 wk and Summer B	July 7-20	N/A	July 25-Aug. 10	N/A	N/A
						Attendance 2 Verification Due	July 9	June 19	Aug. 4	N/A	N/A
						Grade Roster Open	July 28	June 30	Aug. 11	N/A	N/A
						Classes End	July 29	June 30	Aug. 13	June 30	Aug. 13

Last Faculty Duty Day	July 30	July 1	Aug. 14	July 1	Aug. 14
Grades Due by noon	July 30	July 1	Aug. 14	July 1	Aug. 14
Last Day to Apply for Summer 2025 Graduation	July 31	July 31	July 31	N/A	N/A
Diplomas Mailed to Graduates	Sep. 3	Sep. 3	Sep. 3	N/A	N/A

Fall Planning (Faculty Professional Development)	Aug. 18-22	Aug. 18-22	Aug. 18-22	Aug. 18-22	Aug. 18-22
Last day to submit proof of Florida residency	Aug. 25	Aug. 25	Oct. 20	N/A	N/A
Fall Classes Begin	Aug. 25	Aug. 25	Oct. 20	Aug. 25	Oct. 20

Fall 2025

Event	Full Term Date	A Term Date	B Term Date	Adult Ed A Term Date	Adult Ed B Term Date
Advising Week for Summer and Fall 2025 registration	Mar. 24	Mar. 24	Mar. 24	Mar. 24	Mar. 24
Advance Registration for Summer and Fall 2025 (currently enrolled students based on priority)	Mar. 31	Mar. 31	Mar. 31	N/A	N/A
Open Registration for Summer and Fall 2025	Apr. 3	Apr. 3	Apr. 3	Apr. 3	Apr. 3
Fall 2025 Dual Enrollment Deadline	May 30	May 30	May 30	N/A	N/A

First Day to apply for Fall Graduation	Aug. 25	Aug. 25	Oct. 20	N/A	N/A
Last Day to change major	Aug. 25	Aug. 25	Aug. 25	N/A	N/A
State Employee Registration	Aug. 25-27	Aug. 25-27	Oct. 20-21	N/A	N/A
Last Day to Add/Drop	Aug. 27	Aug. 26	Oct. 21	Aug. 26	Oct. 21
Attendance 1 Roster Open	Aug. 28	Aug. 27	Oct. 22	N/A	N/A
Labor Day Holiday (College Closed)	Sept. 1	Sept. 1	Sept. 1	Sept. 1	Sept. 1
Summer 2025 Diplomas Mailed to Graduates	Sept. 3	Sept. 3	Sept. 3	N/A	N/A
Attendance 1 Verification Due by noon	Sept. 4	Sept. 4	Oct. 28	N/A	N/A
Financial Aid	Sept. 12	Sept. 12	Nov. 4	N/A	N/A

Census Date						Veterans Day (College Closed)	Nov. 11	Nov. 11	Nov. 11	Nov. 11	Nov. 11
Last Day to Change "I" Grade awarded in preceding Summer Term	Sept. 26	Sept. 26	Sept. 26	N/A	N/A	Thanksgiving Holiday (College closed beginning Nov. 26 at noon through Nov. 28)	College closed beginning Nov. 26 at noon through Nov. 28	College closed beginning Nov. 26 at noon through Nov. 28	College closed beginning Nov. 26 at noon through Nov. 28	College closed beginning Nov. 26 at noon through Nov. 28	College closed beginning Nov. 26 at noon through Nov. 28
Course Evaluation Period Session A	N/A	Sept. 26 - Oct. 12	N/A	N/A	N/A	Course Evaluation Period Full Term and Session B	Nov. 14 - Dec. 15	N/A	Nov. 14 - Dec. 15	N/A	N/A
Advising Week for Spring 2026 registration	Oct. 20	Oct. 20	Oct. 20	Oct. 20	Oct. 20	Last Day to Apply for Fall 2025 Graduation	Dec. 3	Dec. 3	Dec. 3	N/A	N/A
Advance Registration for Spring 2026 (currently enrolled students based on priority)	Oct. 27	Oct. 27	Oct. 27	N/A	N/A	Spring 2026 Dual Enrollment Deadline	Dec. 5	Dec. 5	Dec. 5	N/A	N/A
Open Registration for Spring 2026	Oct. 30	Oct. 30	Oct. 30	Oct. 30	Oct. 30	Grade Roster Open	Dec. 15	Oct. 13	Dec. 15	N/A	N/A
Last Day to Withdraw from classes with no grade penalty	Oct. 31	Sept. 29	Nov. 25	N/A	N/A	Fall Classes End	Dec. 17	Oct. 16	Dec. 17	Oct. 16	Dec. 17
Attendance 2 Roster Open	Nov. 1	Sept. 30	Nov. 26	N/A	N/A	Grades Due by noon	Dec. 18	Oct. 17	Dec. 18	Oct. 17	Dec. 18
Attendance 2 Verification Due by noon	Nov. 5	Oct. 3	Dec. 2	N/A	N/A	Last Faculty/Staff Duty Day	Dec. 19	Oct. 17	Dec. 19	Oct. 17	Dec. 19
						Register to walk for Commencement Ceremony	Dec. 22, 2025 - Mar. 23, 2025	Dec. 22, 2025 - Mar. 23, 2025	Dec. 22, 2025 - Mar. 23, 2025	Dec. 22, 2025 - Mar. 23, 2025	Dec. 22, 2025 - Mar. 23, 2025

held Spring 2026	2026	2026	2026	2026	2026	Closed)	2025 - Jan. 2, 2026	2025 - Jan. 2, 2026	2025 - Jan. 2, 2026	2025 - Jan. 2, 2026	2025 - Jan. 2, 2026
Winter Break (College Closed)	Dec. 20, 2025 - Jan. 2, 2026	Dec. 20, 2025 - Jan. 2, 2026	Dec. 20, 2025 - Jan. 2, 2026	Dec. 20, 2025 - Jan. 2, 2026	Dec. 20, 2025 - Jan. 2, 2026	College Open	Jan. 5	Jan. 5	Jan. 5	Jan. 5	Jan. 5
Diplomas Mailed to Graduates	Jan. 16, 2026	Jan. 16, 2026	Jan. 16, 2026	N/A	N/A	Spring Planning	Jan. 12- 16	Jan. 12- 16	Jan. 12-16	Jan. 12- 16	Jan. 12-16
Spring 2026 Commenc ement Ceremony	May 12, 2026	May 12, 2026	May 12, 2026	May 12, 2026	May 12, 2026	Fall 2025 Diplomas Mailed to Graduates	Jan. 16	Jan. 16	Jan. 16	N/A	N/A
						Martin Luther King, Jr. Holiday (College Closed)	Jan. 19	Jan. 19	Jan. 19	Jan. 19	Jan. 19
Spring 2026 2						Spring Classes Begin	Jan. 20	Jan. 20	March 23	Jan. 20	March 23
Semester Title	Spring 2026					Last Day to Submit Proof of FL Residency	Jan. 20	Jan. 20	Jan. 20	N/A	N/A
Event	Full Term Date	A Term Date	B Term Date	Adult Ed A Term Date	Adult Ed B Term Date	State Employee Registration	Jan. 20- 22	Jan. 20- 21	March 23-24	N/A	N/A
Advising Week for Spring 2026 registration	Oct. 20	Oct. 20	Oct. 20	Oct. 20	Oct. 20	Last Day to Change Major	Jan. 20	Jan. 20	Jan. 20	N/A	N/A
Advance Registration for Spring 2026 (currently enrolled students based on priority)	Oct. 27	Oct. 27	Oct. 27	N/A	N/A	Graduation Application Open to Apply for Spring & Summer 2026 Graduation	Jan. 20	Jan. 20	Jan. 20	N/A	N/A
Open Registration for Spring 2026	Oct. 30	Oct. 30	Oct. 30	Oct. 30	Oct. 30	Last Day to Add/Drop	Jan. 22	Jan. 21	March 24	Jan. 22	March 24
Spring 2026 Dual Enrollment Deadline	Dec. 5	Dec. 5	Dec. 5	N/A	N/A	Attendance 1 Roster Open for Submission	Jan. 23	Jan. 22	March 25	N/A	N/A
Winter Break (College	Dec. 20,	Dec. 20,	Dec. 20,	Dec. 20,	Dec. 20,	Attendance 1 Verification Due by Noon	Jan. 28	Jan. 28	March 30	N/A	N/A
						Last Day to Change "I" Grade awarded in Fall	Feb. 2	Feb. 2	Feb. 2	N/A	N/A

Semester

Financial Aid Census Date	Feb. 6	Feb. 6	April 7	N/A	N/A
Course Evaluation Period Session A	N/A	Feb. 20-Mar. 6	N/A	N/A	N/A
Spring Break (College Closed)	Mar. 16-20	Mar. 16-20	Mar. 16-20	Mar. 16-20	Mar. 16-20
Commencement Book Deadline	Mar. 23	Mar. 23	Mar. 23	Mar. 23	Mar. 23
Register to Walk in Commencement Ceremony Deadline	Mar. 23	Mar. 23	Mar. 23	Mar. 23	Mar. 23
Advising Week for Summer & Fall 2026 Registration	Mar. 23	Mar. 23	Mar. 23	Mar. 23	Mar. 23
Advance Registration for Summer & Fall 2026 (currently enrolled students based on priority)	Mar. 30	Mar. 30	Mar. 30	N/A	N/A
Last Day to Withdraw from Classes	Mar. 31	Feb. 23	April 20	N/A	N/A
Attendance 2 Roster Open for Submission	April 11	Feb. 24	April 21	N/A	N/A
Open Registration for Summer & Fall 2026	April 12	April 12	April 2	April 2	April 2
Attendance 2 Verification Due by Noon	April 16	Feb. 27	April 24	N/A	N/A
Awards Convocation	April 19	April 19	April 9	April 9	April 9
Course Evaluation Period Full Term &	April 13-May 3	N/A	April 13-May 3	N/A	N/A

Session B

Last Day to Apply for Spring Graduation	April 24	April 24	April 24	N/A	N/A
Grade Roster Open	May 4	Mar. 9	May 4	N/A	N/A
Summer 2026 Dual Enrollment Deadline	May 4	May 4	May 4	N/A	N/A
Spring Classes End	May 8	Mar. 13	May 8	Mar. 13	May 8
Last Faculty Duty Day	May 8	Mar. 13	May 8	Mar. 13	May 8
Grades Due by Noon	May 9	Mar. 14	May 9	Mar. 14	May 9
Commencement	May 12	May 12	May 12	May 12	May 12
Diplomas Mailed to Graduates	June 5	June 5	June 5	N/A	N/A

Summer 2026

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Semester Title	Summer 2026				
Event	Full Term Date	A Term Date	B Term Date	Adult Ed A Term Date	Adult Ed B Term Date
Graduation Application Open to Apply for Summer 2026 Graduation	Jan. 20	Jan. 20	Jan. 20	N/A	N/A
Advising Week for Summer & Fall 2026 Registration	Mar. 23	Mar. 23	Mar. 23	Mar. 23	Mar. 23
Commencement Book Deadline for May 2026	Mar. 23	Mar. 23	Mar. 23	Mar. 23	Mar. 23

Ceremony						Course Evaluation Period for Summer A	N/A	June 12-28	N/A	N/A	N/A
Register to Walk in May 2026 Commencement Ceremony Deadline	Mar. 23	Mar. 23	Mar. 23	Mar. 23	Mar. 23	Last Day to Withdraw from Classes	June 30	June 12	July 30	N/A	N/A
Advance Registration for Summer & Fall 2026 (currently enrolled students based on priority)	Mar. 30	Mar. 30	Mar. 30	N/A	N/A	Attendance 2 Roster Open for Submission	July 2	June 12	Aug. 5	N/A	N/A
Open Registration for Summer & Fall 2026	April 2	April 2	April 2	April 2	April 2	Independence Day Holiday (College Closed)	July 3-4	July 3-4	July 3-4	July 3-4	July 3-4
Summer 2026 Dual Enrollment Deadline	May 4	May 4	May 4	N/A	N/A	Course Evaluation Period for Summer 10 Week & Summer B	July 6-19	N/A	July 24-Aug. 9	N/A	N/A
First Faculty Duty Day	May 18	May 18	July 6	May 18	July 6	Attendance 2 Verification Due by Noon	July 9	June 18	Aug. 10	N/A	N/A
Classes Begin	May 18	May 18	July 6	May 18	July 6	Grade Roster Open	July 27	June 29	Aug. 10	N/A	N/A
State Employee Registration	May 18-19	May 18-19	July 6-7	N/A	N/A	Classes End	July 28	June 29	Aug. 14	June 29	Aug. 12
Last Day to Add/Drop	May 19	May 19	July 7	May 19	July 7	Last Faculty Duty Day	July 28	June 29	Aug. 14	June 29	Aug. 12
Attendance 1 Roster Open for Submission	May 20	May 20	July 8	N/A	N/A	Grades Due by Noon	July 29	June 30	Aug. 15	June 29	Aug. 12
Memorial Day (College Closed)	May 25	May 25	May 25	May 25	May 25	Last Day to Apply for Summer 2026 Graduation	July 31	July 31	July 31	July 31	July 31
Attendance 1 Verification Due by Noon	May 26	May 26	July 13	N/A	N/A	Diplomas Mailed to Graduates	Sept. 3	Sept. 3	Sept. 3	N/A	N/A
Fall 2026 Dual Enrollment Deadline	May 29	May 29	May 29	N/A	N/A						
Financial Aid Census Date	June 2	June 2	July 22	N/A	N/A						
Spring 2026 Diplomas Mailed to Graduates	June 5	June 5	June 5	N/A	N/A						

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. More than 100 programs are offered at the bachelor's, associate and certificate levels.

Programs and Courses

Academic Program Code Listings

View the 2024-25 Academic Program Code List (PDF)

or

View the 2025-26 Academic Program CIP Code List (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 equivalent (GED), improve basic skills, learn English (ESOL), 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 several campuses 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) 506-3120 or (386) 506-4495.

In compliance with state law, students must pay tuition of \$30 per semester (due at time of registration) 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 GED® test preparation classes and select vocational certificate programs. More information can be located at <https://www.daytonastate.edu/academic-departments/mary-karl-college-of-workforce-and-continuing-education/school-of-adult-education/>.

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 <https://www.daytonastate.edu/academic-departments/mary-karl-college-of-workforce-and-continuing-education/school-of-adult-education/esol.html>.
3. **General Educational Development (GED®)** test prep classes are offered for students preparing to take the GED® test examination. For course information, go to <https://www.daytonastate.edu/academic-departments/mary-karl-college-of-workforce-and-continuing-education/school-of-adult-education/ged.html>. For specific test information, see Assessment Services.
4. **Academic Skills Building (ASB)** develops literacy and mathematics skills to prepare students to be successful workers, citizens, and family members, as well as to help meet the academic requirements for vocational programs.
5. **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 GNJ; Mid-Florida Electrical Non-union Apprenticeship Committee, GNJ; Electrical Training Alliance of Daytona Beach (<https://etadb.org/>), 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 Accounting, Bachelor of Science in Education degree, Bachelor of Science in Engineering Technology, Bachelor of Science in Information Technology or Bachelor of Science in Nursing 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, digital and interactive media, 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 multiple baccalaureate degree programs:

- Bachelor of Applied Science (BAS) in Supervision and Management
 - Healthcare Management Concentration
 - Hospitality Concentration
 - Human Resource Management Concentration
 - Management Concentration
 - Project Management Concentration
 - Supply Chain Management Concentration
- Bachelor of Science in Accounting
- Bachelor of Science in Engineering Technology (BSET)
 - Electrical Engineering Technology Concentration
 - Industrial Engineering Technology Concentration
- Bachelor of Science in Information Technology
- Bachelor of Science in Nursing
- Bachelor of Science in Cardiopulmonary Science
- Bachelor of Science in Education
 - Elementary Education K-6
 - Exceptional Student Education K-12
 - Biology 6-12
 - Chemistry 6-12
 - Earth/Space Science Education 6-12
 - Mathematics 6-12
 - Physics 6-12

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.*

Excess Hours Advisory Statement

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

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

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

Developmental Education

The Developmental Education program at Daytona State helps students develop the skills essential for academic success. The curriculum emphasizes reading, communicating through writing, basic mathematical concepts, and effective life and study skills. Developmental Education consists of non-college credit courses in mathematics. We also offer one college-credit course to assist students with their academic needs: Intermediate Algebra. This course 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. 144).

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, AA and baccalaureate students entering a Florida College System institution must demonstrate competency in civic literacy prior to graduation

First-time-in-college students entering a Florida College System institution between the academic years 2018-19 to 2020-21 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
 - CLEP: American Government

All students initially entering a Florida College System institution in academic years 2021-22 to 2023-24 can meet this requirement through one of the following options:

- Successfully pass POS2041 American Federal Government or AMH2020 United States History 1865 to Present **and** achieve a standard score on the Florida Civic Literacy Examination; **or**
- Achieve a standard score on one of three assessments:
 - AP Government and Politics: United States
 - AP United States History
 - CLEP: American Government

All students initially entering a Florida College System institution in academic years 2024-25 and beyond can meet this requirement through one of the following options:

- Successfully pass POS2041 American Federal Government, AMH2020 United States History 1865 to Present, or AMH2010 (p. 398) United States History to 1877 **and** achieve a standard score on the Florida Civic Literacy Examination; **or**
- Achieve a standard score on one of three assessments:

- AP Government and Politics: United States
- AP United States History
- CLEP: American Government
- CLEP: History of the United States I

Foreign Language Requirements

In accordance with Florida Statute 1007.25 and 1007.262, 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 fulfill 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 two college semesters in American Sign Language (ASL2140 and ASL2150 or higher) 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.

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. Elective courses available to meet this requirement outside of the general education curriculum include *ASL2140*, *FRE1120*, *GER1120SPN1120*, and *SWS2007*.

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

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

II. Mathematics - 6 Credits

Completion of 6 credits of college-level courses in this area satisfies the College-Level Communication and Computational Skills Administrative Rule requirement in mathematics.

MGF2130	Mathematical Thinking	3
MAC1105	College Algebra	3
MAC2311C	Calculus I and Lab	4
STA2023	Elementary Statistics	3

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

III. Natural Sciences - 6 Credits

Choose Two (2) Courses - One must be from Core

Core		
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	4

EVR2001	Chemistry I and Lab Introduction to Environmental Science	3
GLY2010C	Physical Geology and Lab	4
OCE1001	Introduction to Oceanography	3
PHY1020	Conceptual Physics	3
PHY1053C	General Physics I and Lab	4
PHY2048C	Physics with Calculus I and Lab	5

Institutional

BSC1005L	Survey of Biological Science (For Non-Science Majors) Lab	1
BSC1020	Human Biology	3
BSC1086C	Human Anatomy & Physiology II and Lab	4
BOT1010C	General Botany and Lab	4
CHM1025C	Introduction to Chemistry and Lab	4
HUN1201	Human Nutrition	3
MET2010	Meteorology	3
OCB2000C	Introduction to Marine Biology and Lab	4
OCE1001L	Introduction to Oceanography Lab	1
PCB2033C	Introduction to Ecology and Lab	4
PHY1054C	General Physics II and Lab	4
PHY2049C	Physics with Calculus II and Lab	5
PSC1121	Physical Science	3
SWS2007	The World of Water	3

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

IV. Humanities - 6 Credits

Choose Two (2) Courses - One Must be from Core

One must be a literature course: AML or LIT. One must be a humanities or art course: ARH, HUM, MUL, PHI, or THE.

Core

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

Institutional

ARH2050	Survey of Art History I	3

ARH2051	Survey of Art History II	3
HUM2230	Renaissance to Postmodern Humanities	3
LIT2110	Masterpieces of World Literature I	3
LIT2120	Masterpieces of World Literature II	3
MUL2380	Popular Music in America	3
PHI2600	Introduction to Ethics	3

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

Cultural/Global Focus Area: These courses satisfy the Cultural/Global Focus Area graduation requirement; ARH2050, ARH2051, HUM2020, HUM2230, LIT2110, LIT2120, and MUL2380.

V. Social Sciences - 9 Credits**Core**

AMH2010	United States History to 1877	3
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

AMH2010, AMH2020, POS2041: It is required that students successfully pass either POS2041 American Federal Government, AMH2020 United States History 1865 to Present, or AMH2010 United States History to 1877 to demonstrate competency in civic literacy. Students may also complete one of four assessments. See introductory paragraph for more information.

Institutional

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
GEO2000	World Geography	3
INR2002	International Relations	3
REL2300	World Religion	3
SYG2000	Introduction to Sociology	3
WOH2022	World History After 1500	3

College-Level Communication and Computational Skills:

These courses contribute to the College-Level Communication and Computational Skills Administrative Rule writing requirement; AMH2020, ECO2013, SYG2000, AMH2010, and ECO2023.

Cultural/Global Focus Area: These courses satisfy the Cultural/Global Focus Area graduation requirement; CPO2001, EUH2000, GEB2351, and GEO2000.

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)

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 outlined above, then the graduation requirement is satisfied. If not, choose one to take as an elective within the Associate of Arts (AA) Electives. Elective courses available to meet this requirement outside of the general education curriculum include ASL2140, FRE1120, GER1120, and SPN1120.

Transfer Information

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 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: Communication, Mathematics, Natural Sciences, Humanities, and Social Sciences (F.A.C. 6A-10.024). As of 2022-23, students entering an A.S. degree program must complete at least one (1) core - column I - course from each of the subject areas prior to the awarding

of their degree (F.A.C. 6A-14.0303). Students who entered an A.S. program in a previous catalog year should follow the degree requirements listed in their particular catalog year.

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.

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

In accordance with the Florida Department of Education Administrative Rule, A.S., A.A. and baccalaureate students entering a Florida College System institution must demonstrate competency in civic literacy prior to graduation

All students initially entering a Florida College System institution in academic years 2022-23 to 2023-24 can meet this requirement through one of the following options:

- Successfully pass POS2041 American Federal Government or AMH2020 United States History 1865 to Present **and** achieve a standard score on the Florida Civic Literacy Examination; **or**
- Achieve a standard score on one of three assessments:
 - AP Government and Politics: United States
 - AP United States History
 - CLEP: American Government

All students initially entering a Florida College System institution in academic years 2024-25 and beyond can meet this requirement through one of the following options:

- Successfully pass POS2041 American Federal Government, AMH2020 United States History 1865 to Present, or AMH2010 United States History to 1877 ;**and** achieve a standard score on the Florida Civic Literacy Examination; **or**
- Achieve a standard score on one of three assessments:

- AP Government and Politics: United States
- AP United States History
- CLEP: American Government
- CLEP: History of the United States I

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, cultural/global focus area, or college-level communication and computational skills courses.

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

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

II. Mathematics

MGF2130	Mathematical Thinking	3

STA2023	Elementary Statistics	3

MAC1105	College Algebra	3

MAC2311C	Calculus I	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. Note: Higher-level mathematics courses also will satisfy this requirement.

III. Natural Sciences

AST1002	Astronomy	3
BSC1005	Survey of Biological Science (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
EVR2001	Introduction to Environmental Science	3
GLY2010C	Physical Geology and Lab	4
OCE1001	Introduction to Oceanography	3
PHY1020	Conceptual Physics	3
PHY1053C	General Physics and Lab	4
PHY2048C	Physics with Calculus I and Lab	5

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

IV. Humanities

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

V. Social Sciences

AMH2010	United States History to 1877	3
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

AMH 2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

General Education Core Digital Badge

Students who enter a postsecondary institution in the 2022-2023 academic year and thereafter, will be able to earn a nationally recognized digital badge upon completion of general education core courses that demonstrate career readiness.* The general education core covers the subject areas of communication, mathematics, humanities, social sciences, and natural sciences. This is inclusive of dual enrollment students who complete core courses while in high school in the 2022-23 academic year and thereafter.

The first digital badge in effect for Fall 2022 is **Fundamentals of Written Communication.**

Minimum Requirements

The Fundamentals of Written Communication digital badge will be awarded automatically upon completion of ENC1101 Introduction to Composition with a grade of "C" or better.

This badge demonstrates the development of skills in the following areas:

- Analytical writing skills
- Critical thinking
- Effective communication

**Pursuant to section (s.) 1007.25, Florida Statutes (F.S.).*

SLS1122 Managing Your Success

Managing Your Success is a great class that helps students learn about themselves and become familiar with College resources. It also helps them develop personal and workplace skills to succeed both academically and professionally. The course is especially helpful for new students and those transitioning into college after time away by bringing awareness to college-level expectations, while providing hands-on experiential learning opportunities. Students not only learn about the resources available to them, they have the chance to apply those new skills to their individual situations and needs. The course is designed to be practical, personally meaningful and informative.

What is covered in the Class?

Students learn about:

- **College expectations and resources.**
Information about College and classroom policies

and documents such as the College website, College Catalog and Student Handbook is reviewed. An overview of student support related departments and services is provided, often with guest speakers from the respective areas and visitations to those facilities.

- **Academic and personal skills.** Self-assessments provide personal awareness of strengths and weaknesses that affect behavior and performance. Students learn about motivation, stress management, goal setting, self-esteem and confidence, time management and financial literacy. They also develop professional skills such as teamwork, communication and emotional intelligence. Students learn how to maximize the personal benefits of using the Academic Support Center, DSC-UCF Writing Center and Library Services to improve the quality of their work and to develop stronger academic skills.
- **Technology.** In the ever-changing technological world that we live in, students need a variety of skills to use academic and personal tools. They are expected to retrieve their records using MyDaytonaState, access their online course content and submit assignments using Falcon Online and to use common software (Microsoft Office). They are provided with hands-on learning for each of these, as they will use them throughout their college career and beyond.
- **Academic and career planning.** A sense of purpose is important to motivation and completing goals. Students research and analyze their major/program of study in addition to their desired field/career. They learn how to prepare for successful completion and graduation as well as employment and the world of work.

Special Notes:

This course is a graduation requirement for 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 meet the following criteria are exempt from taking SLS1122:

- Students who transfer or readmitted students with 24+ credits and minimum 2.75 GPA
- Students who are switching from an A.S. to A.A. program with 24+ credits and minimum 2.75 GPA
- Students enrolled in an active bachelors program are not required to complete SLS1122.

Students who are exempt from SLS1122 are strong encouraged to take SLS1130L - DSC Basics. This is a **free** three-hour course that provides an overview of DSC services and college policies.

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

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: Modes of Instruction

College Your Way: Modes of Instruction

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 offers seven-week courses for students eager to earn their degrees quickly. These courses provide the same college credit as the traditional 15-week semesters but are condensed into a shorter timeframe. Course start dates vary, so students should select either session A or B for their 7-week courses.

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 an Internet connection using Falcon Online, Daytona State's learning management system. Depending on the percentage of online activity, students are charged an additional fee per course. For information on distance learning and relevant resources, visit the [Distance Learning web page](#).

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HyFlex Courses

A hybrid-flexible course section makes all course content available for both classroom (face to face) and distance learning (online) experiences. A HyFlex course has scheduled days and times, with attendance split between on campus and online requirements. On days a student is assigned to attend in person, they will come to the building and classroom indicated on their schedule. On the days a student is assigned to attend online, they will log in through either the Falcon Online Virtual Classroom or Microsoft Teams at the class start time. Students should check the Falcon Online course shell or their email for instructions about which days to attend in each modality. A computer with high-speed internet access, webcam, and microphone is required. For additional information about this course type, visit the [Course Types & Terms InfoGuide](#).

Online Courses

Online courses are delivered 80% to 100% online. Students access the course through an Internet connection using Falcon Online, Daytona State's learning management system. 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 information on distance learning and relevant resources, visit the [Distance Learning web page](#). Visit the [Online Success web page](#) for information and resources on being successful when taking an online course.

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 Petropoulos at (386) 506-3409.

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 "Revolution" (Introduction to Composition, Introduction to Humanities, Critical Thinking) and "Original Research Edition" (Report Writing, Elementary Statistics, General Psychology).

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 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 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, no matter their background. 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/Quanta-Honors-College 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

Small Business Development Center

The Small Business Development Center (SBDC) at Daytona State College is a grant-funded program of

the U.S. Small Business Administration (SBA) and a sub-center of the SBDC at UCF. The SBDC at Daytona State College is a team of certified professionals who are dedicated to providing management advice and training to aspiring entrepreneurs and existing small businesses. 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 DaytonaState.edu/SBDC.

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 <https://www.daytonastate.edu/student-resources/study-abroad/index.html>.

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:

- ENC1101 Introduction to Composition
- SPC2608 Oral Communications/Research/Presentation Skills
- MGF2130 Mathematical Thinking
- BSC1005 Survey of Biological Sciences (For Non-Science Majors) AND BSC1005L Survey of Biological Sciences Lab (For Non-Science Majors); OR BSC1010C General Biology I and Lab (For Science Majors)
- PHI2600 Introduction to Ethics
- POS2041 American Federal Government
- HUM2020 Introduction to Humanities
- CGS2100 Microcomputer Applications*

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:

- ATE1110/1110L Animal Anatomy/ Lab
- ATE1211 Animal Physiology
- ATE1311L Veterinary Office Procedures
- ATE1636 Large Animal Clinical & Nursing Skills
- ATE1650L Veterinary Clinical Practice I
- ATE1654L Veterinary Clinical Practice II
- ATE1671L Laboratory Animal Medicine
- ATE1741 Veterinary Medical Terminology
- ATE1943 Veterinary Work Experience I
- ATE1944 Veterinary Work Experience II
- ATE2050C Small Animal Breeds and Behavior
- ATE1412C Introduction to Dental Techniques

- ATE2611 Animal Anesthesia
- ATE2612 Animal Medicine
- ATE2631 Animal Nursing
- ATE2634 Animal Pharmacology
- ATE2638/2638L Animal Lab Procedures I/ Lab
- ATE2639/2639L Animal Lab Procedures II/ Lab II
- ATE2651L Animal Nursing & Medicine Lab I
- ATE2653L Animal Nursing & Medicine Laboratory II
- ATE2656L Large Animal Clinical and Nursing Skills Lab
- ATE2661 Large Animal Diseases
- ATE2710 Animal Emergency Medicine
- ATE2722 Avian and Exotic Pet Medicine
- ATE2945 Veterinary Work Experience III
- ATE2946 Veterinary Work Experience IV

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 727-302-6733 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 [Alternative Certification & Renewal](#) 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](#)

- [Spanish Application](#)

The above links can also be found under the [Volunteer/Partnership Program's website](#).

- 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 Accounting, the Bachelor of Science in Cardiopulmonary Science, 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 is close to home and features small class sizes, personal attention from expert faculty, and convenient, flexible class schedules that 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.

More than 100 degree and certificate programs to choose from

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.

Quanta-Honors College / UCF's Burnett Honors College

Many Quanta-Honors College students continue their educations beyond the Associate of Arts degree by transferring to the University of Central Florida through DSC DirectConnect to UCF. These students are eligible for transfer admission to UCF's Burnett Honors College with lower division honors requirements already satisfied if they meet specific expectations.

Blue-Gold Connection to Embry-Riddle Aeronautical University

The Blue-Gold Connection is a program that ERAU offers to students attending Daytona State College after high school graduation. This program allows students to complete a majority of their general education requirements at Daytona State College. Blue-Gold students will now have the option of obtaining an AA degree or completing a personalized course transfer guide.

Bethune-Cookman University Partnership

DSC Criminal Justice students can pursue an advanced degree in Criminal Justice at B-CU and receive admissions, transfer credit and scholarship support. The partnership provides support for Daytona State students who have earned an Associate of Arts degree or an Associate of Science degree in Criminal Justice who intend to transfer to Bethune-Cookman University to pursue a Bachelor of Science degree in Criminal Justice.

IGNITE to Florida A&M University

The IGNITE Program is an alternative path to becoming a FAMU Rattler! This program guarantees a student general admission to FAMU after completing their Associate of Arts degree from DSC.

When enrolled in IGNITE, students will have access to university resources, access to course advisement for your intended program of study, and the opportunity to attend some of our campus events for free! Enrolling in the IGNITE program not only saves time and money but also offers students the advantage of smaller class sizes.

University of Florida

Daytona State College and the University of Florida's College of Agricultural and Life Sciences offer a 2+2 articulation agreement so DSC students who complete certain requirements are guaranteed admission into UF's College of Agricultural and Life Sciences. Contact an DSC Academic Advisor today to review the requirements needed to enter the program!

Quanta-Honors College / Stetson University Honors Program

DSC's Quanta-Honors College and Stetson University's Honors Program have partnered to overcome academic and financial barriers to completing an honors bachelor's degree from Stetson University. Each semester, Quanta-Honors students are invited to Stetson's campus in Deland for an Open House featuring admissions, advising, and financial aid presentations, faculty and student meet-and-greets, campus tours, cultural experiences, and one-on-one appointments. In addition, while Stetson offers Quanta-Honors students pre-advising to ensure appropriate course selections, former Quanta-Honors students regularly return to Daytona State to answer questions about on-campus activities and student life.

New College of Florida

Daytona State College and New College of Florida, located in Sarasota, have entered a partnership that will benefit DSC students who wish to transfer to Florida's designated public honors college. Through this 2+2 agreement, Daytona State A.A. graduates who complete their degree within eight semesters of entering DSC as a non-high school student and with a 3.0 or higher cumulative GPA, are guaranteed admission and a smooth transition to NCF. Academic pathways are available for students with an interest in biology, chemistry, economics, liberal arts (general transfer), marine biology, and psychology.

Palmer College "3+1" Program

Interested in a career in chiropractic medicine? Daytona State College's unique "3+1" partnership with Palmer College offers an accelerated pathway to

your Doctor of Chiropractic degree, saving you time and tuition dollars. This program allows you to begin your chiropractic studies sooner by strategically combining your bachelor's and doctoral degrees while you are a student at both Daytona State and Palmer College.

The first step of the "3+1" program involves completing an Associate of Arts (AA) degree that includes 24 credits of Palmer-approved science courses. Next you will begin the Bachelor of Applied Science (BAS) in Supervision and Management. Once a minimum number of credits and requirements have been completed, you can then transfer to Palmer and start your doctoral program. After a year at Palmer, you will send your completed credits back to Daytona State College to officially finish your bachelor's degree.

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, project management, human resource management, supply chain management, or healthcare management.

The Bachelor of Science in Accounting (BSA) prepares graduates for positions in business and accounting in the private and public sectors. A strong foundation is provided in financial accounting, managerial accounting, cost accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement analysis, business information systems, and applications to specific for-profit, public, and non-profit organizations.

The Bachelor of Science in Cardiopulmonary Science (BSCS) offers advanced training and skills for registered respiratory therapists. The program will

help students advance their careers with an expanded scope of practice, opportunities in leadership and education, management of moderate complexity lab testing, and opportunities in tele-health medicine.

The College 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 or industrial 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 your goal is to swiftly enter the workforce or enhance your skills, Daytona State College offers career programs designed to equip you for high-demand professions. Explore our array of associate of science and certificate programs to discover the ideal pathway for achieving your goal of immediate career entry upon graduation.

Small class sizes

With a 21:1 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 provides a flexible range of courses, available during the day, evening, online, on weekends, through independent study, and self-directed modular learning. Explore the diverse array of classes offered by visiting the Course Descriptions section of the catalog.

State-of-the-art 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.

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.

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

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General Admission Requirements

Admission Requirements for Associate Degrees and Certificate Programs:

Daytona State College has an open-access policy, which gives all students the opportunity to pursue an education beyond high school. Admission to the college is granted to applicants who have earned a Florida standard high school diploma or GED® or completed a home school or Personalized Education Program (PEP). 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.

Application does not result in admission to a specific program. Once all academic records are reviewed, the college reserves the right to change the student's major to reflect an eligible status.

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:

- Advanced Welding
- Advanced Machining Technologies
- Automotive Collision Repair and Refinishing
- Automotive Service Technology
- Barbering
- Building Trades and Construction Technology
- CNC Machining
- Cosmetology
- Heating, Ventilation, Air Conditioning/Refrigeration Mechanic
- Heating, Ventilation, Air Conditioning/Refrigeration Technology
- Welding Technology (Applied)

Students who have received a Certificate of Completion-CPT or PERT 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.

Bachelor's degrees, Advanced Technical Certificates, Teacher Certifications and the Educator Preparation Institute may have additional admission requirements. Please see the program guide for details.

Admission Requirements for Adult Education:

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

Adult Basic Education (ABE)

English for Speakers of Other Languages (ESOL)

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
- 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 and PEP 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

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 all bachelor's programs in order to change levels. Each bachelor's degree has unique additional admission requirements. Visit their program pages for more details.

Submit Final, Official Transcripts - Submit final, official high school or GED® transcript, including a graduation date. Students who graduated from a home school program, including a Personalized Education Program (PEP), are required to submit a home school verification. Students who are home schooled outside Florida must provide proof that they have met both their State's graduation requirements and its homeschool regulations.

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 via a secure transcript sending service. 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. To prevent a registration hold and potential delays in financial aid, students are required to submit all transcripts. (Adult Education students do not need to submit transcripts.)

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 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. (Adult Education students are not eligible for financial aid.)

Complete Placement Requirements – Fulfill placement requirements by taking the P.E.R.T. for college credit programs or the CASAS for vocational credit programs. If you have previous coursework or have taken the SAT, ACT, AP or IB, please submit official records to Admissions. 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 as well as active duty military are exempt from any placement testing. Applicants who completed home school or a PEP in Florida, as well as certain Florida private school graduates are exempt from taking the CASAS for Career and Technical programs. Meet with an Academic Advisor to determine the most appropriate placement method for you. Visit the Assessment web page to schedule your appointment.

Complete Online Orientation – Log in to Falcon Self Service in the student portal (My.DaytonaState.edu). Click on the Orientation link within the Holds section of your portal. Complete orientation before attending your New Student Advising session. (Adult Education students are not required to complete this orientation.)

New Student Advising - Scheduling your new student advising session is the next important step towards enrolling in class. All sessions are in a group format, with an opportunity for Q & A. If you have questions after this session, you can schedule an individual follow-up appointment. Visit the Academic Advising web page to schedule your group session.

Register for Classes - Log in to Falcon Self Service in the student portal (My.DaytonaState.edu). Look for the graduation cap icon and select "enroll by my

requirements." Help guides with step-by-step instructions are available at www.daytonastate.edu/help.

- Some degrees have unique registration requirements. Visit their program pages for more details.
- Adult Education students will be registered by Falcon Center Registration staff on any campus after receiving their placement results.

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 Falcon Self Service in the student portal (My.DaytonaState.edu). Select "Financials" from the menu bar and then select "What I Owe." You can click/expand the Term row to see the due date.

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 <https://www.daytonastate.edu/student-resources/bookstore/index.html>

Florida Residency for Tuition Purposes

Daytona State's fees and tuition are based upon a student or in the case of a dependent child their parent or legal guardians' status as a legal permanent Florida resident. Documents used for establishing residency are due in the Admissions Office by the first day of classes. Failure to submit all required documents will result in the assessment of the full cost of tuition for classes.

A Florida "resident for tuition purposes" is a person who has, or a dependent person whose parent or legal guardian has, established and maintained legal residency in Florida for at least twelve (12) consecutive months preceding the first day of classes of the term for which Florida residency is sought. Living in or attending school in Florida will not, in itself, establish legal residence. Students who depend upon out-of-state parents for support are presumed to be legal residents of the same state as their parents. Residency for tuition purposes requires the establishment of legal ties to the State of Florida. A student must verify that the student has broken ties to other states if the student or, in the case of a dependent student, his or her parent has moved from another state. There must be an absence of conflicting information. Residency determinations are made in accordance with section 1009.21 of the Florida State Statutes and State Board Rule 6A-

10.044 which outlines the legal parameters for establishing residency for tuition purposes.

- To qualify as a Florida resident for tuition purposes, the student must be a U.S. citizen, a foreign national in a nonimmigrant visa classification that grants the legal ability to establish a bona fide domicile in the United States, a permanent resident alien, parolee, asylee, Cuban-Haitian entrant, legal alien granted indefinite stay by the U.S. Citizenship and Immigration Services, or other qualified alien as defined under federal law. All non-U.S. citizen students seeking classification as a Florida resident for tuition purposes are required to submit documentation of their legal status in the United States as issued by the United States Citizenship and Immigration Services office.

- Other persons not meeting the twelve-month legal residence requirements may be classified as Florida residents for tuition purposes only if they fall within one of the limited special categories authorized by the Florida Legislature pursuant to section 1009.21, Florida Statutes. The list can be found on page 4 of the Florida Residency Declaration for Tuition Purposes. For more information contact the Admissions Office.

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. An independent student is generally:

- At least 24
- Married
- A veteran or member of the armed forces
- Ward of the court
- Someone with a legal dependent other than a spouse, pursuant to the United States Department of Education for the purposes of financial aid eligibility.

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 items with dates that evidence the 12-month qualifying period. At least one of these documents must be from the tier one list. No single document is considered conclusive, and there must be no conflicting evidence present. The residency determination must be documented by submitting written or electronic verification that includes two or more of the specified documents. However, if the document provided is proof of the Florida Homestead exemption, it is deemed a single, conclusive piece of evidence proving residency.

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 permanent home in Florida occupied as primary residence for 12 consecutive months prior to the student’s enrollment. (Required: document such as a deed and other evidence documenting use as primary residence, or a lease of multiple years’ duration with proof of payment).
- 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.

- Documents evidencing family ties in Florida.
- Proof of membership in a Florida-based charitable or professional organization.
- Any other documentation that supports the student's request for resident status.
- Examples of "other" documentation:
 - Utility bills and proof of 12 consecutive months of payments.
 - Lease agreement and proof of 12 consecutive months of payments.
 - Official state, federal, or court documents evidencing legal ties to Florida.
 - Unacceptable documentation includes a hunting/fishing license, a library card, a 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, 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. Prospective students should begin the application process at least six months before their intended start term. To get started, students should visit the International Student section of the Daytona State website for the most up-to-date admission requirements.

Degree seeking students must submit the following official records:

Application - Complete the application for admission at DaytonaState.edu/apply.

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.

Verify Finances - Complete the Verification of Finances Form. Submit supporting documentation such as bank letters, award letters, etc. All financial documents must be in English and U.S. dollars. Additional instructions are available from the Admissions Office.

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

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 (p. 439), 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

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

Passport Copy - Submit a clear copy of your passport. After you submit all required documents, Daytona State College will email your SEVIS Form I-20 and Letter of Acceptance to you at the email 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 email you the I-20 eligibility form attached to your acceptance letter. Pay the SEVIS fee at 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.
- Complete New Student Advising and Orientation.
- Provide proof of health and accident insurance coverage to the International Student Advisor at the beginning of each semester.
- Attend the International Student Orientation.

**** International students must enroll in a minimum of 12 credits each semester to maintain full-time status, regardless of program requirements. They must attend classes at the Daytona or ATC campus and complete at least 9 of their 12 credits through in-person instruction. Exceptions may be granted for the final semester of enrollment or by special permit. circumstances. For more information, please contact the International Student Advisor.**

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

Application - Complete the application for admission at DaytonaState.edu/apply.

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) <http://naces.org/members/>

Verify Finances - Complete the Verification of Finances Form. Submit supporting documentation such as bank letters, award letters, etc. All financial documents must be in English and U.S. dollars. Additional instructions are available from the Admissions Office.

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

- 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.

Passport Copy - Submit a clear copy of your passport. After you submit all required documents, Daytona State College will email your SEVIS Form I-20 and Letter of Acceptance to you at the email 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 email you the I-20 eligibility form attached to your acceptance letter. Pay the SEVIS fee at 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.
- Complete New Student Advising and Orientation.
- Provide proof of health and accident insurance coverage to the International Student Advisor at the beginning of each semester.
- Attend the International Student Orientation.

****International students must enroll in a minimum of 12 credits each semester to maintain full-time status, regardless of program requirements. They must attend classes at the Daytona or ATC campus and complete at least 9 of their 12 credits through in-person instruction. Exceptions may be granted for the final semester of enrollment or by special permit. 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.

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
- Criminal Justice Technology Bridge
- Dental Assisting
- Dental Hygiene
- Diagnostic Medical Sonography
- Emergency Medical Services
- Emergency Medical Technician
- Fire Fighter
- Florida Law Enforcement Academy
- Massage Therapy
- Medical Assisting
- Medical Information Coder / Biller
- Nursing (Associate Degree)
- Nursing (Transition Into Profession)
- Occupational Therapy Assistant
- Operations Management Technology
- Paramedic
- Phlebotomy
- Physical Therapist Assistant
- Practical Nursing
- Radiography
- Respiratory Care
- Surgical Technology

Maximum Course Load and Credit Overload

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

Credit Overload

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

Readmission to Daytona State College

Students who previously attended Daytona State must:

- Resubmit an admission application to the Admissions Office if you were not enrolled during the last two major semesters (fall, spring);
- Contact the Admissions Office to update your application if you were admitted to the College for a given semester but did not register for courses. Applications for students who applied but did not register are maintained for one year. If you applied prior to that, a new application is required.
- Daytona State College follows the guidelines for readmissions/course release that align with provisions for Service Members provided in Chapter 3 of Volume 2 of the Federal Student Aid Handbook set forth in the Federal Student Handbook for Service Members.
- The College of Health and Public Services offers flexible enrollment and readmission options for active-duty service members who may need to interrupt their studies due to military obligations. This includes provisions for temporary leaves of absence and streamlined readmission processes upon their return. Accommodations will be made to ensure that the academic progress of active-duty service members, who might be deployed on short notice, is not negatively impacted. Considerations for incomplete grades, course extensions, or grade appeals may be necessary and will be addressed on a case-by-case basis. Active-duty service members will not face academic penalties for military-related absences or interruptions.

After reapplying to the College, students will follow all other steps for enrollment (p. 66) 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

Health 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 Counseling & Accessibility 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 attend a group New Student Advising Session before they can register for their first semester of course work. During the session, Academic Advisors will assist you by reviewing placement and program requirements, discussing required course work and policies governing allowable first-semester courses, and showing you how to use the Degree Planner and Schedule Builder.

Advisors will also review important information that you need to be successful in college. After attending the group session, you will have the opportunity to schedule a one-on-one meeting with an Advisor for personalized assistance. After learning how to locate your classes, you are responsible for selecting your course meeting days and times and registering for your courses online, in the Falcon Center on the campus of your choice, or remotely over the phone or email. More specific descriptions about services and department contacts are available at <https://www.daytonastate.edu/advising/>.

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 connected to an academic advisor and based off the program of study 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 an intended major with your advisor, you will receive an advising hold at the beginning of the semester instructing you to meet with an academic advisor to discuss your intended major. You must meet with an academic advisor and declare your intended major 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 Beach/Edgewater, 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 and we encourage you to check your free student 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 credit toward a career certificate or an associate or baccalaureate degree 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, Counseling & Accessibility 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 <https://www.daytonastate.edu/dual-enrollment>.

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, games, quizzes, and text. The online orientation is designed to 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 in Falcon Self-Service at [MyDaytonaState](#). You will be required to enter your Username and password. After you are logged in, if required to complete you will see the Orientation as a Hold. Online Orientation can be accessed from any device with internet access (home, work, public library, or Daytona State computer labs).

Career Services

The Career Services Office ensures current students and alumni are career-ready. By offering support related to major and career selection, resume and interview preparation, and transfer connections, the Career Services Office is devoted to helping job seekers achieve their academic and career aspirations by emphasizing student success and embracing excellence.

Our services are available at the regional campuses and the main campus in Daytona Beach.

Career Readiness & Job Search Assistance

Career Services provides complete support for Daytona State College students and alumni seeking employment. Whether finding a temporary job while attending Daytona State, or preparing for your first professional job following graduation, we provide specialized expertise to help you accomplish your goals.

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 Job Board (Handshake)** – This is your opportunity to connect with employers who are specifically looking for Daytona State College students and alumni.
- **Big Interview** - An interactive, multimedia tool that helps you practice and enhance your job interviewing skills.
- **Workshops** - Examples include: Resume Building, Mock Interviews, Career Services Presentations, and more.
- **Business Etiquette** - Develop your confidence and skills for interacting in professional settings.
- **Dress for Success** - Learn the do's and don'ts of what to wear once you land that interview
- **Employer Recruitment Visits** - Come prepared with a resume and network with local employers looking to hire qualified candidates at our Daytona Beach Campus.
- **University Recruitment Visits and Transfer Connections** - Attend a Transfer Fair (virtually or in-person, given availability) to learn more about transfer requirements for popular colleges and universities in the state of Florida.

Contact Us:

Career Service Advisors look forward to leveraging your education and training as you transition into the workforce in your chosen career field. Services are available to all currently enrolled students and alumni of Daytona State College. Visit the Appointment Scheduler for appointment availability at your preferred campus, virtually via Microsoft Teams, or over the phone.

Phone: 386-506-3073

[Website](#)

[Appointment Scheduler](#)

Email: CareerServices@DaytonaState.edu

In-Person: Daytona Beach Campus, L. Gale Lemerand Student Center, (Building 115), Room 224

Assessment

Assessment Services

Assessment Services provides students, faculty, staff and the community with professional, secure, quality testing services, as well as information, registration and administration of a wide range of tests. Our Assessment Specialists are here to assist you throughout your college experience with placement testing, instructor make-up exams, exams to earn college credit, GED® diplomas, distance learning and specialized program testing. Assessment Services also assist with the Assessment of Prior Learning Experience (APLE) program. Assessment Services adhere to the Professional Standards and Guidelines set forth by the National College Testing Association (NCTA) and the Florida Association of College Test Administrators (FACTA). Students can take the following assessments at Daytona State College:

- Daytona State placement tests - Postsecondary Education Readiness Test (P.E.R.T.), Adult Education - Comprehensive Adult Student Assessment Systems (AE-CASAS), English For Speakers of Other Languages (ESOL) – CASAS, and College Board Next Generation Accuplacer
- Daytona State program entrance exams - Florida Department of Law Enforcement Basic Abilities Test (BAT) and Test of Essential Academic Skills (TEAS)
- CLEP (College Level Exam Program) exams
- DSST (DANTES Subject Standardized Tests) exams
- Certification Exams - Examples include: IT, SOCE, FTCE, AHIMA, FLORIDA FIRE STANDARDS & PREVENTION, NREMT

- 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, CLT or Accuplacer 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 or alternative methods listed on the Placement Tests and Exemptions page in the catalog. 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.

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, Practical Nursing Vocational Certificate, and Dental Hygiene Associate Degree and Radiography Associate Degree 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. Please visit the [Assessment website](#) for further information.

Basic Abilities Tests (BAT) - The Florida Department of Law Enforcement (FDLE) requires students applying to the Daytona State College Florida Law Enforcement Academy or Correctional Officer Recruit Training programs to successfully complete a Basic Abilities Test (BAT) before

admission to the program. Please visit the [Pearson Vue website](#) for further 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, 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 the Department Chair for the subject area of desired credit to identify courses that match your prior experience and may qualify for the APLE credit program.
- Complete eligibility and registration APLE forms with Department Chair.
- Meet with Assessment Services staff to review forms and complete payment form.
- Make payment of all fees with Student Accounts.
- 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 Suite of Assessments (SAT), ACT, CLT or Accuplacer 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. All placement tests and tests used for exemption to the placement tests are valid for two years.

Exemptions and Alternative Methods to the Placement Tests

You are not required to take the related portions of a placement test if the following conditions are met:

- SAT scores of 24 or above on Reading and 25 or above on Writing and Language, or 24 or above on Math for placement into Intermediate Algebra (MAT1033), or 26.5 or above on Math for placement into College Algebra (MAC 1105);
- Digital SAT or 3 Digit SAT scores of 490 or above on Evidence-Based Reading and Writing Section, or 480 or above on Math for placement into Intermediate Algebra (MAT1033);
- 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);
- CLT scores of 38 or above on Sum of the Verbal Reasoning and Grammar/Writing Sections, or 16 or above on Quantitative Reasoning Section
- Accuplacer (Next Generation) scores of 245 or above on both the reading and language or for math a 242 or above on Quantitative Reasoning, Algebra and Statistics;
- Proof of successful completion of the equivalent of ENC 1101 (Introduction to Composition) or

MAT1033 (Intermediate Algebra) at another college.

- 2014 GED Test Reasoning through Language Arts and Mathematics Reasoning minimum score of 165 or above; 145 (AE-CASAS test only).
- PSAT/NMSQT and PSAT 10 scores of 24 or above on Reading and 25 or above on Writing and Language, or 24 or above on Math.
- Digital PSAT/NMSQT and PSAT 10 scores of 490 or above on Evidence-Based Reading and Writing Section, or 480 or above on Math.
- PACT scores of 22 or above on the Reading or 18 or above on English or 22 or above on Math.
- GED scores of 165 or above in Reasoning through Language Arts and Mathematics Reasoning.
- TASC scores of 580 or above in Language Arts Reading and 560 or above (and 6 on Essay) in Language Arts Writing or 560 or above in Mathematics.
- HiSET scores of 15 or above in Language Arts Reading and 15 or above in Language Arts Writing or 15 or above in Mathematics.
- EOC scores of 4 in Algebra 1 or Geometry.
- ALEKS PPL scores of 30 in Mathematics.
- Unweighted high school GPA of a 3.0 or higher, and grades of B or higher in AICE, AP or IB English or mathematics courses apart of section 6A-10.0315.
- Unweighted high school GPA of a 3.0 or higher, and grades of B or higher in certain high school coursework from Florida Public High Schools apart of section 6A-10.0315.

Financial Aid

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-study. 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.

Financial Aid Services

Financial Aid is available to help eligible students meet educational expenses. This aid is provided

through multiple sources, including federal and state governments, directly from the College, or through private sources and may consist of grants, scholarships, loans or work.

The Office of Financial Aid Services assists more than 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 easier than ever.

The first step in applying for all forms of financial assistance 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.studentaid.gov. Be sure to add Daytona State College's federal school code on the application: 001475.

After completing the FAFSA® application, students will receive an electronic copy of their responses called a FAFSA Submission Summary (FSS). The school will also receive this information and determine if any additional information is needed.

Some of our students are required to submit additional documentation because they are selected for the federal verification process. If a student is selected, they can view the requested documents on their student portal. To access the portal, log on to Daytona State College home page and click on the MyDaytonaState link. Requested documents should be submitted as soon as possible. Most of the documents are electronic for the convenience of our students and parents, and do not require a student to come to campus.

The financial aid process can be lengthy; please allow Financial Aid Services about 2 to 3 weeks to process any paperwork submitted. 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. Late applicants will have their applications considered for an award on a rolling basis.

Financial Aid Services team members are available to assist students Monday through Friday in the Daytona Beach Campus office, as well as on the regional campuses.

The main office address is:

Daytona Beach Campus

Building 100, Room 104

1200 W. International Speedway Blvd

Daytona Beach, FL 32114

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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 fill the critical needs 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 as determined by the donor.

The Daytona State College Foundation scholarship application process opens in the spring semester for scholarships for the following fall, spring, and summer semesters. The Foundation Application can be found at www.Daytonastate.edu/scholarships.

For additional scholarship information, please call 386-506-3015, email Scholarships@DaytonaState.edu or visit the Financial Aid Services Office at your nearest campus location.

The Foundation embraces the concept of the College's 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.

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 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 to complete the 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. 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.)
8. 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 [FAFSA].)
9. Consent to have all information imported directly from the IRS. Failure to consent to have this information pulled into the FAFSA will result in a student being ineligible for federal, and state need based financial assistance.
10. 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 students 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 <https://www.daytonastate.edu/payments/disbursements-refunds.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 above the amount for 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 directly to the student's account. However, before disbursements are made, there are a few items to keep in mind:

- Per federal regulations, the earliest date a loan may be disbursed to students who have not completed a minimum of 30 credits in their 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 StudentAid.gov.
- Parent PLUS Loan refunds will be sent to either the student or the parent based on the parent's selection while completing the Parent PLUS Loan application. Parents choosing to receive any excess Parent PLUS Loan funds will receive a paper check sent to the mailing address on the Parent PLUS Loan application.
- Students attending both fall and spring semesters will receive 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. 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 assistance is partially based on enrollment status, as well as the start date of classes. Students should be aware 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. Department of Education (ED). As part of the FAFSA Simplification Act, the FAFSA® application, as well as the formula used to determine students' eligibility were changed. The formula determines students' Student Aid Index (SAI). The SAI is simply a formula number based on information provided the Internal Revenue Service (IRS) to assist in determining the amount of financial assistance each student can receive. A student is considered to have financial need if the SAI is less than the cost of attendance.

The cost of attendance is determined by Daytona State College using rules established by the U.S. Department of Education. The cost of attendance includes both direct and indirect costs associated with attending college. For example, direct costs are costs charged by Daytona State College, such as tuition and mandatory fees. Indirect costs include items not charged to students' accounts but are still important, including transportation costs, and personal expenses.

How Does a Student Apply for Financial Aid?

Applying for financial assistance has never been easier!

Daytona State College requires students to complete the FAFSA® form and strongly encourages students to apply for the DSC Foundation Scholarships each year.

- Create a Federal Student Aid (FSA) ID at <https://studentaid.gov/fsa-id/create-account>
- Do not share this information with anyone, as it is linked to a student, or parent's, social security number and date of birth
- Keep it in a safe place, as students and parents will use this throughout their academic career.

- This FSA ID will act as a signature on the FAFSA, master promissory notes, and entrance counseling.
- Complete the FAFSA® application at <https://studentaid.gov/h/apply-for-aid/fafsa> and takes approximately 30 minutes from start to finish. Please be sure to have the following handy and take note of the following:
 - The FSA ID created for the student, parent, and/or spouse
 - DSC's school code: 001475
 - Students, and parents, or spouses (if applicable) must provide consent to have the tax information pulled in from the IRS. Failure to consent to this step will make a student ineligible for federal, and in some cases, state financial assistance.
 - Submit any requested documentation. The U.S. Department of Education (ED) selects students for a process called verification. This is to ensure the information on the FAFSA® application matches the information provided by the IRS. If there is conflicting information, we are required to resolve it before a student is eligible to receive aid. Students should check their MyDaytonaState often and submit any documentation requested as soon as possible.)

Standards of Satisfactory Progress

Satisfactory Academic Progress Procedures

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, or 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 at Daytona State College. 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 that 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 SAP Appeals must be submitted along with supporting documentation of a student's extenuating circumstance(s) which prevented the student from successfully meeting the standards of SAP. Since SAP Appeal decisions are determined on a case-by-case basis, students may contact the Financial Aid Services Office for access to the SAP Appeal through their student portal, by calling 386-

506-3015 or email at FinancialAid@DaytonaState.edu.

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. A student whose appeal has been approved 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. Satisfactory Academic Progress (SAP)

Academic Plan: If a student submits a SAP Appeal and is approved the student will be placed on a SAP Academic Plan for the semester in which the SAP Appeal is approved in. The Financial Aid Services Office will forward the student the SAP Academic Plan to review, sign and return to the Financial Aid Services Office prior to the reinstatement of financial aid. Students should sign and return the SAP Academic Plan within 10 days of receipt to ensure aid is available for the upcoming semester.

Students on an approved SAP Academic Plan may continue to receive financial aid, even though they are not in good standing. If upon review, at the end of the approved semester, the student has met the

requirements of their approved SAP Academic Plan, the student will continue on the SAP Academic Plan for the subsequent semester of enrollment.

Upon SAP Appeal review, if approved, 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 may lose the ability to submit another appeal for reconsideration.

The requirements of the SAP Academic Plan will vary depending on the student's specific academic history. In general, students who are approved for a SAP Academic Plan will be required to successfully complete 100% of all attempted credit hours 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.

If a student fails to meet the requirements of their approved SAP Academic Plan, the student has the right to request an appeal again if there was a significant, one-time unanticipated, life changing event while on the SAP Academic Plan that caused the student to withdraw, or fail classes, during the semester in which they were on the approved SAP Academic Plan.

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, changes to another degree or certificate program, their SAP status may be audited to only count those credit hours that are applicable to their new program of study. Courses that do not count towards 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 Center (Building 100), Room 104, and may be reached by calling 386-506-3015.

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 withdraws 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 W1 and is also accompanied by the last date of attendance.

The data reported by the faculty will be used in the determination if 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 Services 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 U.S. Department of Education (ED), 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 (ED) 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 ED to repay the overpayment to retain eligibility for Title IV financial aid.

Unpaid balances will result in a hold on the student's record and future registration activity. Furthermore, these debts may be referred to an outside collection agency and reported to the 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.

Students selected for verification at the time of withdrawal

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 Title 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 refunds 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 student's Student Aid Index (SAI), the length of the program of study, the number of credits a student is enrolled in to determine the enrollment intensity.). 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.

As of 2024-2025, for Pell Grant awarding purposes (applicable to college credits), DSC looks at the number of credits a student is taking per semester and divides it by 12 credits to determine students' enrollment intensity. Then we take the amount of semester Pell and multiple it by the enrollment intensity percentage. Please review the chart below.

Credits Enrolled	Divided by 12	Enrollment Intensity
12	12	100%
11	12	92%
10	12	83%
9	12	75%
8	12	67%
7	12	58%
6	12	50%
5	12	42%
4	12	33%
3	12	25%
2	12	17%
1	12	8%

For 2025-2026, the Pell Grant can be awarded up to \$7,395 for full-time attendance during an academic year, with some students receiving the minimum Pell Grant amount of \$740. 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 a student is eligible to receive a Federal Pell Grant is 12 semesters of full-time enrollment, or 600 percent%. **Students taking pre-requisite courses, in a conditional program, are not eligible for Pell Grants.**

Federal Supplemental Educational Opportunity Grant (FSEOG)

Funded by the U.S. Department of Education, 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

- Students must complete the FAFSA® application

- 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. On a case by case basis, Financial Aid Services may offer a DSC Need Grant for students who have completed a baccalaureate or professional degree, if funds are available. 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. 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 student program 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. Due to sequestration, the amount of TEACH Grant a student will receive is reduced by 5.7% for 2025-2026. This means if students are eligible for \$4,000 for the year, they will only receive \$3,772.

Iraq and Afghanistan Service Grant – As a result of the FAFSA Simplification Act, no new Iraq and Afghanistan Service Grants will be made in 2024-2025 or moving forward. Instead these students may receive the maximum Pell Grant award.

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.

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 admitted and current students who might otherwise not be able to afford a college education. The Foundation offers scholarships that have been established by outside donors. The online scholarship application is open at the beginning of each spring for the following academic year. For the current years DSC Foundation Application, please go to <https://daytonastate.edu/scholarships>. Enter the single sign on log-in credentials and complete the application. Please contact Financial Aid Services at (386) 506-3015 or email scholarships@daytonastate.edu 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.

For questions concerning student employment, please contact Financial Aid Services at (386) 506-3015, or email StudentEmployment@DaytonaState.edu.

D. Direct Loans

Direct Loans are considered federal financial aid funds that must be repaid. 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, spring or summer) will receive 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 an Direct Unsubsidized Loans, after initial awarding and if qualified for additional funds. The loans available at Daytona State are listed below:

Federal Direct Subsidized Loan – Federal Direct Subsidized Loans are made by Department of Education (ED) and eligibility is based on financial need. The loan's interest rate for Undergraduate students is 6.39% for loans first disbursed on or after July 1, 2025, and before July 1, 2026. 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-ratio 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 1.057% origination fee which will be deducted from the gross amount of the loans disbursed on or after 10/1/2024 and before 10/1/25. 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:

The following may apply if you haven't taken out a federal student loan before:

- If you're a first-year undergraduate student and a first-time borrower, you may have to wait 30 days after the first day of your enrollment period (semester, trimester, etc.) before your school is allowed to give you your loan money. Check with your school to see whether this rule applies.
- If you're a first-time borrower of a Direct Subsidized Loan or a Direct Unsubsidized Loan, you must complete entrance counseling before your school can give you your loan money.

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 for Undergraduate students is 6.39% for loans first disbursed on or after July 1, 2025, and Before July 1, 2026. There is a 1.057% origination fee which will be deducted from the gross amount of the loans disbursed on or on or after 10/1/2024 and before 10/1/22025. 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-ratio 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 8.94% for Direct Loans First Disbursed on or after July 1, 2025, and Before July 1, 2026. There is a 4.228% origination fee which will be deducted from the gross amount of the loans disbursed on or after 10/1/2024 and before 10/1/2025. Parent PLUS borrowers may borrow up to the cost of attendance 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.**

Direct Educational Costs (Estimated)	In-State	Out-of-State
Associate Tuition & Mandatory Fees (30 credit hours)	\$3,106	\$11,995
Indirect Educational Cost (Estimated)(30 credit hours)	Off-Campus	On-Campus
Books & Supplies	\$1,400	\$1,400
Housing	\$12,312	\$7,158
Food	\$4,474	\$4,624
Personal	\$3,078	\$3,078
Transportation	\$2,240	\$1,120
Loan Fees***	\$48	\$48
Total Budget for One Academic Year of Associate study	\$26,610 In State \$35,499 Out of State	\$20,486 In State \$35,499 Out of State

*On-Campus rate based on average of the room types available.

**On-Campus rate based on Silver Meal Plan would replace Food

***Loan Fees are removed if Direct Loan is not accepted

Direct Educational Costs (Estimated)	In-State	Out-of-State
Baccalaureate Tuition & Mandatory Fees (30 credit hours)	\$3,645	\$16,513
Indirect Educational Cost (Estimated)(30 credit hours)	Off-Campus	On-Campus
Books & Supplies	\$1,400	\$1,400
Housing	\$12,312	\$7,158*
Food	\$4,474	\$4,624**
Personal	\$3,078	\$3,078
Transportation	\$2,240	\$1,120
Loan Fees***	\$48	\$48
Total Budget for One Academic Year of Baccalaureate study	\$27,149 In State \$32,871 Out of State	\$21,025 In State \$32,871 Out of State

*On-Campus rate based on average of the room types available.

**On-Campus rate based on Silver Meal Plan would replace Food

***Loan Fees are removed if Direct Loan is not accepted

Direct Educational Costs (Estimated)	In-State	Out-of-State
Vocational	\$2,502	\$9,904

Certificate
Tuition &
Mandatory
Fees(30 credit
hours) *

Indirect Educational Cost (Estimated)(30 credit hours)	Dependent/ Independent(Off- Campus)	On- Campus
Books & Supplies	\$1,400	\$1,400
Housing	\$12,312	\$7,158
Food	\$4,474	\$4,624
Personal	\$3,078	\$3,078
Transportation	\$2,240	\$1,120
Loan Fees**	\$48	\$48
Total Budget for One Academic Year of Vocational study	\$26,006 In- state\$33,408 Out of State	\$19,882 In- State\$27,284 Out of State

*On-Campus rate based on average of the room types available.

**On-Campus rate based on Silver Meal Plan would replace Food

***Loan Fees are removed if Direct Loan is not accepted

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.

For Post 9/11 GI Bill® (Ch 33) students and VA Vocational Rehabilitation and Employment (Ch 31) students, our tuition policy complies with 38 USC 3679(e) which means Post 9/11 and Vocational Rehabilitation and Employment students will not be charged or otherwise penalized due to a delay in VA tuition and fee payments. For eligibility consideration, a Post 9/11 GI Bill® student must submit a VA Certificate of Eligibility (COE) and a Vocational Rehabilitation Student must provide a VAF 28-1905 form. Student must provide copy of COE that proves 100% eligibility.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill

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 <https://studentaid.gov/h/apply-for-aid/fafsa>.

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 VA School Certifying Official is located in the Office of Student Accounts (Daytona Beach Campus, Wetherell Center, Building 100, Room 102). The VA School Certifying Official can be reached at 386-506-3065 and the Veterans Center Coordinator can be reached at 386-506-3870.

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:

- Born before January 1, 2002;
- Married on, or before the FAFSA® form filing date and continue to be married (not separated);
- The student is currently serving on active duty in the U.S. Armed Forces
- Has children or legal dependent(s) (other than a spouse) who receive more than half of their support from the student now and between July 1, 2025 and June 30, 2026;
- at any time since the student turned 13, both of the student's biological, or adoptive, 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, 2024, 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, 2024, 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 answered "yes" to one of the above questions, the student is dependent and parental information must be reported.

Daytona State College will ask you to provide supporting documentation of these circumstances, if you are under 24 years of age.

Students under the age of 24, who no longer live with their parents are considered to be dependent students, unless there are extenuating circumstances. We encourage students who have questions to reach out to Financial Aid Services.

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.

Students on Academic Alert, Academic Warning, Probation, or Academic Suspension who earned a 'D', 'F', or 'W1' from an online course must complete the Online Success Seminar (OSS) before continuing to take fully online (80-100%) courses. The OSS is a one-time, 3-hour, fully online, seminar, which helps identify personal strengths and challenges to online learning. Additionally, the OSS helps students explore resources which support growth in key areas of concern.

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 than 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" (once in a lifetime) program that benefits students who are returning to the college or transferring to Daytona State when their prior educational experience has not been totally satisfactory.

Upon the Academic Second Chance Amnesty Appeal approval, qualifying courses with the original grade of "F" is excluded from GPA calculations and are coded as "AMN" indicating the amnesty has been applied.

The program will only apply to additional courses taken toward a subsequent degree.

Courses that receive amnesty will count for the Financial Aid Satisfactory Progress Policy regarding attempted and/or earned credits.

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.

A. Academic Second Chance Program – 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 consecutively at Daytona State College (college preparatory and/or developmental 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 “C” (2.0 GPA) or better 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.

The Second Chance Program **DOES NOT** apply:

- Once a certificate or an associate or bachelor's degree has been earned

The Second Chance Program **DOES** apply:

- 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.

B. Academic Second Chance Program – 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 and/or program change, the Academic Second Chance Policy permits a student to select up to three grades of “F” (not to be used in the GPA calculations) for courses required earned previously in required courses (not electives or General Education courses).

In the prior major with DSC, an “F” earned in previously required courses will be marked as “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.

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How will the Academic Amnesty reflect on my Daytona State College Transcript?

Grades for courses that qualify for this amnesty program will remain on the transcript and coded as “AMN” to indicate the amnesty was applied.

The following statement will be added to the student's course on the transcript as: “Academic Amnesty and the transcript legend will indicate “AMN” grade.

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Financial Aid Satisfactory Progress Policy

Courses that receive amnesty will still count for the Financial Aid Satisfactory Progress Policy with regards to attempted and/or earned credits.

The program will have 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.

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.

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.

To preserve academic excellence and integrity, the College expects you to know, understand and comply with the Academic Integrity Policy, which prohibits academic dishonesty in any form, including, but not limited to, cheating and plagiarism. Grades conferred by instructors are intended to be accurate and true reflections of the coursework produced and submitted by you.

Unless otherwise explicitly instructed, students are not allowed to use any alternative/Artificial Intelligence (AI) generation tool (including, but not limited to, Chat GPT) for any type of submission or assessment.

Faculty reserve the right to use Artificial Intelligence (AI) detection software to find instances of AI-generated writing in student submissions.

Suspected violations of the student academic dishonesty code will be handled by individual instructors as outlined in their course syllabus. An instructor who finds that a student has violated Academic Integrity may apply an academic consequence ranging from a zero for the assignment, up to and including failure for the entire course.

Instructors are encouraged to report cases of academic integrity violations to their academic department chairperson and to the Office of Judicial Affairs to help track habitual violations of academic integrity and for review and possible additional academic consequences.

In addition, some students may be referred to the student disciplinary process for appropriate disciplinary resolution.

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.

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, 24 credits
3. Certified FDLE Officer to Criminal Justice Technology Bridge A.S. – CJD2990, 27 credits
4. FDOE Career and Technical Education, Statewide Articulation Agreements
5. High School Career Pathways Articulation – Volusia/Flagler Schools; Lake County Schools
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.

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:

The credit received from Nationally Recognized Exams do NOT compute into your GPA. Please contact the Daytona State Records office for the requirements and more information about these 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, and these 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, and these 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. **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. These credits are not computed into your GPA. Contact Daytona State's Records Office for Cambridge AICE requirements and information.

4. **International Baccalaureate (IB)** - Daytona State awards credit based upon higher level and/or subsidiary level IB exams. Official transcripts and scores should be sent from International Baccalaureate to the Admissions Office. You receive credit, but no letter grades, for courses earned through IB. Earned credits are not computed into your GPA. Contact Daytona State's Records Office for IB requirements and information.

5. **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. These 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.

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 are encouraged to 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 deadline for major changes is the add/drop deadline for each term. Any requested plan of study change for a B semester will only be approved if the student is new to DSC and does not have any enrollment history with DSC,
4. For DSC students with enrollment history, if the plan request is after the add drop deadline; the change of plan will take effect at the start of the next full term at Daytona State College.
5. The change of plan must be completed prior to registering for classes for the upcoming term.

6. A student may only have one active plan of study during any given term.
7. 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.
8. 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.

Application does not result in admission to a specific program. Once all academic records are reviewed, the college reserves the right to change the student's major to reflect an eligible status.

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.

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 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.*

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, as many times stated in the description, 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. Students enrolled in an online bachelor's degree program are required to complete it within three (3) years of reaching 75% of the program's total credits needed to graduate.

Directory Information

Directory information can be released to the public without the student's consent following specific request procedures. Directory information will not be released if the student has requested their information be kept confidential. At any time the student can request their records remain confidential by logging in to their my.daytonastate.edu student portal. Directions can be found [here](#).

The Daytona State College directory information includes:

1. Student's name
2. Major field of study
3. Dates of attendance
4. Degrees, honors and awards received

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

Directory Requests

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

1. The college participates with the National Student Clearinghouse to provide electronic requests for confirmation of individual academic degrees, academic awards/honors, dates of attendance by employers and colleges, and confirmation of enrollment status. The website is www.degreeverify.com; email is service@studentclearinghouse.org; phone is 703-742-4200; and the fax is 703-742-4239.

2. Requests for additional information or for other purposes must be made in writing on the letterhead of the company, agency or school requesting the information.
3. If the request is being made by an individual, it must indicate the name, address and phone number of the requestor and the reason for the request.
4. Requests for the entire student directory, requests from any military sources under the Solomon Amendment, or requests for a "class" of students, such as all students in any one major, should be directed to the Records Office.

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://library.daytonastate.edu/student-falcon-self-service/personal-info> to update their phone number.

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

Transient Students to Other Institutions

Outgoing Transient Students

Daytona State College (home institution) students currently enrolled in a degree or certificate program who want to take a course(s) at another regionally accredited institution (host institution) must meet all the criteria below:

- Be applicable to the student's current degree or certificate program of study requirements at Daytona State College; course descriptions may be required. DSC will not approve transient requests for upper-level course(s) to fulfill a lower-level program requirement.
- Dual enrolled students are not permitted to be considered for transient status due to articulation agreement.
- Have successfully completed the appropriate prerequisite(s) for each transient course requested.
- Already have met all placement requirements for the requested courses. If applicable, test scores for placement must not be expired.
- Obtain approval from the Veteran's Affairs Office if student is receiving Veteran's Benefits.
- Be in good academic, financial and judicial standing, with no absolute holds.
- Have a combined cumulative GPA of 2.0 or better. (First-semester DSC students also must be co-enrolled in Daytona State College courses.)

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

As an exception to DSC's Records office 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 and will be computed in the GPA along with the credits earned at DSC.**

How to Apply to be an Outgoing Transient Student:

Students wishing to take a course(s) at a Florida Public Institution, is required to complete an online transient form through FloridaShines <http://floridashines.org/>.

Students wishing to take a course(s) at a private or out of State institution will need to submit the transient paper form attached to the Records office for approval. This form is available online <https://www.daytonastate.edu/enrollment-information/files/outgoing-transient-form.pdf>.

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.

"W1" – Administrative Withdrawal – Grade issued when the student is administratively withdrawn for non-attendance based on faculty submission of attendance roster 2. (first issued Spring 2017). The last date of attendance will be noted and a student who receives the "W1" grade for all classes will be subject to the federal Title IV refund guidelines. For more information about the refund that will be required, please see the Financial Aid section of this catalog.

"W19" – Administrative Withdrawal COVID – Grade issued when student is administratively withdrawn under COVID appeal. (issued Spring 2020)

"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 "F" when the grades are submitted.

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 Associate of Arts, Associate of Science, Associate of Applied Science, Bachelor's degree or certificates must have a cumulative 2.0 GPA, a Daytona State 2.0 GPA and meet the Daytona State College residency requirements (see below).

**Some degrees may have a GPA standard of higher, which will be noted on their program guides.*

Students must earn a "C" or better in all General Education courses and pre-requisites to graduate with an AA degree. For A.S. degree and Bachelor's degree – program specific courses must be completed with a grade "C" or better. See Program requirements in College Catalog for details.

[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 who have earned an Associate of Arts degree from a Florida public or private regionally accredited institution or a baccalaureate degree or higher from a U.S. regionally accredited 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. Rule: [6A-10.024 Articulation Between and Among Universities, Florida Colleges, and School Districts \(3\)\(a\) consistent with Section 1007.24, F.S.](#) See also: General Education Requirements below.

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

the Comprehensive Adult Student Assessment Systems (AE-CASAS) 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.

Students enrolled in an online bachelor's degree program, are required to complete it within three (3) years of reaching 75% of the program's total credits needed to graduate.

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 credit hours 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.

General Education Requirements /Prior Degree Earned

Previously earned A.A. degrees from a [Florida](#) regionally accredited institution will be reflected on the students records as "general education requirements met through transfer" milestone. This milestone satisfies all the general education courses in the academic progress / audit for the student for upper level programs.

However, if the program specifically requires a course, for example MAC 1105 or MAC 2311C and student did not take the course as part of the AA transferred credits, the student will be required to take the course to meet program requirements.

Students that have earned a Baccalaureate degree from another institution are not eligible for the A.A program and are not allowed enrollment in the A.A. program to rehabilitate their GPA or to meet university prerequisites. Previously earned Baccalaureate degrees from a national regionally accredited institution will be reflected on the students records as "general education requirements met through transfer" milestone. This milestone satisfies all the general education courses in the academic progress / audit for the student for upper level programs. However, if the program specifically requires a course, for example MAC 1105 or MAC 2311C and student did not take the course as part of the AA transferred credits, the student will be required to take the course to meet program requirements.

Students that transfer to Daytona State College 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 and or a Baccalaureate degree are required to meet foreign language requirements. [s. 1007.262, Florida Statutes] One of the following options can be used to meet this foreign language at Daytona State College:

Option 1: Students who complete two years of the same foreign language in high school will have satisfied the language requirement.

Option 2: Students who have earned the Florida Seal of Biliteracy Gold or Silver, from their high school. Florida Seal of Biliteracy Gold or Silver indicates that the student has met proficiency in at least 2 languages. This information is noted on their high school transcripts.

Option 3: Foreign students who present a high school diploma which demonstrates the course work is completed in a language other than English will have satisfied the language requirement.

Option 4: Students without documented language proficiency or who do not satisfy language proficiency requirements must take DSC Level I- and Level II language courses. Students who complete two years of the same foreign language at Daytona State must complete the Level I foreign language course with a

C or better to be enrolled in the Level II foreign language course. A GPA of 1.50 (Grade C on Level I and grade D on Level II) will satisfy the language requirement.

Option 5: Students who self-identify or show some language proficiency in a 2nd language may take a level-one language assessment authored and administered by the School of Social Science & World Languages. Students who attain 80 percent or higher will receive a test code on their record and be able to register for a level-two language course.

Option 6: Students who demonstrate a proficiency at level-two language will be advised to take the appropriate CLEP, Brigham Young, or Language Testing International (LTI) test.

Option 7: Students who have earned an international Baccalaureates that are regionally accredited based on the NACES member evaluations will be processed as met the foreign language requirement.

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 in order to graduate. 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.

Catalog Year

Students are required to follow the degree requirements as listed in the catalog for the year (requirement term) 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. Students typically follow the degree requirements as listed in the catalog for the year in which they began enrollment as a degree seeking student.

Graduation Application

The graduation application is completed online when students are completing program requirements. We encourage all students to run a degree audit or visit with an advisor before applying for graduation. Graduation Application opens on the first day of classes in Fall and Spring term. Summer completers must apply for graduation when Spring term begins in order to be eligible to participate in the May

commencement ceremony. Students must log in to their MyDaytonaState portal to apply for graduation and pay the applicable graduation fee whether they wish to walk in the Commencement ceremony or not. Students must apply for graduation in order to be awarded their degree or certificate.

Once the student applies for graduation, the student's grad application will be sent to the department chair for review and approval. Graduation status updates will be sent via email to the student FalconMail account. Denied grad application status: Students not meeting graduation requirements (denied status) will be moved to the next term for graduation review. Students do not need to apply or pay the grad fee again. Denied status is not a mark against the student and does not show on records.

Students who complete all graduation requirements and pay the graduation fee are entitled to receive a printed diploma through the mail after their completion term ends, according to the Academic Calendar mail out date. Students who complete all degree requirements are no longer eligible to receive student financial assistance for their current degree program. Students must fulfill all financial and other obligations to the college before receiving their degree or certificate.

Graduation deadline dates are located on the Academic Calendar or the Records and Registration web page. Certain priority deadlines will apply in order to be included in the commencement ceremony and commencement booklet. The Florida Civics Literacy Exam must be completed and passed prior to the student completion term.

Students must apply for graduation and Register to Walk to participate in the May commencement ceremony. See Commencement Ceremony below

Program Completion

Students are responsible for determining if they have fulfilled graduation requirements. A Degree Audit is available on My.DaytonaState.edu Falcon Self Service/ Enroll by My Requirements / View as PDF. We encourage all students to run a degree audit or visit with an advisor 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 (see Course Substitution Form) approved and signed by the appropriate program manager/program department 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. Some program specific courses must be completed and a course substitution will not be accepted.

Program Requirements

An audit will be run once students graduation application is processed. All program specific courses and pre-requisites/ co-requisites must be completed with a grade C or better. Elective courses may be completed with a grade D or better. Overall cumulative GPA must be 2.0 or higher for degree to be awarded. Please see the College Catalog for detailed outline of program requirements. Students must satisfy the total credit hours requirement for the program.

Autograd students

Daytona State reserves the right to certify students as graduates/completers once they complete all requirements for the degree or certificate, regardless of whether a graduation application has been completed or not. Students who do not apply for graduation after completing requirements will not receive a printed diploma but may have the degree or certificate earned statement on their official transcript as an "Autograd" student. Students will be notified of the degree or certificate earned and will have the opportunity to pay the graduation fee to receive their printed and mailed diploma.

Reverse Transfer

Students that transfer from DSC to a Florida state university level institution without earning an Associate of Arts degree may opt-in for a Reverse Transfer at the Florida state university institution. Student must have completed more than 30 credit hours toward the Associate of Arts program at DSC to be eligible for opt-in at the Florida State University System (SUS) institution. Students that opt-in may complete the missing program requirements at their Florida SUS level institution. Student may have the official transcript showing completed courses sent back to DSC for the AA degree to be awarded. An official transcript showing the awarded Associate of Arts degree will be returned to the Florida state university level institution at no charge.

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, including required exams, 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.

Commencement ceremony

Annual Commencement for degree, certificate and adult education candidates is held in May. Students who complete graduation requirements in the previous fall and those who have applied for graduation for Spring or Summer completion, are encouraged to participate in commencement ceremonies in May. Each annual ceremony is for the current academic year students only (FALL – SUMMER).

Eligible students may walk in the ceremony regardless of grad status at the time of the ceremony (*Applied, In Review, Pending and Denied* may all walk). Walking in the Commencement Ceremony is not an indication of completion of requirements or degree earned. Diplomas are not issued at the ceremony. Diplomas are mailed after all requirements are met. *See Issuing Diplomas below.*

Students must have applied for graduation and must Register to Walk in the Commencement Ceremony from their student portal. Ceremony participation Instructions will be reviewed with students during Grad Info Packet Pickup each April at Daytona Campus. The Records Office will inform students of the date and time for the ceremony for their degree level. Number of guests per student may be limited.

Issuing Diplomas

Diplomas are mailed to students approximately three (3) weeks after the end of the full term to the address the student entered as part of the graduation application process. Students must verify the mailing address for the printed diploma at the time they apply for graduation. Diplomas that are returned to Daytona State by the Postal Service will be held in Daytona Campus, Wetherell Center, B100 R208 for one year and student will be notified to either pick up the diploma or provide a correct mailing address. Daytona State is not responsible for issuing a replacement diploma for undeliverable items. If the diploma has not been returned to Daytona State in the mail, for a replacement diploma, student must complete a Duplicate Diploma Request form and pay the duplicate fee to Student Accounts (386-506-3024). If an error is found on the diploma, the error will be corrected and a replacement diploma provided at no charge.

For DUAL enrolled students: Upon completion of the program, your degree will be awarded , however final

high school transcript showing graduation date and standard high school diploma earned must be received by DSC Admissions office prior to DSC printed diploma being issued.

Awarding Posthumous Degree Policy

A. A posthumous degree may be awarded upon request provided it is submitted to the Records Office within two years after the death.

B. The request must be accompanied by:

1. Student's full name.
2. Daytona State College student ID or SSN.
3. Copy of the death certificate.
4. Address where the diploma will be mailed.

C. The student should meet the following criteria:

1. Must have been a degree-seeking student.
2. Must have been enrolled at time of death (summer excluded), or their continuous enrollment was interrupted by their injury, illness, deployment, etc.
3. Must have been within one term or 15 credits of graduation to be considered for a posthumous degree.
4. Must have completed at least one term required for the degree at Daytona State College.
5. Must meet the standard graduation eligibility criteria for GPA and academic standing.
6. Must be in good discipline standing at the time of the request.

D. The posthumous degree shall not be included in any state or federal reporting data.

E. Exceptions may be made at the discretion of the College.

Privacy Guidelines (FERPA) and Records Maintenance

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

Family Educational Rights and Privacy Act (FERPA)

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

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

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

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

FERPA requires the college to establish a policy with regard to the data items that can be released to third parties upon request, and to establish the procedures for the release of such information. Students have the option of making their "file" and "data" confidential. Students choosing to have their data marked as confidential are identified in the student information system and their information is excluded from the college's directory information. Students cannot use the "opt out" provisions of FERPA to prevent disclosure of name, institutional email address, or other identifier in classes in which they are enrolled.

Disclosure of Education Records

1. Have a student's permission prior to the disclosure of education records;
2. Ensure that the student has given permission (check for delegate access) and states the purpose of the disclosure.

A school may disclose education records without prior consent when:

1. The disclosure is to school officials who have been determined to have a legitimate educational interest to fulfill their professional responsibilities. For these purposes a school official is defined to include

contractors, consultants and other third parties providing services and functions acting under contract with and on behalf of the college;

2. To another college when the student is seeking or intending to enroll in another college. This disclosure, upon request, could include disciplinary and health records;

3. The disclosure is to state or local education authorities auditing or enforcing federal or state supported education programs or enforcing federal laws which relate to those programs;

4. The disclosure is to the parents of a student who is a dependent for income tax purposes;

5. The disclosure is in connection with determining eligibility, amounts and terms for financial aid or enforcing the terms and conditions of financial aid;

6. The disclosure is pursuant to a lawfully issued court order or subpoena;

7. The information disclosed has been appropriately designated as directory information by the school;

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

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

10. Disclosures allowed under amendments to the federal regulations.

Parent Access to Records

Student records may be released to a parent (either custodial or non-custodial) of the student without the student's prior approval only when student grants access after logging in to their my.daytonastate.edu student portal. Instructions on how to grant access can be found [here](#). Student information is subject to the FERPA guidelines even if the student is under age 18.

FERPA permits institutions to disclose information to a parent if a health or safety emergency involves their son or daughter. Schools are also allowed to inform parents if a student under age 21 has violated any law or college policy concerning the use or possession of alcohol or a controlled substance. A school official may generally share with a parent

information that is based on that official's personal knowledge or observation of the student. **It is the responsibility of the student to remove the parties they have delegated access to.**

Health or Safety Emergency

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

Disciplinary Records

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

Law Enforcement Unit Records

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

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

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

Student Access to Educational Records

Schools are required by FERPA to:

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

Amendment of Education Records

Under FERPA a school must:

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

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

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

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

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

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

Student Requests

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

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

Non-release of directory information - A student may choose for non-release of directory information by logging in to their student portal at my.daytonastate.edu. Directions can be found [here](#). This non-release request will remain in effect until the student's removal of the non-release hold. **Students cannot use the "opt out" provisions of FERPA to prevent disclosure of name, institutional email address, or other identifier in classes in which they are enrolled.**

Authorization of non-directory student information - Students may authorize Daytona State College to release specific information by accessing their student portal at my.daytonastate.edu. Help can be found [here](#).

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

Unofficial transcripts - Students may view/print an unofficial transcript accessing their student portal at my.daytonastate.edu.

Social Security Number Collection and Use

In compliance with Florida Statute 119.071(5), this document serves to notify you of the purpose for the collection and usage of your Social Security number by Daytona State College. Daytona State collects and uses your social security number only if specifically authorized by law to do so or it is imperative for the

performance of its duties and responsibilities as prescribed by law. The college, and vendors, may not use a Social Security number or other non-directory information, either alone in or combination with other data elements, to identify student records when disclosing or confirming directory information without the written consent from the student.

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

Admissions Department

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

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

Continuing Education, Corporate Training

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

Financial Aid Department

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

Human Resources Department

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

- Completing an Employment Application/Package
- Completing and processing the Federal I-9 (Department of Homeland Security)

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

Workforce Programs

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

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

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

Recognition

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 DSC 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 DSC hours of credit and have a 3.5-3.79 semester GPA. (College prep/developmental courses, which do not count in the GPA calculation, are excluded.)

Honors Recognition - Daytona State College has revised its criteria for honors recognition. The following revisions will become effective at the beginning of the Fall 2020 semester. Students who graduate with high combined cumulative GPAs are recognized at graduation as follows:

All non-baccalaureate degree students will be recognized as follows:

- Honors: Combined Cumulative GPA of 3.5-3.79
- High Honors: Combined Cumulative GPA of 3.8-4.0

All baccalaureate degree students will be recognized as follows:

- Cum Laude: Combined Cumulative GPA of 3.5-3.74
- Magna Cum Laude: Combined Cumulative GPA of 3.75-3.89
- Summa Cum Laude: Combined Cumulative GPA of 3.9-4.0
- 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 the Lemerand Student Center, Room 218C, 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.

Sigma Beta Delta - International honors society for students in the BAS program who meet certain academic criteria.

Alpha Delta Nu - National honors society for associate degree nursing students who meet certain academic criteria.

Sigma Kappa Delta - National English honors society for two-year college students who meet certain academic criteria.

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](http://MyDaytonaState.edu) or at Daytona State College's Daytona Beach, DeLand, Deltona, Flagler/Palm Coast and New Smyrna Beach-Edgewater campuses.

Facts about Registration

- **Schedule of Classes** - A listing of all classes offered for a specific semester is available online at <http://www.daytonastate.edu>. Using the 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. Late registration beyond the add/drop period is not permissible.

- **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 attending the class from the first start date and after the add drop period and subsequently dropped due to cancellation for non-payment, or non- attendance from class roll. 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. Reinstatement requests must be made within 3 business days of being dropped.
 - c. If dropped for non-payment, and reinstatement request is approved, payment is due immediately and is required before reinstatement is processed. If payment is not received by the close of business the following

day, from which your requested reinstatement was approved, it will be denied.

- d. 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 the final grade the student earned.
- e. Students who withdraw from class(es) do not fall under a reinstatement request.

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 first 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-attendance because attendance in the course is required to apply that class to your financial aid eligibility.

A second attendance roster will go out after the withdrawal deadline for each session. Students who are reported as not attending leading up to the published withdrawal deadline 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. 47) can be found in the college catalog. The catalog also has links for [academic information](#) (p. 47) and [graduation requirements](#) (p. 102), and for policies regarding [academic standards of progress](#) (p. 93).

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](#)

Campus Crime Statistics and Safety Policies

This information is available from Campus Safety, Bailey Hall on the Daytona Beach Campus, or from campus safety office on any regional campus. For more information visit: <https://www.daytonastate.edu/safety-and-security/index.html>.

Textbook Affordability

The Daytona State College Bookstore is committed to developing and implementing strategies to comply with textbook affordability procedures set forth in Florida Statute 1004.085. Our main objective is to minimize the cost of textbooks to students. The textbook lists are posted in compliance with Rule 6A-14.092, Textbook Affordability.

Click to view or download the textbook lists here: <https://www.daytonastate.edu/student-resources/bookstore/textbook-affordability.html>

Online Syllabus Repository

View our searchable [online syllabus repository](#).

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: <https://www.daytonastate.edu/financial-aid/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: <https://www.dscfalcons.com/landing/index>.

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: <https://www.daytonastate.edu/safety-and-security/>.

For more information about the college's response to the Drug Free Schools and Campuses Act, please see our [Annual Safety Report](#).

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: <https://www.daytonastate.edu/faculty-and-staff/institutional-research/publications-and-surveys.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: <https://www.daytonastate.edu/faculty-and-staff/institutional-research/publications-and-surveys.html>.

Voter Registration Information

Voter registration forms are available from the Records Office, Wetherell Center, on the Daytona Beach Campus, from the Student Life 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 provides information on employment and earning outcomes based on degrees and certificate programs: [Economic Security Report](#)

Loan Cohort Default Rate

This link provides information about Daytona State's Loan [Cohort Default Rate \(CDR\)](#) on IPEDS/NCES.

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 Adult Education - Comprehensive Adult Student Assessment System (AE-CASAS)

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 AE-CASAS exit exam after attempting to pass it on at least two occasions.

Prerequisites for Requesting for an Exemption of the AE-CASAS 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 AE-CASAS exit requirements.
4. He/she must have taken the AE-CASAS two times before petitioning for an exemption.

Process to Request for a AE-CASAS Exemption:

1. Students will complete a AE-CASAS Waiver Request Form after meeting the requirements listed above. Forms are available in the College Assessment Center.
2. The AE-CASAS 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 AE-CASAS Waiver, the Committee may consider the following:
 - The student has a disability that substantially interferes with his/her ability to pass the AE-CASAS 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 AE-CASAS 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 AE-CASAS Waiver based on a majority vote.
5. Documentation of a student's petition for AE-CASAS Waiver shall be maintained by Daytona State College for audit purposes. The student's AE-CASAS Waiver Request Form will be posted in his/her SDS record. Daytona State College may report a student with a AE-CASAS Waiver as a program completer.
6. Whenever the committee disapproves a student's petition for a waiver of the AE-CASAS 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:

From the Records tile in Falcon Self-Service, you can review and/or print an unofficial transcript. This is available for both current and former DSC students, for help, see Falcon Self-Service for Students.

College Credit Transcripts:

Official Transcripts requests are processed by an approved third party that handles official transcript orders. There is a **\$5 charge** per transcript that is required to be paid online when submitting your order request. Overnight options are also available for an additional fee. Please read the order form carefully and fill out all required fields.

Requested transcripts will be sent electronically. For an extra fee, students have an option to express mail.

All electronic orders and first-class mail may take up to 7 business days to be received by requested recipient.

Students who have holds might require that the hold obligation be cleared prior to the release of an official transcript. Please review your records prior to placing an order for an official transcript.

1) Current students should log into to Falcon Self-Service in the [MyDaytonaState](#) student portal, then click on the Request Official Transcript tile.

2) Former/Alumni students can [order an official transcript here](#). *Note: Former/Alumni means that you attended Daytona State College any time from 1982 to the present.*

For more information please contact, Records@DaytonaState.edu. Include your student ID or last four digits of SS with correspondence. Communication of protected student record information will not be sent to personal email accounts at any time, regardless of an individual's registration status.

Military:

Per Florida Statute, we are required to waive the transcript fee for a person who is an active duty member or an honorably discharged veteran of the United States Armed Forces and his or her spouse and dependents.

CS/HB 171: Postsecondary Education for Certain Military Personnel

Ordering Official Daytona State High School Transcript:

Daytona State High School and Adult Education official transcripts cannot be requested online. Please submit a [High School Official Transcript Request form](#) to the Records Office by mail, fax it to (386) 506-4489, or drop it off in person at the Question & Answer Center at your local campus. There is no charge and requests take 3 business days to process.

GED® Transcript:

If Daytona State College was your test site for your GED®, all copies of GED® diplomas and GED® transcripts are housed at the GED® Testing Office, Florida Department of Education. Effective February 1, 2014, all requests for Florida GED® diplomas and GED® transcripts must be made from GED® Credentialing™, at: <https://ged.fldoe.org/>

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® Credentialing charges a **\$15.00 fee** for each diploma and/or transcript.

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](#).

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.

Transfer credits will be evaluated and posted to your DSC record by the Records Office for currently enrolled, new or readmitted students that are in a degree or certificate program.

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 or the DSC transcript. Once transfer credits have been posted to the DSC transcript, they will not be removed.

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. 94).
- Lower level courses (1000 & 2000) will not be used for upper level course requirements (3000 & 4000).
- 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. Credits from ALEKS, Credly, Sophia Learning, StraighterLine, Study.com and similar online educational platforms will not be accepted for credit at DSC. While Sophia Learning and others receive accreditation from the American Council on Education (ACE), we do not award transfer credit from non-regionally accredited online educational platforms, especially when the equivalency of faculty credentials cannot be determined to match our requirements of faculty having a master's degree with 18 or more graduate hours in the field.

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.

Incoming Transient Students

An Incoming transient student is a student who is degree seeking at another institution (home institution) but who has requested to come to DSC to enroll in a needed course(s) that has been officially approved by their home institution. Upon completion of the course the student will be required to order an official transcript to be sent to their home institution showing completion of approved course to transfer back to use for their degree requirements. Many students use this option because their "home" college or university does not offer the course, at the time the student is in need to complete.

Policy

Incoming Transient students whose home institution is a Florida public school will be required to use Florida Shines transient application form. <http://floridashines.org/>. Florida Shines applicants can track their approval progress by logging into their Florida Shines account.

If the student is from a Florida private college/university, or from any college outside the state of Florida, they will need to apply using the DSC online application for admission. They will be required to have a paper copy of transient letter or form, completed by their home institution for approved course for registration and submit to the registration office.

Incoming Transient students can register themselves after admissions processing has been completed. Incoming transients are only permitted to enroll in classes that have been approved by their home institution for indicated term/year. If a transient student is enrolled in a course other than the approved course by their home institution, they will be dropped from the course and sent communication of the schedule adjustment. This is because the transient approval from the home institution takes place of the approved course requisites only. It is the responsibility of the incoming transient student to place an order for official transcript to be sent to their home institution after the course has completed.

Things to remember:

- Fully approved Florida Shines applications are imaged within 24 hours. Other transient forms are imaged upon receipt. The Q&A does not maintain a file of transient forms; all are in Document Imaging.
- As noted on transient form approval statement, "...classes approved pending availability." Approval does not guarantee a seat.
- Transient students can register themselves.
- Courses within a limited access program will require additional approval from chair of appropriate academic department.
- Incoming Transient students are not permitted to enroll in EMT courses.
- If you put student on wait list, add permissions for requisites, for the classes the student wants.
- Students trying to register for last seat in a class, but do not have approved transient status, have the option of changing admission status to non-degree seeking. They will have to provide unofficial transcripts to prove eligibility for course(s). Must also prove Florida residency for in-state tuition rate. Non-degree students are not eligible for financial aid.

- *Financial aid and Bright Futures Scholarships are processed through the home institution if indicated through Florida Shines. All other applicants must submit a Consortium Agreement from their home institution to the DSC Financial Aid office. Any questions about their financial aid award must be directed to their home institution.

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 <https://flscns.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. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

Course Number Assignments

The SCNS uses a course designation that consists of a three-letter prefix and a four-digit number, and when needed, a one-letter lab designation (L for laboratory only, C for lecture/lab combinations). 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." Each course shall have only one prefix and one number (see State Board of Education Rule/Board of Governors Guideline 6A-10.024(13), FAC).

The Course Prefix

The course prefix is a three-letter code used for a discipline or subject area in the SCNS course numbering taxonomy, or a component of a discipline. It designates a particular area or part of a discipline. Then, each prefix is divided into ten (10) major content categories, called **centuries**. Each **century**

is further divided into ten (10) subcategories for courses with related content. These subcategories are called **decades**. The century and decade correspond to the three-digit course number.

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. A single academic program may have courses in several different disciplines, and may have courses with several different prefixes.

The Level Code

The level code, which roughly corresponds to the year in college the course is normally taken (i.e., freshman, sophomore, etc.), is placed between the course prefix and the course number. The level is recommended by the institution according to its own policies. The level digit does not affect course equivalency - course equivalency is determined by the prefix and the last three digits. The following are the level definitions:

0 = college prep, career certificate, career prep
 1-2 = lower level undergraduate, freshman and sophomore
 3-4 = upper level undergraduate, junior and senior
 5-9 = graduate and professional

The Course Number

Courses are numbered based on content, rather than by department or program. A single academic program may have courses in several different disciplines, and may have courses with several different prefixes. Institutions may use their own course titles to describe course content. The course title does not affect the transferability of a course.

The Lab Indicator

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.

Course Number Example:

Prefix	Level	Course Number	Lab Indicator
CHM	1	025	C

CHM = Chemistry discipline

1 = Freshman, lower level undergraduate

025 = Century and decade category based on course content

C = Combined lecture and laboratory course

General Rule for Course Equivalencies

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.

Equivalent courses at different institutions 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. Additionally, if a student has only taken the laboratory or the lecture portion of a course and transfers to an institution where the same course is offered only in combination, it is the receiving institution's responsibility to determine whether and how to assign credit to this partially fulfilled requirement.

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.

DSC has policies and procedures that conform to commonly accepted practices in higher education. College Policy 4.02, *Establishment of Instructional Programs, Classes and Lab Fees*; College Procedure 402(a), *Curriculum Development*; and the Florida Department of Education (FLDOE) F.S. 1007.24, *State Course Numbering System* (SCNS) are the College's guidelines for determining and reviewing award of academic credit, regardless of course format or mode of delivery.

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 X900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, seminars, internships, apprenticeships, practicums, Study Abroad experiences, Thesis and Dissertations (including any similar individualized courses with numbers other than those in the 900-999 series).
4. College preparatory (developmental or remedial) and career preparatory courses.
5. Graduate-level courses.
6. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theater) 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.) and must be evaluated individually.

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 Dr. Oneka Samet 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

Falcon-AID Student Help Desk

Personalized assistance

We're here to help you via walk-in, email, and phone. For in-person assistance, please visit us at the Daytona Beach Campus, J. Griffen Greene Center (Building 300), Room 109.

Click here for more details such as hours of operations and other helpful support information: <https://www.daytonastate.edu/help-desk/index.html>

Our Mission

The Daytona State College Falcon-AID and IT Help Desk, is dedicated to being the first point of contact for students seeking technical assistance. Falcon-AID collaborates with the IT Help Desk and Falcon Online at the main Daytona Beach Campus to address all college-related technical concerns for students, faculty, and staff.

Services We Offer

We provide assistance with your smart devices in the following areas:

- MyDaytonaState Student Portal (New Student Portal)
- Self Service Password Reset (SSPR) Enrollment

- Multifactor Authentication (MFA) Setup
- Falcon Self-Service, Email and Falcon Online access help
- Navigating/accessing important service areas such as: Financial Aid, Admissions, Registration, etc.
- Searching for available courses
- Falcon Online support
- Accessing College Wi-Fi "DSC Wireless"
- Access to Office365 through your student account
- Directions to appropriate academic departments
- Assistance with smart devices (i.e., laptops, tablets, smartphones) in topics related to college resources/services (only)
- And more...

Email us at: helpdesk@daytonastate.edu

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.

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 online at the Registration website. [Appeal Forms](#) Application deadline to submit a Full Cost 3rd Attempt or 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.

Withdrawal Policy

Dropping a class after the drop/add period has ended is considered a Withdrawal. You may withdraw from a course after the add/drop period has ended with no grade penalty, however, you will not be eligible for a tuition refund and must still pay any outstanding

balances owed to the college. You will receive a "W" grade for the course when you withdraw. If you wish to withdraw from a course, you must do so by the withdraw deadline that is published in the college [Academic Calendar](#) for that semester. This can be done via your MyDaytonaState student portal.

Students who are reported as not attending during the two weeks leading up to the withdrawal date will be administratively withdrawn from the class and assigned a grade of "W1". 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.).

Withdrawals are counted as an attempt for a course. 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 remain enrolled in courses after the withdrawal deadline has ended will be assigned a final grade in the course from the faculty member.

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.

Should the default password (Dsc + Your birthdate in MMDDYY format + the last five digits of your social security number) not work, please attempt without adding the last five digits of your social security number.

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 grades 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. Replacement ID card fees are \$10 or \$25 for students who reside in on campus housing.

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

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 (see Financial Aid for additional appeals)
- Registration Issues
- Reinstatement Requests

- Reset Student Password
- Student Advocate
- Parking Decals
- Student Photo ID

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.

- **Academic Calendar Year Definition** – An academic calendar year starts with the fall term and continues until the end of the next summer term.
- **Advanced Registration** – Typically a three-day period which allows **currently enrolled** students to enroll into classes for the following semester on a priority order, based on credit hours earned (successfully completed) or if a Veteran. College Credit may not be combined with Vocational Contact Hours (VCH) or vice versa.(parameters: US Military/Veterans/45+credits/900 VCH first day of advanced, 30+/600 VCH second day of advanced registration, 15+/300 VCH third day of advanced registration)
- **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.

- **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.
- **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.
- **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.
- **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.
- **Open Enrollment** – The earliest date for new or returning students (and those who did not register into classes during the *Advanced Registration* period) who can begin enrolling into classes.
- **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.
- **Semester Hours** – The number of credits assigned to a specific course. The number of hours per week of class varies.
- **State Employee Registration** – State employees as identified by the Florida Accounting and Information Resource website may enroll and have their tuition waived for a maximum of six hours per semester. **NOTE:** Students who are using their State Waiver cannot enroll into classes until the very first day of class, at the earliest, otherwise the waiver is void.

- **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.
- **Vocational Credit** – Courses that typically lead to a certificate and do not transfer to other postsecondary institutions.

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, providing students with clear choices and offering great customer service. For more information about BankMobile, visit this link: <http://bankmobiledisbursements.com/refundchoices/>

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. Housing and meal installment plans are also available to complete online. These payments are due on the 1st of each month and the enrollment fee varies (\$30 and \$20) depending on the contract.

To enroll:

- Go to My.DaytonaState.edu and click on Falcon Self-Service
- Enter your student log in credentials
- Click "Financials", click "Payment Plans", set up plan, click "Enroll in a Payment Plan"

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 before the end of the current semester or before you register for the upcoming semester. Payment plans for 7-week classes or late-start classes vary but will always be due before the end of the semester.

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 and diplomas. 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 and diplomas. 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 semester. See the Veterans Coordinator in Building 100, Room 102, 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 and diplomas. 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.

Financial Aid Advance

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 advance; however, the advance may be due sooner depending on the number of days remaining in the semester.

From the date the advance is awarded until it is paid in full, a negative service indicator will be placed on the borrower's records and diplomas. This service indicator will also prevent any future registration activity including withdrawals. The advance will be referred to an outside collection agency and to appropriate credit bureaus in the event of default on the advance. Resulting collection fees will be added to the original advance 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 (i.e. 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 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. Also, 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 refunded 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 payments.

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.studentaid.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 master promissory note. 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.

All loan funds will be refunded through BankMobile 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 preference that was selected with BankMobile. For more information about BankMobile, visit this link, <https://bankmobiledisbursements.com/refundchoices/>.

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 BankMobile using the refund preference selected. For more information about BankMobile, visit this link, <https://bankmobiledisbursements.com/refundchoices/>.

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	\$200
6 – 8 credits	\$325
9 – 11 credits	\$500
12 or more credits	\$650

Book vouchers may be issued for partial amounts if there is a remaining credit balance but it is not sufficient to cover the maximum amount allowed. If a student drops classes after receiving a book voucher or otherwise becomes ineligible for the original amount of financial aid, the student will be responsible for repaying the amount of the book voucher back to the College.

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.

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 with BankMobile. For more information about BankMobile, visit this link, <https://bankmobiledisbursements.com/refundchoices/>.

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, fax a copy of the card to 386-506-4443, or email a copy of the card to studentaccounts@DaytonaState.edu. 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 2024-2025:

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. 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.

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 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 our refund

partner BankMobile. For additional information regarding refunds go to <http://bankmobiledisbursements.com/refundchoices/> 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, less the amount of any nonrefundable access codes and/or other materials (i.e., kits, uniforms, etc.), if you drop a course before the first scheduled class meeting.
 - Courses lasting longer than one week - A 100 percent refund will be given, less the amount of any nonrefundable access codes and/or other materials (i.e., kits, uniforms, etc.), if you drop a course within five working days from the date of the first scheduled class meeting.
3. Adult Education Courses
 - 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
 - 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 was never selected. If the refund has not been returned to the College, the only thing needed is for the student to go to <http://bankmobiledisbursements.com/refundchoices/> to select a refund preference.

If the refund was returned to the College because the disbursement period elapsed, 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 selection must be made. 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 preference that was selected.

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.

For refund checks that were generated and mailed by BankMobile, contact BankMobile Customer Service at 1-877-327-9515 regarding stop payments.

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 <https://bankmobiledisbursements.com/refundchoices/>. 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 <https://bankmobiledisbursements.com/refundchoices/> 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, less the amount of any nonrefundable access codes and/or other materials (i.e., kits, uniforms, etc), 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, less the amount of any nonrefundable access codes and/or other materials (i.e., kits, uniforms, etc,) 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 Finances tab on the [My.DaytonaState.edu](https://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.

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.edu](https://mydaytonastate.edu) 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. 122) 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 semester. The deferment may be for up to 60 days, but will always be due before the end of the semester. Consult the Veterans Services Coordinator in the Wetherell Center (Building 100), Room 102, 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, 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 2025-2026

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 Improvement Fee	\$7.72	\$48.83
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 Skills Building (ASB) Programs

	In-State Per Semester	Out-of-State Per Semester

Tuition	\$30.00	\$30.00
Total	\$30.00	\$30.00

Other Fees

Application Fee Domestic Students: \$15 / per application

Application Fee International Students: \$50 / first semester only

Assessment Fee: \$34 / first semester only

Access Fee: \$1.28 / credit hour

Laboratory Fees (Varies by course): \$2 - \$1,506

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 time charge per tier:

- Certificate Tier: \$20
- Associate and Baccalaureate Tier: \$30

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 in a negative service indicator on student records, diplomas, 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. Students with disabilities who petition to have a course substitution should contact the Accessibility Counselor or contact the Director to have the request processed. Appropriate documentation must be attached. The Course Substitution Committee will determine if the petition will be granted. An appeals/grievance procedure is available if a substitution is denied. You may refer to the Counseling & Accessibility website for more information on the course substitution process. 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 Non-Discrimination Statement (p. 6).

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 personal or life adjustment concerns and those students 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 trainings and educational seminars at all instructional sites to foster good mental health and help students, faculty and staff recognize the signs and risk factors in order to help prevent suicides.

Wellness Coaching Services are also available to all students. Wellness Coaches partner with students looking to enhance their well-being through self-directed lasting changes, aligned with their values. In

the course of their work, Wellness Coaches display unconditional positive regard for their students and a belief in their ability to change, honoring the fact that each student is an expert on their own life while ensuring that all interactions are respectful and non-judgmental.

For more information please contact:

Counseling & Accessibility Services
Daytona State College
1200 West International Speedway Blvd.
Wetherell Building Annex, Room 108
386-506-3038

Please visit our [Counseling and Accessibility Services website](#) for more information and contact info.

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 ensure 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 informational meetings or student disciplinary hearings as a means of resolving complaints made 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 civil rights compliance, 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 at the New Smyrna Beach/Edgewater Campus, Building 1, Room 102, 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 Forms page. 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:

- Child care issues;
- Transportation issues;
- Employment changes;
- Normal pregnancy;
- Incarceration;
- Disagreement with the instructor teaching method;
- Difficulty learning the course material;
- College disciplinary actions and judicial sanctions.

To submit an appeal, students must:

1. Complete an appeal form in the Question & Answer Center, or complete an online form.
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. Student Civil Rights 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. In the case that there is not an electronic submission option, 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.

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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.

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 and 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.

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 current Daytona State College Student Handbook/Planner.

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.

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 are available to help you academically and socially, or to simply help you to keep informed of college events and activities.

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 2022-2023 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 in our **online catalog archive**. 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.

2020 -2021

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.

2019 -2020

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.

2018 -2019

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.

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

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.

2007 - 2008

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 Descriptions and Guides, Course Information, Course Information, Faculty & Staff Listings, Faculty & Staff Listings, Index.

2006 - 2007

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 Descriptions and Guides, Course Information, Faculty & Staff Listings.

2005 - 2006

PDF Catalog - Facts About the College; Admission, Academic Advising and Registration; Financial Information, Student Services; Academic Information and Graduation Requirements, Program Descriptions and Guides, Course Information, Faculty & Staff Listings.

2004 - 2005

PDF Catalog - Facts About the College; Admission, Academic Advising and Registration; Financial Information, Student Services; Academic Information and Graduation Requirements, Program Descriptions and Guides, Course Information; Faculty & Staff Listings.

2003 - 2004

PDF Catalog - Facts About the College, Admission, Academic Advising and Registration; Financial Information, Student Services, Academic Information and Graduation Requirements, Program Descriptions and Guides, Course Information; Faculty & Staff Listings.

Academic Support Center

College can be challenging, especially for first-time students. The Academic Support Center is here to help! 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:

Tutoring – ASC staff provide help with content challenges, assignment decoding, study skills, and digital literacy. Tutoring is available in person or online. No appointment is necessary. For more information, please visit <https://library.daytonastate.edu/asc/tutoring>.

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. For more information, please visit <https://library.daytonastate.edu/asc/supplemental-instruction>.

Workshops and Review Sessions – The ASC offers a variety of workshops and review sessions both online and in-person. For more information, please visit <https://library.daytonastate.edu/asc/resources/workshops>.

Laptop Loan – Laptops are available for single-day checkout at the ASC. For more information, please visit <https://library.daytonastate.edu/laptop-loan>.

Helpful Resources – The ASC offers a wide variety of resources for both students and faculty. For a complete listing, please visit <https://library.daytonastate.edu/asc/resources>.

If you have any questions, please join our live chat at <https://library.daytonastate.edu/ASC>, call (386) 506-3620, email ASC@DaytonaState.edu, or stop into any ASC location. We're looking forward to helping you succeed!

Intercollegiate Athletics

Daytona State College offers varsity-level programs for men and women. The men's program offerings include baseball, basketball, cross country and soccer. The women's program offerings include basketball, cross country, flag football, golf, soccer, softball, and volleyball. Additionally the College offers competitive and club level Esports.

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 academic support to help them achieve academic success. More information can be found at <http://www.dscfalcons.com/landing/index>.

Falcon Center

Falcon Self-Service Help is an online student service center where students can complete online transactions. Students can also receive help navigating online student services at the Falcon Center on any campus. Students can complete the following transactions online or in the Falcon Center:

- . Add/Drop
- . Change of Address
- . Orientation
- . Pay Tuition Online
- . Print Schedule and Fee Statement
- . Print Class Schedule
- . Register
- . Reset MyDaytonaState Password
- . Request a Degree Audit
- . Request Official Transcripts
- . Request Enrollment Verification
- . Withdraw from Classes
- . Request Transient Form at www.flvcacts.org
- . View Unofficial Transcripts

Student Life

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 Literary Magazine* 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.

Intramurals and Recreational Sports – T Intramural sports activities that are open to all students. Come visit the Student Life office to learn about current opportunities.

Clubs and Organizations – There are many 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 the L. Gale Lemerand Student Center, Room 219 at the Daytona Beach Campus or the director's office at the regional campuses.

Writing Center

The Daytona State College Writing Center is here to help you:

- Achieve your communication goals in any discipline
- Brainstorm, collaborate, and revise
- Format in MLA, APA, and other citation styles
- Introduce you to effective test-taking strategies (GKT, TEAS, etc.)
- Break through writer's block
- Write with confidence!

Writing Center services are available to currently enrolled DSC students, staff, and faculty.

Services

1-on-1, 45-minute tutoring appointments

DSC Writing Center consultants 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 at a time convenient for you.

The Daytona Beach Campus is home to the Attic, which is an open, reconfigurable space equipped with couches, worktables, a smartboard, projector, and creative technology. You can reserve the space for your creative collaboration by emailing CWC@DaytonaState.edu.

Workshops

The Writing Center offers classroom visits or workshops. Popular topics include research strategies, using MLA or APA, or learning presentation software. We're happy to work with faculty or groups to create custom writing workshops.

InfoGuides

The DSC Writing Center maintains InfoGuides informing on writing strategies involving planning and drafting, grammar and mechanics, and citation and documentation.

Contact us

To contact the Writing Center with questions, to schedule an appointment or workshop, you can chat with us via our website at daytonastate.edu/cwc, call us at (386) 506-3297, or email us at CWC@daytonastate.edu. Be a part of the Writing Center community through our blog, Facebook, Instagram, Twitter, and YouTube. We have an active presence on all of our media sites and we're eager for you to join!

Campus Life

Aquatic/Fitness Center

The Daytona State College L. Gale Lemerand Health, Wellness and Community Education Center is one of the finest, most comprehensive recreation and community education facilities in Florida.

The Fitness Center, housed in the Lemerand Athletic Center (building 310), is located on the Daytona Beach Campus. The 5,500 square-foot Fitness Center is completely equipped with state-of-the-art weight training and aerobic equipment. The Daytona State College Aquatic Center, also located in the

Lemerand Athletic Center features a 25-yard X 25-meter indoor competitive pool, heated to a comfortable 82 degrees. The facility is humidity and climate controlled to ensure a pleasant environment both in and out of the water year-round. There is a 4 foot shallow area and a 12.5 foot deep end.

Campus Locations

Daytona Beach Campus

1200 West International Speedway Blvd. Daytona Beach ([Locator Map](#))

The Daytona Beach Campus – the largest of DSC's seven campuses – is located in a vacation destination city that attracts more than 10 million visitors annually from around the world. With miles of warm water beaches and the Intracoastal Waterway, Daytona and the surrounding region are a haven for surfing, paddleboarding, boating, kayaking, deep sea and freshwater fishing, snorkeling and SCUBA diving. It is also a motorsports mecca, home to NASCAR's Daytona 500, the Rolex 24 and Bike Week, which draws hundreds of thousands of motorcycle enthusiasts to city-wide events every Spring and Fall.

The campus, with a student population of 18,600, offers a range of academic programs, including baccalaureate, associate of arts (university transfer degree), associate of science, adult education and certificate programs. Students have access to tutoring and academic support specialists in areas such as the library, Academic Support Center and the Writing Center.

In addition to hosting the college's primary administrative offices, the campus is also home to the Southeast Museum of Photography, the Mori Hosseini College of Hospitality and Culinary Management, Falcon Athletics NJCAA Division I teams, a fitness center and indoor pool, the student-run television station WDSC-TV 15, the L. Gale Lemerand Student Center, and the newly opened Residence Hall.

Advanced Technology College

1770 Technology Blvd., Daytona Beach ([Locator Map](#))

The Advanced Technology College offers a wide variety of engineering, computer science, advanced manufacturing, automotive, electrical apprenticeship, heating and air conditioning, construction, emergency medical services, paramedic training and criminal justice programs. Each year 2,000 students use this state-of-the-art facility which includes program-specific classrooms and laboratories featuring industry-designed equipment with the latest

technology. 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.

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, one associate of science degree and other associate of science courses, and various certificate programs. 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 Falcon Hope Center, career advisement, individual tutoring and a computerized learning/tutoring center, as well as a foreign language lab. More than 1,800 students attend classes at the DeLand Campus each year. Daytona State has broken ground on an all-weather firing range and training facility, and we have begun design work on a driving pad and physical training course. This facility will allow DSC to train law enforcement recruits and sworn officers using the latest techniques in state-of-the-art facilities.

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. Daytona State is preparing to open Building Two, a new multi-disciplinary classroom and laboratory building that will be home to the college's nursing, sonography and high-tech CNC Machining programs, supporting up to 120 nursing students, up to 40 CNC training students and up to 100 students in a new diagnostic sonography program. 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 adult education classes. More than 1,400 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 among Daytona State's fastest-growing regional campuses. The campus offers college credit, college preparatory and the full two-year Associate Degree Nursing program. All general education requirements for the associate of arts degree can be completed here as well as some associate of science programs such as business administration, which includes three certificates. Facilities include a nursing laboratory, two science laboratories, an Academic Support Center, writing center, two computer laboratories, an amphitheater and modern classrooms. More than 1,200 students attended this campus last year, and the numbers are projected to continue to rise.

New Smyrna Beach/Edgewater Campus

940 Tenth Street, New Smyrna Beach ([Locator Map](#))

The New Smyrna Beach/Edgewater Campus offers college credit, college preparatory, adult basic education, and general education development courses. All general education requirements for the associate of arts degree and many requirements for associate of science degree programs may be completed there. The campus has opened a new Workforce Training Lab designed for entry level training in a range of skills for high-demand industries, plus expanded its health occupations, science, computer, public service and occupational programs. It has two science laboratories, a learning center and modern classrooms. Nearly 800 students a year choose to call the New Smyrna Beach/Edgewater Campus their home campus.

Daytona State College's News-Journal Center

221 North Beach Street, Daytona Beach ([Locator Map](#))

A short two miles from the Daytona Beach Campus is the News-Journal Center, Daytona State's performing arts venue and home to its popular music production technology program. This two-theater venue features the most cutting-edge technology available. Its recording and sound studios were designed and built by working industry professionals dedicated to providing students with the opportunity to develop their skills using industry standard digital and analog audio production equipment. The News-Journal Center features two live performance theaters linked through a fiber-optic network to a studio control room that allows for multi-track audio recording of live

performances; rehearsal rooms, isolation rooms and two production studios. The facility also is home to some of the area's finest cultural productions, including top-quality musical and theatrical performances by our own students.

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.

Shop your Daytona State Bookstore at the campus and website of your choosing here: <https://www.bkstr.com/daytonastatedaytonastore/home>.

Library Services

The Daytona State College Library, located in the Gale Lemerand Student Center (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](#). 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 Beach 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](#).

For current hours and 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). Resident, visitor and other reserved areas are designated by signage. Please observe all parking regulations to ensure fairness to everyone attending the College. Repeat or flagrant offenders may be towed at their expense.

Speed Limit

The speed limit on campus is 10 mph unless posted otherwise.

Southeast Museum of Photography

The Southeast Museum of Photography's primary purpose is educational outreach. As a department of Daytona State College, the Museum sits at a cultural intersection between the campus and the surrounding community, and endeavors to provide educational opportunities for both.

The Southeast Museum of Photography (SMP) exhibits, collects, preserves, and interprets photography to facilitate teaching and learning at Daytona State College, and enhances the community's understanding and appreciation of culture, history, art, and photography.

SMP is one of only 13 dedicated photography museums in the nation and presents more than eight exhibitions annually. Through these many exhibitions, the museum creates meaningful connections through interdisciplinary themes that include - but are not limited to - science, humanities, performing arts, geography, and culture. There is something in store for everyone to connect with and learn from when visiting the museum's galleries.

Within its permanent collection, SMP also owns 4,700 images. These range from early processes dating back to the late 1800s, through many contemporary images by prominent photographers in the field today. The collection includes representative works from every major photographic process and the developments within those processes, including tintypes, daguerreotypes, albumen prints, cyanotypes, gelatin silver prints, and C-prints.

SMP is closely involved with academic and community programs at our college. Since its opening in April 1992, the museum has hosted more than 300 exhibitions and produced dozens of catalogues and publications. Each semester, the museum offers films, lectures, seminars, and other events in conjunction with exhibitions currently on display. The museum also provides valuable academic enrichment to students, offering guided tours for a wide range of college and high school classes. Public programs

feature internationally known photographers, critics, writers, and scholars.

The museum offers Daytona State College students extensive opportunities for internships and professional training, such as the work study program that gives students experience in daily museum operations, and the annual Gary R. Libby Scholarship, which allows one chosen student to spend a semester conceptualizing, curating, and installing a community exhibit at Daytona State's News-Journal Center. Many of the museum's former student workers are now employed in museums and galleries around the world. For more information about exhibits and museum hours, please visit SoutheastMuseumofPhotography.org or call (386) 506-3894.

SMP is located on Daytona State's Daytona Beach Campus, 1200 W. International Speedway Blvd., in the Mori Hosseini Building (Building 1200).

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. Please visit our website at DaytonaState.edu/Foundation for 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 program code, 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 2025/2026

LaKisha Holmes, Associate Vice President, College of Arts & Sciences, 386-506-3769,
LaKisha.Holmes@daytonastate.edu

Academic Advising, 386-506-3661,
Advising@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 a variety of perspectives.

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, 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. 102).)

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., for French, German, Italian, and 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, AMH2020 United States History 1865 to Present, or AMH2010 (p. 398) United States History to 1877, and by passing the Florida Civic Literacy Examination with a score of 60% or higher; or achieve a standard score on one of three assessments:

- AP Government and Politics: United States:
- AP United States History or
- CLEP: American Government
- CLEP: History of the United States I

Florida State Board of Education Administrative Rule 6A-10.030, College- Level Communication and Computational Skills:

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	3
MGF2130	OR Mathematical Thinking	3
STA2023	OR Elementary Statistics	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, MGF2130, STA2023: See note 3

SLS1122: See note 4

2nd Semester

ENC1102	Writing with Research	3
	Natural Sciences Core -	3
	Choose One	
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

Natural Sciences Core: See note 7

Year 2

1st Semester

	Natural Sciences Core - Choose One	3
SPC260	Oral	3
8	Communications/Research/Presentation Skills	
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	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

Natural Sciences Core: See note 7

2nd Semester

	Humanities Core - Choose One (LIT)	3
	Humanities Core - Choose One (ARH, HUM, MUL, PHI, THE)	3
	Social Sciences - Choose One	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

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 the Core and Institutional designations; students must complete at least one (1) course from the Core in the areas of NATURAL SCIENCE, HUMANITIES, and SOCIAL SCIENCES.

Visit link to Requirements for Associate of Arts Degree (p. 49) 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 POS204, AMH2020, or AMH2010) and SLS1122 (Managing Your Success) as part of your selections. Students enrolled in an active bachelor's program are not required to complete SLS1122

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. 394) 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 graduation requirement for students in the Associate of Arts (AA) degree.

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.

5. **Cultural/Global Focus** - You may choose any of the following Cultural/Global Focus electives to satisfy this requirement: AMH2091; AML2600; ARH2050; ASL2140; CPO2001; EUH2000; FRE1120; GEB2351; GEO2000; GEO2420; GER1120; HUM2020; HUM2230; INR2002; LIT2110; LIT2120; MUL2380; OCE1001; PHI2600; REL2300; SLS2281 SPN1120; WOH2022.
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, THE). One of these must come from the Core.
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. 49) from the Division of Florida Colleges in the College Catalog under General Education - Requirements for the Associate of Arts Degree (p. 49).

A.S. Certificate

ACCOUNTING TECHNOLOGY MANAGEMENT, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 094300 - Catalog 2025/2026
John.Weiss, Assistant Chair, 386-506-3792,
John.Weiss@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. 187) and 093500 Accounting Technology Operations (p. 148) 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*	\$2,764
Access Fee:	\$31.32
Assessment Fee:	\$34
Textbook Estimate:	\$900

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 onetonline.org. For additional career information, please see: 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 (2020-21) for this field at 69%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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. 394) 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 2025/2026
 John Weiss, Assistant Chair, 386-506-3792, John.Weiss@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 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. 187) and 094300 Accounting Technology Management (p. 147) 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 studentaid.gov/h/apply-for-aid/fafsa. Students are also encouraged to apply for one of the may Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,843
Access Fee:	\$20.88
Assessment Fee:	\$34
Textbook Estimate:	\$600

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2020-21) for this field at 80%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

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. 394) for requisite requirements.

Subtotal: 18

APPLIED TECHNOLOGY SPECIALIST, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 082000 - Catalog 2025/2026
Anindya Paul, Department Chairperson, 386-506-4155, Anindya.Paul@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154, Tammy.Fritz@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 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: daytonastate.edu/scholarships/.

Approximate Costs

Tuition and Fees*: \$1,638

Access Fee: \$18.56

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.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

CET1112C	Digital Fundamentals and Lab	4
EET1011C	Introduction to Electrical Circuits and Lab	3
EET1021C	OR 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	3
EET1021C	OR Advanced Electrical Circuits and Lab	3
ETG2520	Statics and Strength of Materials	3

2nd Semester

EET1607C	Electronics Assembly and Cabling and Lab	3
EGS1000	Professional Performance for Technicians	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 16

AUDIO ELECTRONICS SPECIALIST, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 082700 - Catalog 2025/2026
Bradley Moody, Chairperson, MCCMEA, 386-506-4469, Bradley.Moody@daytonastate.edu
Jake Niceley, Assistant Chairperson, 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

Financial aid eligibility is pending for this program.

Financing Options: For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financialaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition \$2,457.12
and Fees*:

Access Fee: \$27.84

Assessment Fee: \$34

Lab Fees: \$230

Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

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

Additional Admission Requirements

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 2 semesters (30 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2017-18) for this field at 100%.

Job Titles:

Audio Technician
Audio Visual Specialist (AV Specialist)
Audio Visual Technician (AV Technician)
Media Technician
Operations Technician
Stagehand
Video Technician

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

MUM1610	Survey of Recording Technology	3
MUM1622	Sound Reinforcement	3
MUM1634	The Digital Audio	3

	Workstation	
MUM2600	Audio Engineering I	3
MUM2600L	Audio Engineering I Lab	2
MUM2603	Studio Maintenance	3
MUM2677	Sound Reinforcement II	3
MUM2716	Automated Show Control	3
	Applied Music Elective	1

Applied Music Elective - Applied music courses can be found in the MVB, MVK, MVP, MVS, MVV, and MVW sections of the course catalog. Contact the Music Department for any questions.

SAMPLE PROGRAM OF STUDY

1st Semester

MUM1610	Survey of Recording Technology	3
MUM1622	Sound Reinforcement	3
MUM1634	The Digital Audio Workstation	3
MUM2716	Automated Show Control	3

2nd Semester

MUM2600	Audio Engineering I	3
MUM2600L	Audio Engineering I Lab	2
MUM2603	Studio Maintenance	3
MUM2677	Sound Reinforcement II	3
	Applied Music Elective	1

Applied Music Elective - Applied music courses can be found in the MVB, MVK, MVP, MVS, MVV, and MVW sections of the course catalog. Contact the Music Department for any questions.

Subtotal: 24

AUDIO/RECORDING TECHNOLOGY, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 081801 - Catalog 2025/2026
Bradley Moody, Chairperson, MCCMEA, 386-506-4469, Bradley.Moody@daytonastate.edu
Jake Niceley, Assistant Chairperson, 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 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$1,536

Access Fee: \$17.40

Assessment Fee: \$34

Lab Fees: \$230

Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

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

Additional Admission Requirements

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2021-22) for this field at 81%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

MUM1610	Survey of Recording Technology	3
MUM1622	Sound Reinforcement	3
MUM1634	The Digital Audio Workstation	3
MUM2600	Audio Engineering I	3
MUM2600L	Audio Engineering I Lab	2
	Applied Music Elective	1

Applied Music Elective - Applied music courses can be found in the MVB, MVK, MVP, MVS, MVV, and MVW sections of the course catalog. Contact the Music Department for any questions.

SAMPLE PROGRAM OF STUDY

1st Semester

MUM1610	Survey of Recording Technology	3
MUM1622	Sound Reinforcement	3
MUM1634	The Digital Audio Workstation	3

2nd Semester

MUM2600	Audio Engineering I	3
MUM2600L	Audio Engineering I Lab	2
	Applied Music Elective	1

Applied Music Elective - Applied music courses can be found in the MVB, MVK, MVP, MVS, MVV, and MVW sections of the course catalog. Contact the Music Department for any questions.

Subtotal: 15

AUTOCAD FOUNDATIONS (ARCHITECTURAL), A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 092700 - Catalog 2025/2026
 Anindya Paul, Chair, 386-506-4155,
Anindya.Paul@daytonastate.edu
 Deborah Kirkland, Assistant Chair, 386-506-4158,
Deborah.Kirkland@daytonastate.edu
 Tammy Fritz, Senior Staff Assistant, 386-506-4154,
Tammy.Fritz@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 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$1,536

Access Fee: \$17.40

Assessment Fee: \$34

Lab Fees: \$24 - \$39

Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

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

Additional Admission Requirements

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2017-18) for this field at 75%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview.

For questions, please email Career Services to connect with a 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
ETG2949	Internship in Engineering	1-4
ETG2949: This is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this program.		

SAMPLE PROGRAM OF STUDY

1st Semester

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

2nd Semester

ETG2949	Internship in Engineering	1-4
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
BCN1253C	Architectural Drawing II and Lab	3

ETG2949: This 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. 394) for requisite requirements.

Subtotal: 14

AUTOCAD FOUNDATIONS (ENGINEERING), A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 092800 - Catalog 2025/2026
Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Deborah Kirkland, Assistant Chair, 386-506-4158, Deborah.Kirkland@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154, Tammy.Fritz@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 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,536
Access Fee:	\$17.40
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

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2017-18) for this field at 75%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

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
ETG2949	Internship in Engineering	1-4

ETG2949: This is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this program.

SAMPLE PROGRAM OF STUDY

1st Semester		
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
2nd Semester		
ETD2465C	Tool Design and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETG2949	Internship in Engineering	1-4

ETG2949: This 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. 394) for requisite requirements.

Subtotal: 14

BAKING AND PASTRY ARTS, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 082600 - Catalog 2025/2026
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 is committed to providing students with 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; embracing excellence and diversity, and emphasizing student success. 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$3,583
Access Fee:	\$40.60
Assessment Fee:	\$34
Lab Fees:	\$1,200
Uniforms:	\$75
Pastry Kit:	\$304
Textbook:	\$285

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2021-22) for this field at 63%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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

Fall Semester

FOS1201	Sanitation and Safety	3
FOS1151	Nutritional Baking	3
FOS1142	Pastry Fundamentals	3
FOS2161	Specialty Artisan Breads	4

Spring Semester

FOS1141	Introduction to Cakes	3
FOS2146	Advanced Cakes	3
HFT1000	Introduction to Hospitality Industry	3
FOS2147	Advanced Pastry Techniques	3

Summer Semester

FOS2140	Chocolate and Confections	3
FOS2145	Dessert Production and Presentation	4
HFT2454	Hospitality Purchasing and Controls	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 35

BROADCAST TV PRODUCTION, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 082400 - Catalog 2025/2026
Anita Bevins, Professor, 386-506-3936, Anita.Bevins@daytonastate.edu
Bradley Moody, Digital Media Production Chairperson, 386-506-4469, Bradley_Moody@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. 196).

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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$2,457.12

Access Fee: \$27.84

Assessment Fee: \$34

Lab Fees: \$129.15

Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Students completing the Broadcast Television Production A.S. Certificate are qualified to work as television directors, producers, guest bookers, studio camera operators, videographers, jib operators, floor directors, technical directors, associate directors,

prompter operators, audio board operators, audio assistants, camera shaders, telephone and text coordinators for live call-in shows, production assistants, lighting technicians, video editors, script writers, assistant directors, field producers, video editing assistants and graphics operators.

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>.

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 (2018-19) for this field at 75%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

RTV1000	Fundamentals of Broadcast Production	4
RTV1510	Studio Television Production	4
RTV1670	Television Directing	3
RTV2241	Producing for Television	3
RTV2534	Electronic Field Production	3
RTV2540	Workshop in Studio Production	3
RTV2541	Team Media Production	4

Subtotal: 24

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester		
RTV1000	Fundamentals of Broadcast Production	4

2nd Semester

RTV1510	Studio Television Production	4
RTV1670	Television Directing	3
RTV2241	Producing for Television	3

Year 2**3rd Semester**

RTV2534	Electronic Field Production	3
RTV2540	Workshop in Studio Production	3
RTV2541	Team Media Production	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 24

BUSINESS MANAGEMENT, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 091600 - Catalog 2025/2026
John Weiss, Assistant Chair, 386-506-3792, John.Weiss@daytonastate.edu
School of Business Administration, 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. 199) and 091300 Business Operations Entrepreneurship (p. 160) 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$2,457
Access Fee:	\$27.84
Assessment Fee:	\$34
Textbook Estimate:	\$1,050

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2021-22) 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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs,

and practice your interview skills with *Big Interview*.
For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

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 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

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	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	3

SBM2000	Marketing	
	Small Business Management	3
	Accounting or Finance Elective	3
	Business Elective	3

Subtotal: 24

BUSINESS OPERATIONS - ENTREPRENEURSHIP, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 091300 - Catalog 2024/2025
John Weiss, Assistant Chair, 386-506-3792,
John.Weiss@daytonastate.edu
Diana-Joy Colarusso, 386-506-3603, DianaJoy.Colarusso@daytonastate.edu
School of Business Administration, 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. 199), 222100 - AS degree in Industrial Management Technology (p. 262), and the 091600 - Business Management certificate (p. 159).

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 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,843
Access Fee:	\$20.88
Assessment Fee:	\$34
Textbook Estimate:	\$900

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2020-21) for this field at 100%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

GEB1011	Introduction to Business	3
ISM2000	Business Information	3

MAR2011	Processing 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
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	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 Accounting or Finance Elective	3

2nd Semester

MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3
	Business Elective	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 18

COMPUTER PROGRAMMING, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 093800 - Catalog 2025/2026

Anindya Paul, Chair, 386-506-4155,

Anindya.Paul@daytonastate.edu

Luke Sui, Assistant Chair,

Luke.Sui@daytonastate.edu

Tammy Fritz, Senior Staff Assistant, 386-506-4154,

Tammy.Fritz@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 document and maintain computer programs. The program incorporates innovative teaching methods, uses the latest technology and industry relevant coding languages, thus encouraging student success.

Description:

Dive into the world of coding with our Computer Programming Certificate Program. The program is designed for beginners and intermediate learners. This program covers essential programming languages along with fundamental concepts such as algorithms, data structures, and software development practices. 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: <https://www.daytonastate.edu/scholarships/>.

Approximate Costs

Program Tuition and Fees*: \$3,379

Access Fee: \$38.28

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

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2020-21) for this field at 79%.

For additional Information on wages, trends and career

videos: http://www.careerinfonet.org/occ_rep.asp?opt=status=011000000&socode=151021&id=1&nodeid=2&stfips=12&search=Go

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

CET1600	Network Plus	3
CTS1851	Internet Web Foundations (HTML, CSS)	3
COP2700	Introduction to Database Management	3
COP1000	Principles of Computer Programming	3
COP2072	Reporting Services	3
COP2800	Computer Programming Java	3
COP2949	Internship in Computer Programming	1-4
EGS1000	Professional Performance for Technicians	3
CEN2002	Software Design and Development I	3
CET2154	Computer Hardware & Software	4
	Computer Elective (3 credits): Choose One Course from List	3

COP2949: This is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this program.

Computer Elective Course List (3 credits)

Choose One Course

COP2360	C# Programming	3
CGS2100	Microcomputer Applications	3
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3
CIS2350	Principles of Information Assurance	3
CAP2741	Data Visualization	4
COP2071	Querying Database	3
CAI1320	AI Application & Prompt Engineering	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	Computer Hardware & Software	4

2nd Semester

COP2800	Computer Programming Java	3
COP2072	Reporting Services	3
CEN2002	Software Design and Development I	3
COP2700	Introduction to Database Management	3

3rd Semester

COP2949	Internship in Computer Programming	1-4
	Computer Elective	3

COP2949: This 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. 394) for requisite requirements.

Subtotal: 33

COMPUTER-AIDED DESIGN AND DRAFTING, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 082100 - Catalog 2025/2026

Anindya Paul, Department Chairperson, 386-506-4155, Anindya.Paul@daytonastate.edu
 Deborah Kirkland, Assistant Chair, 386-506-4158, Deborah.Kirkland@daytonastate.edu
 Tammy Fritz, Senior Staff Assistant, 386-506-4154, Tammy.Fritz@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 solid 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Tuition and Fees*:	\$2,457
Access Fee:	\$27.84
Assessment Fee:	\$34
Lab Fees:	\$279
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

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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) lists the placement rate (2020-21) for this field at 71%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview.

For questions, please email Career Services to connect with a 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
BCT1040	Blueprint Reading	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETD2465C	Tool Design and Lab	3

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

BCT1040	Blueprint Reading	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3

2nd Semester

ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2368C	SolidWorks II and Lab	3
ETD2465C	Tool Design and Lab	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 24

CULINARY ARTS, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 081900 - Catalog 2025/2026
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. 214).

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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$3,583
Access Fee:	\$40.60
Assessment Fee:	\$34
Lab Fees:	\$1,250 (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.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses

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 (2020-21) for this field at 79%.

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&E ST=Chefs

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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 Management and Lab	3
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. 394) for requisite requirements.

Subtotal: 35

DRAFTING AND DESIGN TECHNOLOGY, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 092901 - Catalog 2025/2026
 Anindya Paul, Chair, 386-506-4155,
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 Deborah Kirkland, Assistant Chair, 386-506-4158,
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 Tammy Fritz, Senior Staff Assistant, 386-506-4154,
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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

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

Financing Options: All students are encouraged to apply for federal and state student financial assistance by completing the FAFSA at studentaid.gov/h/apply-for-aid/afsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$2,252.36

Access Fee: \$25.52

Assessment Fee: \$34

Lab Fees: \$249

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

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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>

17-2051.01 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 (2017/18) for this field at 80%.

For additional Information on wages, trends and career videos:

http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&socode=173019&id=1&nodeid=2&stfips=12&search=Go

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

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
ETG2949	Internship in Engineering	1-4
ETG2949: This is a variable credit course (1-4 credits). The academic department has approved it for 1 credit in this program.		

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
ETG2949	Internship in Engineering	1-4
ETG2949: This is a variable credit course (1-4). The academic department has approved it for 1 credit in this program.		

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. 394) for requisite requirements.

Subtotal: 22

ENGINEERING TECHNOLOGY SUPPORT SPECIALIST, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 082300 - Catalog 2025/2026
Anindya Paul, Department Chairperson, 386-506-4155, Anindya.Paul@daytonastate.edu

Tammy Fritz, Senior Staff Assistant, 386-506-4154,
Tammy.Fritz@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 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$2,150

Access Fee: \$24.36

Assessment Fee: \$34

Lab Fees: \$95 - \$101

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.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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	3
	OR	
EET1021C	Advanced Electrical Circuits and Lab	3
ETI1110	Introduction to Quality Assurance	3
ETI1701	Industrial Safety	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3

2nd Semester

EET1607C	Electronics Assembly and Cabling and Lab	3
EGS1000	Professional Performance for Technicians	3
ETM1010	Mechanical Measurement and Instrumentation	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 21

FAME ADVANCED MANUFACTURING TECHNICIAN (LIMITED ACCESS PROGRAM), A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 082800 - Catalog 2025/2026
Anindya Paul, Department Chairperson, 386-506-4155, Anindya.Paul@daytonastate.edu
Wendy Samuel, FAME-AMT Coordinator, 386-506-4139, Wendy.Samuel@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154, Tammy.Fritz@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The program prepares students for employment in manufacturing and automation industries. This certificate is a part of the Engineering Technology AS

degree program. The program prepares students for entering the manufacturing career cluster.

Description:

This certificate prepares students for Engineering Technology support positions dealing with operating and troubleshooting automation systems used in today's manufacturing sector. Students learn and apply the principles of robotics and logic controls used in current manufacturing systems. This certificate is only available through the FAME program (with employer sponsorship).

Outcomes:

Graduates of the program will be able to:

1. Demonstrate a fundamental understanding, operation, and maintenance of industrial automation systems.
2. Troubleshoot industrial automation system.
3. Apply the principles of robotics to automated systems.
4. Create and operate human machine interfaces to control automated systems.

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 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: daytonastate.edu/scholarships/.

Approximate Costs

Tuition and Fees*: \$1,228.56

Access Fee: \$13.92

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.

Additional Admission Requirements

- Enrolled in the Engineering Technology, A.S. program and be a participant in the FAME cohort.

Additional Completion Requirements

- Satisfy the course prerequisite requirements to be awarded the certificate. The prerequisite courses are part of the Associate of Science (AS) Engineering Technology program that should be completed for the embedded certificate
- Earn a grade "C" or better in all program specific and prerequisite courses.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3
ETS2540C	Fundamentals of Robotics and Automation	3
ETS2542C	Programmable Logic Controllers	4
ETI2947	Cooperative Education Experience in Advanced Manufacturing Technology 1	1
ETI2949	Cooperative Education Experience in Advanced Manufacturing Technology 3	1

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

ETM2315C	Hydraulic and Pneumatic Power and Control and	3

ETS2540C	Lab Fundamentals of Robotics and Automation	3
ETI2947	Cooperative Education Experience in Advanced Manufacturing Technology 1	1
2nd Semester		
ETS2542C	Programmable Logic Controllers	4
ETI2949	Cooperative Education Experience in Advanced Manufacturing Technology 3	1

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 12

HOSPITALITY BEVERAGE SCIENCE, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 082500 - Catalog 2025/2026
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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$3,071
Access Fee:	\$34.80
Assessment Fee:	\$34

Lab Fees:	\$110
Uniforms:	\$100

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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

Fall 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

Spring 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. 394) for requisite requirements.

Subtotal: 30

INFORMATION TECHNOLOGY ANALYSIS, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 090300 - Catalog 2025/2026

Anindya Paul, Chair, 386-506-4155,

Anindya.Paul@daytonastate.edu

Luke Sui, Assistant Chair,

Luke.Sui@daytonastate.edu

Tammy Fritz, Senior Staff Assistant, 386-506-4154,

Tammy.Fritz@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. 216), and some courses could be applied toward AS degrees in Computer Programming and Analysis (p.

207), Computer Information Technology (p. 205), and Computer Engineering Technology (p. 202).

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 secured network environment.
3. Demonstrate understanding of internet structure, organization and navigation.
4. Plan, perform and evaluate technical system support functions.
5. Design, perform and evaluate troubleshooting activities.
6. Plan and perform systems monitoring activities.
7. Assess and perform computer information systems analysis activities.
8. Plan and implement solutions based on customer requirements.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$2,764

Access Fee: \$31.32

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

- Complete college preparatory/developmental course work prior to enrollment in college-level

English or math courses. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2020-21) for this field at 90%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

CTS2353	Networking with Windows Server	3
CTS2214	Project Management w/Microsoft Project	3

CIS2350	Principles of Information Assurance	3
CTS2308	Installing and Configuring Windows Workstation OS	3
CET2154	Computer Hardware & Software	4
CET1600	Network Plus	3
CTS2358	Identity with Windows Server	3
EGS1000	Professional Performance for Technicians	3
CIS2949	Internship in Computer and Information Systems	1-4

CIS2949: This is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this program.

SAMPLE PROGRAM OF STUDY

1st Semester

CET2154	Computer Hardware & Software	4
CET1600	Network Plus	3
CTS2308	Installing and Configuring Windows Workstation OS	3
CTS2358	Identity with Windows Server	3
EGS1000	Professional Performance for Technicians	3

2nd Semester

CIS2350	Principles of Information Assurance	3
CTS2353	Networking with Windows Server	3
CTS2214	Project Management w/Microsoft Project	3
CIS2949	Internship in Computer and Information Systems	1-4

CIS2949: This 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. 394) for requisite requirements.

Subtotal: 27

INTERIOR DESIGN TECHNOLOGY - KITCHEN AND BATH SPECIALIZATION, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 081600 - Catalog 2025/2026
 Anindya Paul, Chair, 386-506-4155,
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 Deborah Kirkland, Assistant Chair, 386-506-4158,
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Tammy Fritz, Senior Staff Assistant, 386-506-4154,
Tammy.Fritz@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. 247) 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. 189).

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$3,993
Access Fee:	\$45.24
Assessment Fee:	\$34
Lab Fees:	\$520 - \$535
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

- Complete college preparatory/developmental course work prior to enrollment in college-level

English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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) lists the placement rate (2018-19) for this field at 80%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

BCN1251C	Architectural Drawing I 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
IND1233	Studio I-Fundamentals of Interiors	3

Program Elective (3 credits)

Choose One Course

ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
IND2949	Internship in Interior Design	1-3

IND2949: This is a variable credit course (1-3 credits). The academic department has approved it for 3 credits in this program.

SAMPLE PROGRAM OF STUDY

1st Semester

IND1233	Studio I-Fundamentals of Interiors	3
BCN1251C	Architectural Drawing I and Lab	3
BCN2049	Sustainable Design & Construction	3
IND1300	Graphics of Interior Design I	3
HHD1361	Practical Interior Applications	3

2nd Semester

IND2500	Professional Practices for the Design Industry	3
IND1432	Lighting for Interior Design	3
IND1935	Building and Barrier Free Codes	3
	Program Elective	3
IND2408	Specialized Software for Interior Design	3

3rd Semester

IND2411	Materials and Estimating for Kitchen and Bath	3
IND2410	Kitchen and Bath Design I	3
IND2414	Kitchen and Bath Design II	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 39

MARKETING, SALES AND SERVICE - ENTREPRENEURSHIP, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 081700 - Catalog 2025/2026
John Weiss, Assistant Chair, 386-506-3792,
John.Weiss@daytonastate.edu
Diana-Joy Colarusso, 386-506-3603,
DianaJoy.Colarusso@daytonastate.edu
School of Business Administration, 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. 160), Business Management Certificate - 091600 (p. 159) or AS degree in Business Administration - 205900 (p. 199). 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 grants, loans, and work programs available see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,229
Access Fee:	\$13.92
Assessment Fee:	\$34
Textbook Estimate:	\$400

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2021-22) for this field at 86%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Business Electives (6 credits)

Choose Two Courses		
MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MAR2720	Digital Marketing	3

SAMPLE PROGRAM OF STUDY

1st Semester		
MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3
	Business Elective	3
	Business Elective	3

Subtotal: 12

MEDICAL CODER BILLER (LIMITED ACCESS PROGRAM), A.S. CERTIFICATE**PROGRAM INFORMATION**

A.S. Certificate - Code 091201 - Catalog 2025/2026

Martin Smith, Assistant Chair, 386-506-3756,

Martin.Smith@daytonastate.edu

Melissa Brown, Academic Advisor, 386-506-3052,

Melissa.Brown-Mack@daytonastate.edu

Program Mission, Description, and Outcomes**Mission:**

The mission of the Medical 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 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 an A.S. degree in Health Information Technology. Graduates are eligible to take applicable credentialing examinations.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$3,788
Access Fee:	\$46.25
Assessment Fee:	\$34
Lab Fees (including liability insurance):	\$120
Textbook Estimate:	\$1,340
Certification Exam	\$400

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

Additional Admission Requirements

This is a limited access program.

- Have a standard high school diploma or GED.
- Be at least 18 years of age
- Complete the Postsecondary Education Readiness Test (PERT) with a minimum 10th grade level for reading, language and mathematics. See an Academic Advisor to determine developmental course requirements.
- Exemptions include:
 - Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma
 - Active duty military applicants
 - Those who have successfully completed college level English and/or Math

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections 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.

- Earned a cumulative grade point average of 2.5 or better.
- Complete the following course with a grade of 'C' or better:
 - HSC1531 Medical Terminology
 - MAT0028C Elementary Algebra and Lab - This eligibility can be met through assessment results or course work.
- Qualify for ENC1101 Introduction to Composition.
- Score, at minimum, on the 10th grade level for reading, language, and mathematics.
 - Applicants that have successfully completed college level English and/or Math may be exempt from placement testing.
- Submit a completed application for continuing enrollment to the School of Health Careers. Applications are accepted anytime during the year.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Complete all program specific courses within one year and be evaluated by the assistant chair.
- Receive approval by the Assistant Chair for all course substitutions.
- Adhere to the policy and procedures of the Medical Coder/Biller program as outlined in the 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 (2022-23) for this field at 85%.

Job titles for this certificate are Medical Coder and Medical Biller.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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	Coder Biller Pharmacology	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

BSC1020	Human Biology	3

HIM1000C	Introduction to Health Information Management and Lab	3
HIM1222C	Beginning ICD-10-CM Coding and Lab	4
HIM2652	Electronic Health Record	2
HIM2430	Concepts of Diseases	4
2nd Semester		
HIM2442	Coder Biller Pharmacology	1
HIM2253C	Beginning CPT Coding and Lab	3
HIM1273	Billing and Reimbursement Methods	2
3rd Semester		
ENC1101	Introduction to Composition	3
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. 394) for requisite requirements.

Subtotal: 37

NETWORK SERVER ADMINISTRATION, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 090400 - Catalog 2025/2026
 Anindya Paul, Chair, 386-506-4155,
 Anindya.Paul@daytonastate.edu
 Timothy Pintello, Assistant Chair, 386-506-4126,
 Timothy.Pintello@daytonastate.edu
 Tammy Fritz, Senior Staff Assistant, 386-506-4154,
 Tammy.Fritz@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 (p. 216) and other Associate degree programs including Computer Information Technology (p. 205), Computer Engineering Technology (p. 202) and Electronics Engineering Technology (p. 233).

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 in a workplace environment.
5. Describe common operating system and security concepts and associated 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$2,457

Access Fee: \$27.84

Assessment Fee: \$34

Lab Fees: \$10

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

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses

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 (2020-21) for this field at 95%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

CTS2308	Installing and Configuring Windows Workstation OS	3
CIS2350	Principles of Information Assurance	3
CET1600	Network Plus	3
CTS2358	Identity with Windows Server	3
EGS1000	Professional Performance for Technicians	3

CTS2353	Networking with Windows Server	3

Computer Electives (6 credits)

Choose Two Courses

CTS2370	Virtualization Infrastructure: Installation and Configuration	3
CET2660	Fundamentals of Cybersecurity Analysis	3
CNT2402	Penetration Testing	3
CTS2321	Linux Fundamentals	3

SAMPLE PROGRAM OF STUDY

1st Semester

CTS2358	Identity with Windows Server	3
EGS1000	Professional Performance for Technicians	3
CTS2308	Installing and Configuring Windows Workstation OS	3
CET1600	Network Plus	3

2nd Semester

CIS2350	Principles of Information Assurance	3
CTS2353	Networking with Windows Server	3
	Computer Elective	3
	Computer Elective	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 24

OFFICE MANAGEMENT, A.S. CERTIFICATE

PROGRAM INFORMATION

A.S. Certificate - Code 091400 - Catalog 2024/2025
Max Nagiel, Department Chair, 386-506-3829,
Max.Nagiel@daytonastate.edu
Nathan W. Kotas, J.D., Assistant Chair, 386-506-3511,
Nathan.Kotas@daytonastate.edu
School of Business Administration, 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. 183) and the 222900 AS Office Administration (p. 265). 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$2,764

Access Fee: \$31.32

Assessment Fee: \$34

Textbook Estimate: \$1,200

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses

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 (2020-21) for this field at 96%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

Program Specific Courses require a "C" or better.

ISM2000	Business Information Processing	3
MNA2161	Customer Service Management	3
OST1100	Document Formatting I	3
OST1110	Document Formatting II	3
OST1330	Business English	3
OST2336	Business Communications	3
OST2401	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	Document Formatting I	3
OST1330	Business English	3

OST2401	Office Procedures	3
2nd Semester		
MNA2161	Customer Service Management	3
OST1110	Document 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. 394) 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 2025/2026
Max Nagiel, Department Chair, 386-506-3829, Max.Nagiel@daytonastate.edu
Nathan W. Kotas, J.D., Assistant Chair, 386-506-3511, Nathan.Kotas@daytonastate.edu
School of Business Administration, 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. 181);

and the AS degree in Office Administration - 222900 (p. 265). 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 grants, loans, and work programs available see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,229
Access Fee:	\$13.92
Assessment Fee:	\$34

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses

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 (2020-21) for this field at 97%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

Program Specific Courses require a "C" or better.

ISM2000	Business Information Processing	3
OST1100	Document Formatting I	3
OST1330	Business English	3
OST2401	Office Procedures	3

Sample Program of Study

ISM2000	Business Information Processing	3
OST1100	Document Formatting I	3
OST1330	Business English	3
OST2401	Office Procedures	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 12

PARAMEDIC (LIMITED ACCESS PROGRAM), A.S. CERTIFICATE

SAMPLE PROGRAM OF STUDY

1st Semester		
EMS2603C	Paramedic I and Lab	12
2nd Semester		
EMS2604C	Paramedic II and Lab	12
EMS2666	Paramedic Emergency Department Clinical	1
3rd Semester		
EMS2605C	Paramedic III and Lab	11
EMS2667	Paramedic Field and Specialty Clinical	2
4th Semester		
EMS2659	Paramedic Internship	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 42

Notes

Per Florida Statute 401.2701: Paramedic programs must be available only to Florida-certified emergency medical technicians or an emergency medical technician applicant who will obtain Florida certification prior to completion of phase one of the paramedic program. 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 097901 - Catalog 2025/2026

Anita Bevins, Professor, 386-506-3936,

Anita.Bevins@daytonastate.edu

Bradley Moody, Digital Media Production

Chairperson, 386-506-3276, 4469

Bradley.Moody@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. 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 grants, loans, and work programs available see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,229
Access Fee:	\$13.92
Assessment Fee:	\$34
Lab Fees:	\$124.55
Textbook Estimate:	\$115

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Students completing the Television Studio Production Certificate are qualified to work as studio camera operators, videographers, jib operators, floor directors, technical directors, prompter operators, audio board operators, audio assistants, camera shaders, telephone and text coordinators for live call-in shows, production assistants, lighting technicians, video editing assistants and graphics operators.

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 (2019-20) for this field at 71%.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

RTV1000	Fundamentals of Broadcast Production	4
RTV1510	Studio Television Production	4
RTV2541	Team Media Production	4

SAMPLE PROGRAM OF STUDY

1st Semester

RTV1000	Fundamentals of Broadcast Production	4

2nd Semester

RTV1510	Studio Television Production	4

3rd Semester

RTV2541	Team Media Production	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 12

Note:

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 2025/2026
Anindya Paul, Chair, 386-506-4155,
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Luke Sui, Assistant Chair,
Luke.Sui@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154,
Tammy.Fritz@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:

Elevate your career with our Web Development Specialist program. The program is designed for beginners and intermediate learners. The program covers the latest web technologies and web programming languages like HTML, CSS, JavaScript and others. Program courses transfer directly into Associate of Science in Computer Programming and Analysis (p. 207), and other Associate degree programs.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate proficiency with Internet structure, organization, and navigation.
2. Plan and perform installation and configuration of computer hardware and computer hardware.
3. Plan and perform enterprise architecture-related tasks.
4. Prepare, plan and perform web design/development activities and web site management activities.
5. Plan, perform, and troubleshoot programming and scripting using multiple languages.
6. Apply 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$3,583

Access Fee: \$40.60

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

- Complete college preparatory/developmental course work prior to enrollment in college-level English or math courses, if needed. See an Academic Advisor to determine developmental course requirements.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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 (2020) for this field at 86%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

CTS2353	Networking with Windows Server	3
CET2154	Computer Hardware & Software	4
CET1600	Network Plus	3
COP2072	Reporting Services	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
CTS2308	Installing and Configuring Windows Workstation OS	3
CIS2949	Internship in Computer and Information Systems Program Elective	1-4 3

CIS2949: This is a variable credit course (1-4). The academic department has approved it for 1 credit in this program.

Program Specific Elective

Choose One Course

CAI2010	Introduction to AI and Machine Learning with Python Programming	3
CAI1320	AI Application & Prompt Engineering	3
CAP2741	Data Visualization	4
EGS1000	Professional Performance for Technicians	3

SAMPLE PROGRAM OF STUDY**1st Semester**

CET2154	Computer Hardware & Software	4
COP1000	Principles of Computer Programming	3
CET1600	Network Plus	3
CTS1851	Internet Web Foundations (HTML, CSS)	3

2nd Semester

COP2072	Reporting Services	3
COP2700	Introduction to Database Management	3
CGS2820	Web Programming (JavaScript, Ajax,	3

CTS2308	ASP.Net) Installing and Configuring Windows Workstation OS	3

3rd Semester

CTS2353	Networking with Windows Server	3
CEN2002	Software Design and Development I	3
CIS2949	Program Specific Elective Internship in Computer and Information Systems	3 1-4

CIS2949: This is a variable credit course (1-4). The academic department has approved it for 1 credits in this program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 35

A.S. Degree**ACCOUNTING TECHNOLOGY, A.S. DEGREE****PROGRAM INFORMATION**

A.S. Degree - Code 208400 - Catalog 2025/2026
John Weiss, Assistant Chair, 386-506-3792,
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John Fortner, 386-506-3990,
John.Fortner@daytonastate.edu
School of Business Administration, 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 and the Bachelor of Science in Accounting 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.

Students who wish to pursue the BS in Accounting must complete the following prerequisite courses: ACG2021, ACG2071, ISM2000 or CGS2100, ECO2013, ECO2023, STA2023, MAC2233.

AS Certificates That Lead To This Degree:

The following AS Certificates are embedded within this degree: Accounting Technology Operations - Tax Preparation - 093500 (p. 148); Accounting Technology Management - 094300 (p. 147). 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid

webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
STA2023	Elementary Statistics	3
Mathematics Core: Students seeking to transfer to Bachelor's programs or who wish to pursue the BS in Accounting (p. 311) are encouraged to complete STA2023 and an additional General Education mathematics course, MAC2233.		

Natural Sciences Core (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

Program Specific Courses

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
ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	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

Subtotal: 45

ACG2021, APA1111, APA1121, APA1711, FIN1100, FIN2000, ISM2000, QMB1001, TAX2000: Course counts toward the following certificates: Accounting Technology Operations (Code 093500) (p. 148) or Accounting Technology Management (Code: 094300) (p. 147). 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
ECO2023	Principles of Microeconomics	3
	Mathematics Core	3

Mathematics Core: Students seeking to transfer to Bachelor's programs or who wish to pursue the BS in Accounting are encouraged to complete MAC1105, STA2023 and an additional math core requirement, MAC2233.

Summer Semester

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
	Natural Sciences Core	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 for requisite requirements.

Subtotal: 60

ARCHITECTURAL AND BUILDING TECHNOLOGY, A.S. DEGREE**PROGRAM INFORMATION**

A.S. Degree - Code 221900 - Catalog 2025/2026

Anindya Paul, Chair, 386-506-4155,
Anindya.Paul@daytonastate.edu
Deborah Kirkland, Assistant Chair, 386-506-4158,
Deborah.Kirkland@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154,
Tammy.Fritz@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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Building Construction

Drafting & Design

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
MAC1105	College Algebra	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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.

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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	3
IND1935	Building and Barrier Free Codes	3
BCN2049	Sustainable Design & Construction	3
IND2500	Professional Practices for the Design Industry	3

Subtotal: 42

Program Elective (3 credits)

Choose One Course

EGN1111C	Engineering Drawing and Lab	3
ETD2377C	3D Computer Animation (3D Studio) and Lab	3
ETG2949	Internship in Engineering	1-4
IND2408	Specialized Software for Interior Design	3

ETG2949: This course is a variable credit course (1-4). The academic department has approved it for 3 credits in this A.S. program.

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester		
ENC1101	Introduction to Composition	3
BCN1251C	Architectural Drawing I and Lab	3
BCN2049	Sustainable Design & Construction	3
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
BCT1040	Blueprint Reading	3

2nd Semester

BCN1210	Materials and Processes	3
BCN1253C	Architectural Drawing II and Lab	3
	Mathematics Core	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3

Summer Semester

	Humanities Core	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

Year 2

1st Semester		
ETC2207C	Construction Planning and Estimating and Lab	3
	Natural Sciences Core	3
ETG2520	Statics and Strength of Materials	3
ETD2390C	Introduction to Revit Architecture and Lab	3
	Program Elective	3

2nd Semester

ETC2245	Construction Methods	3
ETD2540C	Civil Drafting and Surveying (CAD) and Lab	3
IND1935	Building and Barrier Free Codes	3
IND2500	Professional Practices for the Design Industry	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

AEROSPACE TECHNOLOGY, A.S. DEGREE

PROGRAM INFORMATION

This program is anticipated to launch in Spring 2026.

A.S. Degree - Code 227200 - Catalog 2025/2026
Anindya Paul, Department Chair, 386-506-4155,
Anindya.Paul@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154,
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Program Mission, Description, and Outcomes

Mission:

To provide students with the knowledge and skills necessary to excel as highly qualified aerospace technicians, enabling them to contribute to the advancement of the aerospace industry through innovative solutions and technical expertise.

Description:

The Aerospace Technology program prepares students for careers in the aerospace industry. Graduates will be qualified to assemble, service, test, operate, and repair systems associated with space launch vehicles, payloads, and ground support equipment. The program also offers supplemental training for industry professionals and prepares students for industry certifications. Graduates may pursue careers in various technical roles, including testing, fabrication, assembly, production, repair, and manufacturing.

AS Certificates that Lead to this Degree:

The following AS Certificates are embedded within this degree:

- Aerospace Technician (43 credit hours)
- Structure Technician (17 hours)

You may pursue the AS degree and 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 Effectively: Convey technical information clearly and concisely, both orally and in writing.
2. Apply Mathematical Concepts: Utilize mathematical principles to solve engineering problems.
3. Understand Material Science: Comprehend the fundamental principles of material science and their applications.
4. Practice Safe Work Habits: Adhere to safety regulations and industry standards.
5. Apply Aerospace Systems Knowledge: Understand and apply the principles of spacecraft and launch vehicle systems.
6. Utilize Technical Skills: Employ industry-standard tools and equipment effectively.
7. Troubleshoot and Solve Problems: Identify, analyze, and resolve technical issues.
8. Demonstrate Professionalism: Exhibit professional skills, such as time management, teamwork, and problem-solving

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$6,143
Access Fee:	\$96
Assessment Fee:	\$34

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

Additional Admission Requirements

- Have a standard high school diploma or GED.
- Provide an official transcript from all previous institutions attended.

International Students

- Provide transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- Achieve specified minimum scores on the Test of English as a Foreign Language (TOEFL).

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and general education courses.
 - Earn a grade "D" or better in all elective courses.
- Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.*

General Education (p. 53)

15 Credits

Communication Core (3 Credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 Credits)

Recommended Math Pathway:

MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 Credits)

Recommended courses. 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

Social Sciences Core (3 Credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

ETI1420	Manufacturing Processes and Materials	3
ETI1411	Survey of Manufacturing Processes	3
ETI1701	Industrial Safety	3
ETI1110	Introduction to Quality Assurance	3
ETM1010	Mechanical Measurement and Instrumentation	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
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3
EGS1000	Professional Performance for Technicians	3
CTS2214	Project Management w/Microsoft Project	3
ETI1852C	Aerospace Mechanics and Mechanical Systems	3
ETI2856C	Aerospace Structural Fabrication	3
ETI1852C	Aerospace Composites	3

and Materials Testing Elective	3
Subtotal: 49	

Program Elective

Choose One Course

BCT1040	Blueprint Reading	3
ETD2465C	Tool Design and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETI2949	Cooperative Education Experience in Advanced Manufacturing Technology	3

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

MGF2130	Mathematical Thinking	3
ETI1701	Industrial Safety	3
ETI1110	Introduction to Quality Assurance	3
EET1607C	Electronics Assembly and Cabling and Lab	3
EGS1000	Professional Performance for Technicians	3

Subtotal: 15**2nd Semester**

EET1011C	Introduction to Electrical Circuits and Lab	3
ENC1101	Introduction to Composition	3
ETI1420	Manufacturing Processes and Materials	3
ETM1010	Mechanical Measurement and Instrumentation	3
ETI2856C	Aerospace Structural Fabrication	3

Subtotal: 15**Summer Semester**

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

Subtotal: 3**Year 2****1st Semester**

EET1021C	Advanced Electrical Circuits and Lab	3
ETI1852C	Aerospace Mechanics and	3

CTS2214	Mechanical Systems Project Management w/Microsoft Project	3
	Natural Sciences Core	3
	Humanities Core	3

Subtotal: 15**2nd Semester**

EET1141C	Analog Devices and Circuits and Lab	4
ETI1411	Survey of Manufacturing Processes	3
ETI1852C	Aerospace Composites and Materials Testing Program Elective	3
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3

Subtotal: 15

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 64

**APPLIED AI AND DATA ANALYTICS, A.S.
DEGREE****PROGRAM INFORMATION**

A.S. Degree - Code 223401 - Catalog 2025/2026
Anindya Paul, Department Chair, 386-506-4155,
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Luke Sui, Assistant Chair, 386-506-
4124, Luke.Sui@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154,
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**Program Mission, Description, and
Outcomes****Mission:**

The Applied AI & Data Analytics 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:

The Applied AI & Data Analytics program is designed to equip students with the foundational competencies in the rapidly evolving fields of artificial intelligence (AI) and data analytics. By blending the theoretical knowledge with practical application, this program prepares students to design, develop and maintain

databases, utilize AI driven tools for data extraction and analysis, and effectively present information through reports and visualizations.

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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*: \$6,143

Access Fee: \$67.20

Assessment Fee: \$34

Lab Fees: \$72

Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 Credits)

Required General Education course:
ENC1101 Introduction to Composition 3

Mathematics Core (3 Credits)

Recommended Math Pathway:
STA2023 Elementary Statistics 3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:
AST1002 Astronomy 3
BSC1005 Survey of Biological Sciences (For Non-Science Majors) 3
CHM1020 Chemistry in Society 3
EVR2001 Introduction to Environmental Science 3
PHY1020 Conceptual Physics 3

Humanities Core (3 Credits)

Recommended courses. 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

Social Sciences Core (3 Credits)

Recommended courses. Choose one:
AMH2010 United States History to 1877 3
AMH2020 United States History 1865 to Present 3
POS2041 American Federal Government 3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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
CAI2010	Introduction to AI and Machine Learning with Python Programming	3
COP1000	Principles of Computer Programming	3
COP2700	Introduction to Database Management	3
CIS2350	Principles of Information Assurance	3
COP2071	Querying Database	3
CTS2375	Essentials of Cloud Computing	3
CTS2353	Networking with Windows Server	3
COP2072	Reporting Services	3
CTS2450	Business Intelligence	3
CAP2741	Data Visualization	4
COP2949	Internship in Computer Programming	1-4

Subtotal: 36

COP2949: This course is a variable credit course (1-4 credits). The academic department has approved it for **2** credits in this program.

Program Elective (9 credits)

Choose Three Courses

CTS2321	Linux Fundamentals	3
CTS2370	Virtualization	3
	Infrastructure: Installation and Configuration	
COP2800	Computer Programming	3
	Java	
COP2360	C# Programming	3
CTS2308	Installing and Configuring Windows Workstation OS	3
CAI1320	AI Application & Prompt Engineering	3

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

ENC1101	Introduction to Composition	3

COP1000	Principles of Computer Programming	3
CET1600	Network Plus	3
	Program Elective	3

CET1600: Successful completers of this course 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
CTS2353	Networking with Windows Server	3
STA2023	Elementary Statistics	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

Summer Semester

Humanities Core	3

Year 2

1st Semester

COP2071	Querying Database	3
CAI2010	Introduction to AI and Machine Learning with Python Programming	3
CTS2375	Essentials of Cloud Computing	3
	Natural Sciences Core	3
	Program Elective	3

2nd Semester

COP2072	Reporting Services	3
	Program Elective	3
CTS2450	Business Intelligence	3
CAP2741	Data Visualization	4
COP2949	Internship in Computer Programming	1-4

COP2949: This course 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. 394) for requisite requirements.

Subtotal: 60

BROADCAST TV PRODUCTION, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 223300 - Catalog 2025/2026
 Bradley Moody, Chairperson, 386-506-4469, Bradley.Moody@daytonastate.edu
 Anita Bevins, Professor, 386-506-3936, Anita.Bevins@DaytonaState.edu
 James Helmer, Assistant Professor, 386-506-3629, James.Helmer@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 TV Production - Code 082400 (p. 157) (24 Semester Hours); Television Studio Production - Code 097900 (p. 184) (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 financial and state financial assistance by completing the FAFSA studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

- Live television series and episode producer
- Director
- Technical Director
- Associate Director
- Graphics creator
- Graphics operator
- Prompter operator
- Audio board operator
- Audio assistant
- Floor Director
- Studio camera operator
- Jib operator
- On-air talent
- Lighting technician
- On-air phone and text producer
- Field camera operator
- Videographer
- Video Editor
- Video Effects creator
- Live sports replay operator
- Live sports handheld and hard camera operator
- Live sports red hat/field manager
- Camera assistant/cable manager
- Camera shader

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communications Core (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:

MAC1105	College Algebra	3

Math Core: Students seeking to transfer to a bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

Humanities Core (3 credits)

Recommended courses. Choose one:

HUM2020	Introduction to Humanities	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

RTV1000	Fundamentals of Broadcast Production	4
RTV1251	Digital Video Editing	4
RTV1510	Studio Television Production	4
RTV1520	Broadcast Videography	4
RTV1613	Digital Video Effects	3
RTV1670	Television Directing	3
RTV2241	Producing for Television	3
RTV2534	Electronic Field Production	3
RTV2540	Workshop in Studio Production	3
RTV2541	Team Media Production	4
RTV2600	Acting for the Lens and Camera	3
RTV2290	Selected Topics in Remote Sports Production	3
RTV2940	Practicum for Television Broadcasting	4

Subtotal: 45

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

ENC1101	Introduction to Composition	3
RTV1251	Digital Video Editing	4
RTV1000	Fundamentals of Broadcast Production	4
RTV1520	Broadcast Videography	4

2nd Semester

RTV1613	Digital Video Effects	3
RTV2600	Acting for the Lens and Camera	3
RTV1510	Studio Television Production	4
RTV2241	Producing for Television	3

RTV1251 is only offered in the Fall semester.
RTV1613 and RTV2600 are only offered in the Spring semester

Summer Semester

MAC1105	College Algebra	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

Math Core: Students seeking to transfer to a bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

Year 2

1st Semester

RTV2541	Team Media Production	4
RTV1670	Television Directing	3
	Humanities Core	3
	Natural Sciences Core	3
RTV2290	Selected Topics in Remote Sports Production	3

2nd Semester

RTV2600	Acting for the Lens and Camera	3
RTV2940	Practicum for Television Broadcasting	4
	Natural Sciences Core	3
RTV2534	Electronic Field Production	3
RTV2540	Workshop in Studio Production	3

RTV2600 is only offered in Spring semester.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

BUSINESS ADMINISTRATION, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 205900 - Catalog 2025/2026
John Weiss, Assistant Chair, 386-506-3792,
John.Weiss@daytonastate.edu
School of Business Administration, 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 offers specialization areas in General Business, Management, Marketing, and Risk Management & Insurance. Students who have successfully completed the A.S. program with the Risk Management & Insurance specialization and/or completed the three (RMI) 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 licensing and background testing requirements 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. 159); Business Operations - Entrepreneurship - 091300 (p. 160). 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:

STA2023	Elementary Statistics	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

AST1002	Astronomy	3
BSC1005	Survey of Biological	3

	Sciences (For Non-Science Majors)	
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Science Core (3 Credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

ACG2021	Principles of Financial Accounting	3
BUL2241	Business Law I	3
GEB1011	Introduction to Business	3
GEB2430	Ethics and Social Responsibility	3
GEB2351	International Business	3
ECO2013	Principles of Macroeconomics	3
ISM2000	Business Information Processing	3
MAN2021	Principles of Management	3
MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3

Subtotal: 30

ISM2000: Will utilize the latest Microsoft Suite as designated by the course syllabus.

Program Elective: Accounting or Finance (3 credits)

Choose one course:

ACG2071	Principles of Managerial Accounting	3
APA1111	Office Accounting I	3
FIN1100	Personal Financial Planning	3
FIN2000	Principles of Finance	3

Specialization: General Business (12 credits)

Choose four courses:

MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing	3
MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
MNA2345	Supervision of Personnel	3
QMB1001	Business Math	3

Specialization: Management (12 credits)

Required specialization courses:

MKA2021	Building Selling Relationships	3
MNA2161	Customer Service Management	3
ECO2023	Principles of Microeconomics	3
QMB1001	Business Math	3

Specialization: Marketing (12 credits)

Required specialization courses:

MAR2101	Social Media Marketing	3
MAR2321	Advertising	3
MAR2720	Digital Marketing	3
MNA2161	Customer Service Management	3

Specialization: Risk Management & Insurance (12 credits)

Required specialization courses:

RM12001	Principles of Risk Management and Insurance	3
RM12110	Personal Insurance Planning	3
RM12212	Personal and Business	3

MKA2021	Property Insurance Building Selling Relationships	3

RM12001 (p. 503) is a pre-requisite for both RM12110 (p. 503) and RM12212 (p. 503).

Students that successfully complete the A.S. program with the Risk Management & Insurance specialization may qualify for an exam waiver for the 2-15 Health and Life, 4-40 Customer Representative, and the 20-44 Personal Lines licenses. For additional information on licensing, please review the State of Florida licensing and background testing requirements.

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

ENC1101	Introduction to Composition	3
GEB1011	Introduction to Business	3
ISM2000	Business Information Processing	3
	Accounting or Finance Elective	3
	Specialization Elective	3

ISM2000: Will utilize the latest Microsoft Suite as designated by the course syllabus.

2nd Semester

MAR2011	Principles of Global Marketing	3
SBM2000	Small Business Management	3
	Mathematics	3
	Specialization Elective	3
	Specialization Elective	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.

Summer Semester

	Natural Sciences Core	3
	Humanities Core	3

Year 2**1st Semester**

ACG2021	Principles of Financial Accounting	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
GEB2351	International Business	3

MAN2021 Principles of Management 3
 AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

2nd Semester

	Specialization Elective	3
ECO2013	Principles of Macroeconomics	3
BUL2241	Business Law I	3
GEB2430	Ethics and Social Responsibility	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

Notes

Upon completion of this degree, students are eligible to apply and receive both the 091300 Business Operations-Entrepreneurship (p. 160) and the 091600 Business Management (p. 159) certificates.

COMPUTER ENGINEERING TECHNOLOGY, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 201300 - Catalog 2025/2026
 Anindya Paul, Chair, 386-506-4155,
 Anindya.Paul@daytonastate.edu
 Tammy Fritz, Senior Staff Assistant, 386-506-4154,
 Tammy.Fritz@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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Lab Fees:	\$302.95 - \$321.95
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)

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
MAC1105	College Algebra	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Science Core (3 Credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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	Computer Hardware & Software	4
CET2949	Internship in Computer Engineering Technology	1-4
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
Choose One of the Following:		
COP2220	Computer Programming C	3

COP2360	C# Programming	3
COP2800	Computer Programming Java	3

Subtotal: 38

CET2949: This is a variable credit course (1-4). The academic department has approved it for a standard length of **1** credit in this program but it may be taken at another length based on Program Elective course choices. Contact the academic department for more details.

Program Specific Electives (15 credits)

Choose four courses:

CAP1801	Simulation Fundamentals	3
CTS2308	Installing and Configuring Windows Workstation OS	3
CET2660	Fundamentals of Cybersecurity Analysis	3
CET2850	Wireless and Mobile Security	3
CGS2100	Microcomputer Applications	3
CTS2353	Networking with Windows Server	3
CTS2358	Identity with Windows Server	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
STA2023	Elementary Statistics	3
MAC1140	Pre-Calculus Algebra	3
MAC1114	College Trigonometry	3
EGN2045	Engineering and Technology Calculus I	4
MAC2311C	Calculus I and Lab	4

Note: 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 (CET2949). Please see the chairperson if you have any questions.

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

	Mathematics Core	3
CET2154	Computer Hardware & Software	4
EET1607C	Electronics Assembly and	3

CET1112C	Cabling and Lab Digital Fundamentals and Lab	4

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 - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

Year 2**1st Semester**

EET1021C	Advanced Electrical Circuits and Lab	3
	Program Elective	3
	Natural Sciences Core	3
	Program Elective	3
COP2360	C# Programming	3
COP2800	OR Computer Programming Java	3

2nd Semester

CET2123C	Microcomputer and Basic Digital Communications and Lab	4
CET2949	Internship in Computer Engineering Technology	1-4
EET1141C	Analog Devices and Circuits and Lab	4
	Program Elective	3
	Program Elective	3
	Program Elective	3

CET2949: This course is a variable credit course (1-4). The academic department has approved it for a standard length of **1** credit in this program but it may be taken at another length based on Program Elective course choices. Contact the academic department for details.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 68

COMPUTER INFORMATION TECHNOLOGY, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 206700 - Catalog 2025/2026
Anindya Paul, Chair, 386-506-4155,
Anindya.Paul@daytonastate.edu
Luke Sui, Assistant Chair, 386-506-
4124, Luke.Sui@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154,
Tammy.Fritz@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+ 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. 173) 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 foundational knowledge of project management concepts in technology related projects.
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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Lab Fees:	\$107 - \$196
Textbook Estimate:	Consult college bookstore for approximate costs of textbooks.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 Credits)

Required General Education course:
ENC1101 Introduction to Composition 3

Mathematics Core (3 Credits)

Recommended Math Pathway:
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 (3 credits)

Recommended courses. Choose one:

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Social Sciences Core (3 Credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

Humanities Core (3 Credits)

Recommended courses. 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

CET2154	Computer Hardware & Software	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	Internship in Computer Programming	1-4
EGS1000	Professional Performance for Technicians	3
CTS2308	Installing and Configuring Windows Workstation OS	3
CTS2375	Essentials of Cloud Computing	3
CTS2353	Networking with Windows Server	3

Subtotal: 36

COP2949: This course is a variable credit course (1-4 credits). The academic department has approved it for a standard length of 2 credits in this program but it may be taken at another length based on Program Elective course choices. Contact the academic department for more details.

Program Specific Electives (9 credits)

Choose Three Courses

COP2071	Querying Database	3
CAI1320	AI Application & Prompt Engineering	3
CAP2741	Data Visualization	4
CIS2350	Principles of Information	3

COP2072	Assurance Reporting Services	3
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3
CTS2321	Linux Fundamentals	3
COP2360	C# Programming	3
COP2800	Computer Programming Java	3
CAI2010	Introduction to AI and Machine Learning with Python Programming	3
CEN2002	Software Design and Development I	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	Computer Hardware & Software	4
EGS1000	Professional Performance for Technicians	3

CET2154: Successful completers of this course are eligible to take the test to become a CompTia A+ Hardware Professional.

2nd Semester

CTS2375	Mathematics Core Essentials of Cloud Computing	3
	Natural Sciences Core	3
CET1600	Network Plus	3
CTS1851	Internet Web Foundations (HTML, CSS)	3

CET1600: Successful completers of this course 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
	Program Elective	3
CTS2308	Installing and Configuring Windows Workstation OS	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

CTS2308: Successful completers of this course are eligible to take the test to become a Microsoft Certified Professional.

2nd Semester

CTS2353	Networking with Windows Server	3
COP2949	Internship in Computer Programming	1-4
	Program Elective	3
	Program Elective	3

COP2949: This course is a variable credit course (1-4 credits). The academic department has approved it for a standard length of 2 credits in this program but it may be taken at another length based on Program Elective course choices. Contact the academic department for more details.

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 2025/2026
Anindya Paul, Chair, 386-506-4155, Anindya.Paul@daytonastate.edu
Luke Sui, Assistant Chair, 386-506-4124, Luke.Sui@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154, Tammy.Fritz@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 BSIT program: MAC1105 to satisfy Mathematics core; CTS2321, CET1112C and EET1011C as Electives.

AS Certificate That Leads To This Degree:

The Computer Programming - 093800 (p. 162) 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.

10. Use Development methodologies.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Lab Fees:	\$82 - \$171
Textbook Estimate:	Consult college bookstore for approximate costs of textbooks.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 Credits)

Recommended Math Pathway:		
MAC1105	College Algebra	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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	Computer Hardware & Software	4
CTS2375	Essentials of Cloud Computing	3
CET1600	Network Plus	3
COP1000	Principles of Computer Programming	3
COP2360	C# Programming	3
COP2800	Computer Programming Java	3
COP2072	Reporting Services	3
CAI2010	Introduction to AI and	3

	Machine Learning with Python Programming	
CTS1851	Internet Web Foundations (HTML, CSS)	3
COP2700	Introduction to Database Management	3
COP2949	Internship in Computer Programming	1-4
EGS1000	Professional Performance for Technicians	3
CEN2002	Software Design and Development I	3

Subtotal: 36

COP2949: This course is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this program.

Program Specific Electives (9 credits)

Choose Three Courses

CTS2321	Linux Fundamentals	3
CIS2350	Principles of Information Assurance	3
CTS2214	Project Management w/Microsoft Project	3
COP2220	Computer Programming C	3
CET2660	Fundamentals of Cybersecurity Analysis	3
CGS2820	Web Programming (JavaScript, Ajax, ASP.Net)	3
CAI1320	AI Application & Prompt Engineering	3
CAP2741	Data Visualization	4
CTS2450	Business Intelligence	3
COP2071	Querying Database	3
CGS2100	Microcomputer Applications	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	Computer Hardware & Software	4
EGS1000	Professional Performance for Technicians	3
COP1000	Principles of Computer Programming	3

CTS1851	Internet Web Foundations (HTML, CSS)	3
2nd Semester		
	Natural Sciences Core	3
	Mathematics Core	3
COP2700	Introduction to Database Management	3
CET1600	Network Plus	3
Summer Semester		
	Humanities Core	3

Year 2

1st Semester		
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
COP2800	Computer Programming Java	3
	Program Elective	3
CTS2375	Essentials of Cloud Computing	3
CAI2010	Introduction to AI and Machine Learning with Python Programming	3
2nd Semester		
COP2949	Internship in Computer Programming	1-4
	Program Elective	3
	Program Elective	3
CEN2002	Software Design and Development I	3
COP2072	Reporting Services	3
COP2949: This course 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. 394) for requisite requirements.

Subtotal: 60

CRIMINAL JUSTICE, A.S. DEGREE**PROGRAM INFORMATION**

A.S. Degree - Code 223800 - Catalog 2025/2026
Tonya Cherry, Senior Staff Assistant, 386-506-4202,
Tonya.Cherry@daytonastate.edu
Todd Tiehen, Assistant Chair, 386-506-4148,
todd.tiehen@daytonastate.edu

Evan Doyle, Director, 386-506-4201, evan.doyle@daytonastate.edu

Program Mission, Description, and Outcomes**Mission:**

The mission of the Criminal Justice Associate of Science Degree program is to equip students to pursue advanced study and meaningful rewarding careers in the various fields of criminal justice, while emphasizing student success and embracing excellence and diversity.

Description:

An Associate of Science Degree in Criminal Justice will prepare students for a career in the criminal justice field. Some of the career opportunities available within the criminal justice field including, Law Enforcement Officer (municipal, state, or federal levels); Probation or Parole Officer; Crime Scene Technician; Intelligence Analyst; Dispatcher; Court Clerk; Private Investigator; Corporate or Private Security; Park Ranger; and Criminology Professor.

While completing the program, students will become familiar with the roles and functions of law enforcement, the courts, the correctional system, and the juvenile justice system. Students will be exposed to diverse criminological theories of crime, criminal justice policy, and constitutional law. The program will also prepare students for promotional opportunities to supervisory positions or specialized units within their field.

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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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:
daytonastate.edu/scholarships/.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 Credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 Credits)

Recommended Math Pathway:

MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 Credits)

Recommended courses. 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.

Social Sciences Core (3 Credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

Program Specific Courses

CCJ1010	Introduction to Criminology	3
CCJ1020	Introduction to Criminal Justice	3
CCJ1080	Introduction to Criminal Forensic Studies	3
CCJ2647	Organized Crime	3
CCJ2650	Drugs, Alcohol and Crime	3
CCJ2930	Cybercrime	3
CJC1000	Introduction to Corrections	3
CJE1670	Crime Scene Investigation	3
CJE2304	Introduction to Police Supervision	3
CJJ2002	Juvenile Delinquency	3
CJL2072	Civil Rights and Liability in Criminal Justice	3
CJT2100	Criminal Investigation	3
PLA2880	Constitutional Law	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Subtotal: 45

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

ENC1101	Introduction to Composition	3
CCJ1010	Introduction to Criminology	3
CJC1000	Introduction to Corrections	3
CCJ1020	Introduction to Criminal Justice	3

2nd Semester

CJJ2002	Juvenile Delinquency	3
	Mathematics Core	3
CJE1670	Crime Scene Investigation	3
SYG2000	Introduction to Sociology	3

CCJ1080	Introduction to Criminal Forensic Studies	3

3rd Semester

	Natural Sciences Core	3
PSY1012	General Psychology	3
CJE2304	Introduction to Police Supervision	3

Year 2**1st Semester**

CCJ2647	Organized Crime	3
CCJ2650	Drugs, Alcohol and Crime	3
PLA2880	Constitutional Law	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

2nd Semester

CCJ2930	Cybercrime	3
	Humanities Core	3
CJL2072	Civil Rights and Liability in Criminal Justice	3
CJT2100	Criminal Investigation	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

CRIMINAL JUSTICE TECHNOLOGY BRIDGE (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 203900 - Catalog 2025/2026
 Tonya Cherry, Senior Staff Assistant, 386-506-4202, Tonya.Cherry@daytonastate.edu
 Todd Tiehen, Program Manager, 386-506-4148, todd.tiehen@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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 Credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 Credits)

Recommended Math Pathway:

MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 Credits)

Recommended courses. 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

Social Sciences Core (3 Credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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 Justice	3
CJC1000	Introduction to Corrections	3
CJJ2002	Juvenile Delinquency	3

Subtotal: 12**Program Electives (6 credits)**

Choose Two Courses

CCJ1080	Introduction to Criminal Forensic Studies	3
CCJ2647	Organized Crime	3
CCJ2650	Drugs, Alcohol and Crime	3
CCJ2930	Cybercrime	3
CJE1670	Crime Scene Investigation	3
CJE2304	Introduction to Police Supervision	3
CJT2100	Criminal Investigation	3
PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3

Specialization:

Advanced Standing Course

CJD2990	Criminal Justice Bridge Transition	27

CJD2990: This course will appear on a student's transcript when vocational credits have been articulated to college credit. Students cannot register for CJD2990.

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

ENC1101	Introduction to Composition	3
	Mathematics Core	3
CCJ1010	Introduction to Criminology	3
CJC1000	Introduction to Corrections	3

2nd Semester

	Humanities Core	3
	Program Elective	3
CCJ1020	Introduction to Criminal Justice	3

3rd Semester

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
	Program Elective	3
CJJ2002	Juvenile Delinquency	3
	Natural Sciences Core	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

CULINARY MANAGEMENT, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 222600 - Catalog 2025/2026
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. 165). 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at daytonastate.edu/finaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester.

Approximate Costs

Lab Fees:	\$150
Uniforms:	\$75
Professional Cutlery:	\$270

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Restaurant Cook, Chef, Food Service Manager, Baker. Work in the industry in restaurants, hotels, country clubs, resorts, industrial kitchens.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:

MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3

Humanities Core (3 credits)

Recommended courses. Choose one:

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

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civics Literacy Competency graduation requirement.

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
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

Subtotal: 45

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

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
MGF2130	Mathematical Thinking	3
FSS1063C	Baking and Lab	3
FSS2284C	Catering and Buffet	3

Management and Lab

Summer Semester

HFT1940C	Hospitality Practicum I (Basic) and Lab	3
HFT1941C	Hospitality Practicum II (Intermediate) and Lab	3

Year 2**1st Semester**

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	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
FSS1242C	International Cuisine and lab	3
HFT2942C	Hospitality Practicum III (Advanced) and Lab	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

CYBERSECURITY AND NETWORK SYSTEMS TECHNOLOGY, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 200200 - Catalog 2025/2026
 Anindya Paul, Chair, 386-506-4155,
 Anindya.Paul@daytonastate.edu
 Timothy Pintello, Assistant Chair, 386-506-4126,
 Timothy.Pintello@daytonastate.edu
 Tammy Fritz, Senior Staff Assistant, 386-506-4154,
 Tammy.Fritz@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 Cybersecurity and Network Systems Technology program provides students with the technical training 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 BSIT 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. 180) 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. Analyze a problem, and identify and define the network services and cybersecurity 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 and perform effectively in a workplace environment.
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 and penetration testing.
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 project management concepts in 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Recommended courses. Choose one:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
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 (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:		
AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

CTS2308	Installing and Configuring Windows Workstation OS	3
CET2154	Computer Hardware & Software	4
CTS2353	Networking with Windows Server	3
CTS2214	Project Management w/Microsoft Project	3
CET2660	Fundamentals of Cybersecurity Analysis	3
CTS2375	Essentials of Cloud Computing	3
COP1000	Principles of Computer Programming	3
CIS2949	Internship in Computer and Information Systems	1-4
CTS2321	Linux Fundamentals	3
CNT2404	Intrusion Detection and Response	3
CET1600	Network Plus	3
CIS2350	Principles of Information Assurance	3
EGS1000	Professional Performance for Technicians	3

Subtotal: 39

CIS2949 is a variable credit course (1-4). The academic department has approved it for 2 credits in this program.

Program Electives

Choose two courses:

CIS2121	Security Operations Management	3
CET2850	Wireless and Mobile Security	3
CTS2358	Identity with Windows Server	3
EET1607C	Electronics Assembly and Cabling and Lab	3
CTS2370	Virtualization Infrastructure: Installation and Configuration	3
COP2800	Computer Programming Java	3
CNT2402	Penetration Testing	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
EGS1000	Professional Performance for Technicians	3
CET2154	Computer Hardware & Software	4
COP1000	Principles of Computer Programming	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

2nd Semester

CET1600	Network Plus	3
CTS2321	Linux Fundamentals	3
CTS2308	Installing and Configuring Windows Workstation OS	3
	Humanities Core	3
	Mathematics Core	3

Summer Semester

Natural Sciences Core	3

Year 2**1st Semester**

	Program Elective	3
CTS2375	Essentials of Cloud Computing	3
CIS2350	Principles of Information Assurance	3
CNT2404	Intrusion Detection and Response	3
CTS2214	Project Management w/Microsoft Project	3

2nd Semester

CTS2353	Networking with Windows Server	3
	Program Elective	3
CET2660	Fundamentals of Cybersecurity Analysis	3
CIS2949	Internship in Computer and Information Systems	1-4

CIS2949: This course is a variable credit course (1-4). The academic department has approved it for 2 credits in this program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

DENTAL HYGIENE (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 203600 - Catalog 2025/2026
 Claire Peterson, Assistant Chair, 386-785-2068, Claire.Peterson@daytonastate.edu
 Melissa Brown-Mack, Advisor, 386-506-3052, Melissa.Brown-Mack@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 (SACSCOC)

to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$9,250
Access Fee:	\$112.64
Assessment Fee:	\$34
Lab Fees (including liability insurance):	\$1,313

Textbook Estimate:	\$1,500
Uniforms and Supplies:	\$345
Instrument Kits, Clinical Supplies, and Tooth Model:	\$3,500
American Dental Hygienists' Association Student Membership:	\$230
National Board Dental Hygiene Review Course:	\$450
National Board Dental Hygiene Examination:	\$600
Class Pin and Composite Picture:	\$70
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.

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Complete the Postsecondary Education Readiness Test (PERT) with a minimum 10th grade level for reading, language and mathematics. See an Academic Advisor to determine developmental course requirements.
 - Exemptions include:
 - Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma.
 - Active duty military applicants.
 - Those who have successfully completed college level English and/or Math.
- Complete and submit a physical examination by a licensed physician, including the following required immunizations and exam:
 - tetanus-diphtheria, measles, mumps, rubella and hepatitis B, and
 - a negative PPD test (or chest x-ray if indicated) for tuberculosis
- Possess 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.
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections 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.

- Earned a cumulative grade point average of 2.5 or better.
- Complete the following course with a grade of 'C' or better:
 - ENC1101 Introduction to Composition
 - MGF2130 Mathematical Thinking
 - BSC1085C Human Anatomy and Physiology I and Lab
 - BSC1086C Human Anatomy and Physiology II and Lab
 - CHM1025C Introduction to Chemistry and Lab
- Complete the Test of Essential Academic Skills (TEAS) with a minimum composite score of 65%.
 - Minimum scores must be met in one attempt; combining scores from multiple tests is not allowed.
 - May test a total of four times within a calendar year.
 - TEAS scores are good for three years from test date.
 - Only TEAS scores taken at DSC or a Florida public institution of higher education, or proctored online by ATI will be accepted.
- Submit a completed School of Dental Sciences application for continuing enrollment to the Academic Advisor in the College of Health and Public Services (February only).
- Complete at least eight observation hours with a dental hygienist in general or periodontal practice not employing you.

- Ensure dental assisting courses for transfer were from a program accredited by the Commission on Dental Accreditation, completed within two years, and evaluated by the program chair in order to receive transfer of credit for DES1100C Elements of Dental Materials and Lab.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Take Dental Hygiene courses in the sequence published in the sample program of study.
- Satisfy the Civic Literacy Competency requirement.

General Education (p. 53)

16 Credits

Communication Core (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:

MGF2130	Mathematical Thinking	3

Natural Sciences Core (4 credits)

Required course:

BSC1085C	Human Anatomy and Physiology I and Lab	4

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3

AMH2020	United States History 1865 to Present	3

POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

Humanities Core (3 credits)

Recommended courses. 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

Program Specific Courses

PSY1012	General Psychology	3
SYG2000	Introduction to Sociology	3
BSC1086C	Human Anatomy & Physiology II and Lab	4
CHM1025C	Introduction to Chemistry and Lab	4
HUN1201	Human Nutrition	3
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
MCB1010C	Microbiology and Lab	4

Subtotal: 72

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
MGF2130	Mathematical Thinking	3

Year 1**Summer Semester (Term B - Six Weeks)**

DEH1133	Orofacial Anatomy and Physiology	3

Fall 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

Spring 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)

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

Year 2**Fall 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

Spring 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. 394) for requisite requirements.

Subtotal: 88

DIAGNOSTIC MEDICAL SONOGRAPHY (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 224000 - Catalog 2025/2026
Dr. Leah Carroll, Assistant Chair, 386-506-3569,
Leah.Carroll@daytonastate.edu
Melissa Brown-Mack, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Diagnostic Medical Sonography Program promotes the ideals of the Daytona State College (DSC) Mission Statement of emphasizing student success, embracing excellence and diversity, as well as fostering innovation to enhance teaching and learning. Each student in the sonography 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 radiologic sciences, and ultrasound departments. Each program graduate will understand placing the patient as the center focus of healthcare professionalism, who collaborate their career paths through lifelong learning.

Description:

Diagnostic Medical Sonography is a medical profession that consists of utilizing ultrasound to visualize the body's soft tissues, which aids in diagnosis and treatment of patients. Diagnostic Medical Sonographers are employed in a variety of medical facilities and are an integral part of the diagnostic team. Sonographers work closely with physicians and surgeons before, during and after procedures to assess and diagnose medical conditions.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Outcomes:

Graduates of the program will be able to:

1. Integrate scientific principles which form the foundation of entry level sonography into clinical practice.
2. Differentiate the normal vs. abnormal states of anatomy and physiology observed and documented in the clinical ultrasound setting.
3. Describe his/her role and responsibilities to the patient, the physician or radiologist, and other members of the health care team using effective communication.
4. Perform examinations, under the supervision of the radiologist or physician consistent with evidenced-based sonography practice safely, effectively, and efficiently.
5. Analyze and evaluate medical sonography or radiology related literature in pursuit of lifelong learning. Possess knowledge and the understanding of continuing medical education, explore medical conference opportunities, and assist leadership in the sharing of evidence-based sonography knowledge, processes, and ethical radiologic procedures.
6. Value active participation in the American Diagnostic Medical Sonography, or American Registry of Radiologic Technologists, and Cardiovascular Credentialing International licensing certification boards. Possess knowledge and locating the various societies that represent the sonography profession, 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid

webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$7,883.26
Access Fee:	\$98.56
Assessment Fee:	\$34
Lab Fees:	\$781
Textbook Estimate:	\$1,400
Uniforms and Supplies:	\$230
Health Screening and Immunizations (depending on applicant's health care provider):	\$275
FDLE Background Check and Drug Screening:	\$180
Licensing Exam Fees:	\$250
Basic Life Support Certification:	\$50

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

Additional Admission Requirements

This is a Limited Access Program.

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Complete the Postsecondary Education Readiness Test (PERT) with a minimum 10th grade level for reading, language and mathematics. See an Academic Advisor to determine developmental course requirements.
- Exemptions include:
 - Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma.
 - Active duty military applicants.
 - Those who have successfully completed college level English and/or Math.
- Possess 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.
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and

Federal Bureau of Investigation (FBI)
background check and drug screen.

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections process after completing the required general education courses. Student selection for continuing enrollment is based on specific admission criteria and a points system.

- Earn a cumulative grade point average of 2.5 or better.
- Complete the following course with a grade of "C" or better:
 - SON1000 Introduction to Medical Sonography
 - ENC1101 Introduction to Composition
 - MAC1105 College Algebra
 - BSC1085C Human Anatomy and Physiology I and Lab
 - PHY1020 Conceptual Physics
- Complete the Test of Essential Academic Skills (TEAS) with a minimum composite score of 65%.
 - Minimum scores must be met in one attempt; combining scores from multiple tests is not allowed.
 - May test a total of four times within a calendar year.
 - TEAS scores are good for three years from test date.
 - Students will be required to take the TEAS exam at a DSC Assessment Center.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Adhere to the policy and procedures of the Diagnostic Medical Sonography program as outlined in the DMS student policy/rule book, as well as the college student handbook.

General Education (p. 53)

19 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Required Math Pathway:		
MAC1105	College Algebra	3

Natural Sciences Core (7 credits)

Required courses:		
BSC1085C	Human Anatomy and Physiology I and Lab	4
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:		
Choose One of the Following:		
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3
AMH2010, AMH2020; POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.		

Program Specific Courses

BSC1086C	Human Anatomy & Physiology II and Lab	4
SON1000	Introduction to Medical Sonography	3
SON1100C	Principles and Protocols of Imaging and Lab	4
SON1113	Cross Sectional Anatomy	3
SON1141	Small Parts Sonography	3
SON1210	Introduction to Sonographic Physics and Instrumentation	3
SON1804L	Clinical 1	2
SON1814L	Clinical 2	2

SON2061	Seminar	3
SON2111C	Abdominal Sonography 1 and Lab	4
SON2112C	Abdominal Sonography 2 and Lab	4
SON2121C	OB/GYN Sonography 1 and Lab	4
SON2122C	OB/GYN Sonography 2 and Lab	4
SON2171C	Vascular Sonography and Lab	4
SON2211	Medical Sonographic Physics	3
SON2824L	Clinical 3	4
SON2834L	Clinical 4	4
Subtotal: 58		

SAMPLE PROGRAM OF STUDY

Prerequisite Courses

BSC1085C	Human Anatomy and Physiology I and Lab	4
MAC1105	College Algebra	3
PHY1020	Conceptual Physics	3
ENC1101	Introduction to Composition	3
SON1000	Introduction to Medical Sonography	3

Year 1

1st Semester

BSC1086C	Human Anatomy & Physiology II and Lab	4
SON1210	Introduction to Sonographic Physics and Instrumentation	3
SON1100C	Principles and Protocols of Imaging and Lab	4

2nd Semester

SON1113	Cross Sectional Anatomy	3
SON2211	Medical Sonographic Physics	3
SON2111C	Abdominal Sonography 1 and Lab	4
SON2112C	Abdominal Sonography 2 and Lab	4

3rd Semester

SON2121C	OB/GYN Sonography 1 and Lab	4
SON2122C	OB/GYN Sonography 2 and Lab	4

SON1804L	Clinical 1	2

Year 2

4th Semester

SON2171C	Vascular Sonography and Lab	4
SON1814L	Clinical 2	2

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

5th Semester

SON1141	Small Parts Sonography	3
SON2824L	Clinical 3	4
	Social Sciences Core	3
	Humanities Core	3

6th Semester

SON2834L	Clinical 4	4
SON2061	Seminar	3
Subtotal: 77		

DIGITAL AND INTERACTIVE MEDIA PRODUCTION, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 223700 - Catalog 2025/2026

Bradley Moody, Chairperson, 386-506-4469,
Bradley.Moody@daytonastate.edu
Cathy Shone, 386-506-3581,
Cathy.Shone@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the program is to equip students with skills that prepare them for entry-level positions in media, multimedia, and interactive media editors, producers and related professions, embracing excellence and diversity.

Description:

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the media production industry, audience analysis and estimation, media literacy, interpersonal and business communications, employability skills, portfolio development, community and multicultural sensitivity and environmental issues. Throughout the program, students will build a portfolio highlighting multimedia skills. The program culminates in a final capstone project.

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. Fuse theoretical knowledge with the use of contemporary technologies to conceive, develop, produce, and present multi-media projects.
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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Lab Fees:	\$481-\$544 over the entire program
Laptop Estimate:	Price fluctuates with technology changes. Please contact the Assistant Chair
Minor Equipment and Other Supplies Estimate:	\$400 over the entire program
Textbook Estimate:	\$250 per semester

Additional Admission Requirements

- 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.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Content Creation & Branding

- Branded Content Specialist
- Digital Content Creator
- Social Media Coordinator
- Digital Marketing Specialist
- E-Learning Content Developer
- Podcast Producer

Design & Interactive Media

- Digital Designer
- Graphic Designer
- Multimedia Designer
- UX/UI Designer
- Interactive Media Developer

Video Production & Post-Production

- Video Editor
- Videographer
- Post Producer
- Live Streaming Producer
- Visuals Studio Assistant

Emerging Media & Specialized Roles

- Motion Graphics Designer
- 3D Artist for Media
- Virtual Reality (VR) Content Creator

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 Credits)

Recommended courses. Choose one:

ARH1000	Art Appreciation	3

Social Sciences Core (3 Credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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
DIG2500	Fundamentals of Interactive Media	3
PGY1800	Photography I: Media and Methods	4
ART1201C	Design I and Lab	3
GRA1543	Graphic Design Studio	3
DIG2251	Introduction to Sound	3
DIG2510	Business Practices for Creative Industries	3
DIG2151	Writing for Media	3
MUM2630C	Sound for Media	3
DIG2030	Fundamentals of Digital Video	3
GRA2134	Interactive Design	3
DIG2203	Intermediate Digital Video Production	4
DIG2974	Digital Media Capstone	4
DIG2940	Internship in Digital Media	3

Subtotal: 45**SAMPLE PROGRAM OF STUDY****Year 1****1st Semester**

DIG2000	Introduction to Digital Media	3
ENC1101	Introduction to Composition	3
DIG2500	Fundamentals of Interactive Media	3
PGY1800	Photography I: Media and Methods	4
ART1201C	Design I and Lab	3

2nd Semester

MUM2630C	Sound for Media	3
GRA1543	Graphic Design Studio	3
DIG2510	Business Practices for Creative Industries	3
DIG2251	Introduction to Sound	3

Summer Semester

Mathematics Core	3
Natural Sciences Core	3

Year 2**1st Semester**

DIG2151	Writing for Media	3
ARH1000	Art Appreciation	3
DIG2030	Fundamentals of Digital Video	3
GRA2134	Interactive Design	3

2nd Semester

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
DIG2203	Intermediate Digital Video Production	4
DIG2974	Digital Media Capstone	4
DIG2940	Internship in Digital Media	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

DRAFTING AND DESIGN TECHNOLOGY (CAD), A.S. DEGREE**PROGRAM INFORMATION**

A.S. Degree - Code 222001 - Catalog 2025/2026

Anindya Paul, Chair, 386-506-4155,
 Anindya.Paul@daytonastate.edu
 Deborah Kirkland, Assistant Chair, 386-506-4158,
 Deborah.Kirkland@daytonastate.edu
 Tammy Fritz, Senior Staff Assistant, 386-506-4154,
 Tammy.Fritz@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. 153) ; AutoCAD Foundations (Engineering) - 092800 (p. 154); Drafting and Design Technology - 092901 (p. 167). 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Additional Completion Requirements

- Earn a grade 'C' or better in all program specific and prerequisite courses.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
MAC1105	College Algebra	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3

PHY1020 Conceptual Physics 3

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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
BCT1040	Blueprint Reading	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 Internship in Engineering 1-4

Subtotal: 41

ETG2949: This course is a variable credit course (1-4). The academic department has approved it for 2 credits in this A.S. program.

Program Electives (6 credits)

Choose Two Courses

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
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
ETD2320C	Computer Aided Drafting I (AutoCAD) and Lab	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3

2nd Semester

	Mathematics Core	3
	Natural Sciences Core	3
	Program Elective	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2368C	SolidWorks II and Lab	3

Summer Semester

EGN1111C	Engineering Drawing and	3

ETD2540C	Lab Civil Drafting and Surveying (CAD) and Lab	3

Year 2**1st Semester**

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
	Humanities Core	3
BCT1040	Blueprint Reading	3
ETG2520	Statics and Strength of Materials	3
	Program Elective	3

2nd Semester

ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2465C	Tool Design and Lab	3
ETG2949	Internship in Engineering	1-4
IND2500	Professional Practices for the Design Industry	3

ETG2949: This course is a variable credit course (1-4). The academic department has approved it for 2 credits in this A.S. program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 62

EARLY CHILDHOOD EDUCATION, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 204400 - Catalog 2025/2026
Dr. Catherine Twyman, Assistant Chair, 386-506-3113, Catherine.Twyman@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: 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 Costs

Program Tuition and Fees*:	\$6,143
Access Fee:	\$76.80
Assessment Fee:	\$34
Lab Fees:	\$8
Textbook Estimate:	\$1,600
Professional Fees:	\$100

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

Additional Admission Requirements

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Possess 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.
- Complete the Postsecondary Education Readiness Test (PERT) with a minimum 10th grade level for reading, language and mathematics. See an Academic Advisor to determine developmental course requirements.
 - Exemptions include:
 - Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma
 - Active duty military applicants
 - Those who have successfully completed college level English and/or Math

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Adhere to the policies and procedures as outlined in the College Student handbook.
- Contact the program manager if interested in pursuing Child Development Associate (CDA) credential.
 - Students earning a Staff Credential/CDA from outside the college but within the State of Florida are exempt from the following classes:
 - CHD2320 Curriculum Planning for Early Childhood
 - EEC2401 Home, School, and Community

General Education (p. 53)

15 Credits

Communications Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:		
POS2041	American Federal Government	3
AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041, AMH2020, AMH2010: These courses satisfy the Civic Literacy Competency graduation requirement.		

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.

2nd Time Renewal - Take the following class:

EEC2527	Child Care Center Financial and Legal Issues	3

Program Specific Courses

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
	Social Sciences - Choose One	
SYG2000	Introduction to Sociology	3
DEP2004	Developmental Psychology	3
PSY1012	General Psychology	3

Subtotal: 45

CHD1220 meets the graduation requirements for the basic use of computers for this program.

Specialization:

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

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

ENC1101	Introduction to Composition	3
	Social Sciences Core	3
CHD2338	Math and Science for the Young Child	3
CHD1430	Observation, Recording and Assessment	3
EEC2401	Home, School and Community	3

2nd Semester

	Mathematics Core	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
CHD2334	Language Arts for the Young Child	3
CHD2335	Music and Motor Activities for the Young Child	3

3rd Semester

CHD1220	Child Growth and Development	3
EEX1600	Classroom Management (Early Childhood)	3

Year 2

1st Semester

	Natural Sciences Core	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. 394) for requisite requirements.

Subtotal: 60

ELECTRONICS ENGINEERING TECHNOLOGY, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 200300 - Catalog 2025/2026
Anindya Paul, Chair, 386-506-4155,
Anindya.Paul@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154, Tammy.Fritz@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 the FAFSA at studentaid.gov/h/apply-for-aid/afsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate 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.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

16 Credits

Communication Core (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Required Math Pathway:

MAC1105	College Algebra	3

Natural Sciences Core (4 Credits)

Required General Education course:

PHY1053C	General Physics I and Lab	4

Humanities Core (3 Credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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.

SPC2608	Oral Communications/Research/Presentation Skills	3
MAC1114	College Trigonometry	3
BOT1010	General Botany and Lab	4
C		
CET1112	Digital Fundamentals and Lab	4
C		
CET2123	Microcomputer and Basic Digital Communications and Lab	4
C		
CGS2100	Microcomputer Applications	3
COP1000	Principles of Computer Programming	3
EET1011	Introduction to Electrical Circuits and Lab	3
C		
EET1021	Advanced Electrical Circuits and Lab	3
C		
EET1141	Analog Devices and Circuits and Lab	4
C		
EET1607	Electronics Assembly and Cabling and Lab	3
C		
EET2142	Analog Circuits and Basic Analog Communications and Lab	4
C		
ETM2315	Hydraulic and Pneumatic Power and Control and Lab	3
C		

Subtotal: 47**Technical Electives (5 credits)**

Choose a total of 5 credit hours:

EET2949	Internship in Electronics	1-4
	Choose One of the Following:	
PHY1054C	General Physics II and Lab	4
EGS1000	Professional Performance for Technicians	3
CTS1851	Internet Web Foundations (HTML, CSS)	3
COP2220	Computer Programming C	3
COP2800	Computer Programming Java	3
COP2360	C# Programming	3

EET2949: This course is a variable credit course (1-4). The academic department has approved it for 2 credits or less in this program, depending on technical elective course selection.

PHY1054C: Students choosing the PHY1054C option may take EET2949 at 1 credit instead of 2 credits.

Program Specific Courses

ENC1102	Writing with Research	3

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

MAC1105	College Algebra	3
CGS2100	Microcomputer Applications	3
CET1112C	Digital Fundamentals and Lab	4
EET1011C	Introduction to Electrical Circuits and Lab	3
	Technical Elective	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
EET1607C	Electronics Assembly and Cabling and Lab	3

Summer Semester

	Humanities Core	3
COP1000	Principles of Computer Programming	3

Year 2**1st Semester**

BOT1010C	General Botany and Lab	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

EET2949	Internship in Electronics	1
		-
		4
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
SPC2608	Oral Communications/Research/Presentation Skills	3
CET2123C	Microcomputer and Basic Digital Communications and Lab	4
ETM2315	Hydraulic and Pneumatic Power and	3

C Control and Lab

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 68

EMERGENCY MEDICAL SERVICES (LIMITED ACCESS PROGRAM), A.S. DEGREE**PROGRAM INFORMATION**

A.S. Degree - Code 220800 - Catalog 2025/2026
 Teresa Campbell, Senior Staff Assistant, 386-506-4122, Teresa.Campbell@daytonastate.edu
 Ken Moorhouse, Assistant Chair, 386-506-4179, Ken.Moorhouse@daytonastate.edu
 Evan Doyle, Director, 386-506-4201, Evan.Doyle@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 (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials

such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

AS Certificates That Lead To This Degree:

The following AS Certificates are embedded within this degree: Paramedic - 095700 (p. 184); Emergency Medical Technician - 096000 (p. 287). 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Additional Admission Requirements

Enrollment in the Emergency Medical Services A.S. degree program does not guarantee admission into the Emergency Medical Technician and Paramedic programs. The Emergency Medical Services program 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 (p. 287) and 095700 Paramedic (p. 184) program guides for their application instructions.

- Submit an EMS application for admission to the Admissions Office or online: Apply Now.
- Attend the mandatory EMS Orientation.
- Provide satisfactory results of a Florida Department of Law Enforcement and FBI background check and drug screen.
- Complete and submit a physical examination by a licensed physician, including required immunizations.

Additional Completion Requirements

- Earn a grade 'C' or better in all program specific and prerequisite courses.

Careers

Paramedic/EMT graduates have been employed at the local public safety agencies, theme parks and local hospitals.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (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

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3
PSY1012	General Psychology	3

Social Sciences Core: Students who need to satisfy the Civic Literacy Competency graduation requirement must take AMH2010, AMH2020 or POS2041.

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
EMS2603C	Paramedic I and Lab	12
EMS2604C	Paramedic II and Lab	12
EMS2605C	Paramedic III and Lab	11
EMS2666	Paramedic Emergency Department Clinical	1

EMS2667	Paramedic Field and Specialty Clinical	2
EMS2659	Paramedic Internship	4

Subtotal: 54

Program Elective (3 credits)

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
HUN1201	Human Nutrition	3
HSC1000	Introduction to Health Care	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

2nd Semester

	Natural Sciences Core	3
	Mathematics Core	3
	Social Sciences Core	3
	Program Elective	3
	Humanities Core	3

Social Sciences Core: Students who need to satisfy the Civic Literacy Competency graduation requirement must take AMH2010, AMH2020 or POS2041.

3rd Semester

EMS2603C	Paramedic I and Lab	12
Student must obtain Florida Emergency Medical Technician certification prior to the completion of EMS2603C.		

Year 2**1st Semester**

EMS2604C	Paramedic II and Lab	12
EMS2666	Paramedic Emergency Department Clinical	1

2nd Semester

EMS2605C	Paramedic III and Lab	11
EMS2667	Paramedic Field and Specialty Clinical	2

3rd Semester

EMS2659	Paramedic Internship	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 72

ENGINEERING TECHNOLOGY, A.S. DEGREE**PROGRAM INFORMATION**

A.S. Degree - Code 223200 - Catalog 2025/2026
Anindya Paul, Department Chairperson, 386-506-4155, Anindya.Paul@daytonastate.edu
Tammy Fritz, Senior Staff Assistant, 386-506-4154, Tammy.Fritz@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. 149)

082300 - Engineering Technology Support Specialist (21 Semester Hours) (p. 168)

Digital Design and Modeling Specialization:

082100 - Computer-Aided Design and Drafting (24 Semester Hours) (p. 163)

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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate 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)

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

General Education (p. 53)

15 Credits

Communications Core (3 credits)

Required General Education course:	
ENC1101	Introduction to Composition 3

Mathematics Core (3 credits)

Recommended Math Pathway:	
MAC1105	College Algebra 3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

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

Subtotal: 18

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 and Lab	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	Internship 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.

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
BCT1040	Blueprint Reading	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

Subtotal: 27**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

Subtotal: 27**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 Choose One of the Following:	3
ETI2950C	Capstone Project	4
EET1141C	Analog Devices and Circuits and Lab	4
EET2949	Internship in Electronics	1-4

Subtotal: 27

EET2949 is a variable credit course (1-4 credits). The academic department has approved it for 3 credits in this specialization.

SAMPLE PROGRAM OF STUDY**Year 1**

Program Core and General Education

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

	Natural Sciences Core	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	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
Subtotal: 33		

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	Internship in Electronics	1-4

Subtotal: 27

EET2949: This course 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

BCT1040	Blueprint Reading	3
EGS1000	Professional Performance for Technicians	3
ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2390C	Introduction to Revit Architecture and Lab	3
ETG2520	Statics and Strength of Materials	3

2nd Semester

ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
ETD2357C	Inventor Solid Modeling and Lab	3
ETD2368C	SolidWorks II and Lab	3
ETD2465C	Tool Design and Lab	3

Subtotal: 27**Year 2**

Specialization: Additive Manufacturing

1st Semester

ETD2364C	SolidWorks Solid Modeling and Lab	3
ETD2371	Additive Manufacturing I Electronics/ Digital Design and Modeling Elective	3
	Electronics/ Digital Design and Modeling Elective	3
ETI2122	Product Testing and Quality Control	3

2nd Semester

ETD2368C	SolidWorks II and Lab	3
ETD2372	Additive Manufacturing II	3
ETD2465C	Tool Design and Lab	3
ETI1411	Survey of Manufacturing Processes	3

Subtotal: 27**Year 2**

Specialization: Mechatronics

1st Semester

CET1112C	Digital Fundamentals and Lab	4
EET1021C	Advanced Electrical Circuits and Lab	3
ETI1843C	Motors and Controls	3
ETM2315C	Hydraulic and Pneumatic Power and Control and Lab	3

2nd Semester

CET2123C	Microcomputer and Basic Digital Communications and Lab	4
ETS2540C	Fundamentals of Robotics and Automation	3
ETS2542C	Programmable Logic Controllers Choose One of the Following:	4
ETI2950C	Capstone Project	4
EET1141C	Analog Devices and Circuits and Lab	4
EET2949	Internship in Electronics	1-4

Subtotal: 27

EET2949: This course is a variable credit course (1-4 credits). The academic department has approved it for 3 credits in this specialization.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

ENVIRONMENTAL SCIENCE TECHNOLOGY, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 223000 - Catalog 2025/2026

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Dr. Karen Braley, Assistant Chair, 386-246-4821, Karen.Braley@daytonastate.edu
For general information, email: EnvironmentalScience@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 (EST) 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. The EST Water Specialization is a Florida Department of Environmental Protection (DEP) State certified program preparing students for careers in water and/or wastewater. Program graduates will have met the academic requirements for the Level "C" State Exam in Water and/or Wastewater Training Operator. Most of the courses in this program are in-person and hands-on.

Outcomes:

Graduates of the program will be able to:

1. Explain how human-environment interactions relate to environmental processes.
2. Evaluate interdisciplinary approaches to global issues.
3. Monitor local environmental conditions and report on findings.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Lab \$246.50-\$459.50 (refer to course descriptions
Fees: (p. 394)
in current college catalog)

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Complete the Faculty Peer Mentoring Experience for Marine and Environmental Science Programs (SLS1127) 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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communications Core (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Required Math Pathway:

MAC1105	College Algebra	3

Natural Sciences Core (3 credits)

Required course:

OCE1001	Introduction to Oceanography	3

Humanities Core (3 credits)

Recommended course:

HUM2020	Introduction to Humanities	3

Social Science Core (3 credits)

Recommended course:

POS2041	American Federal Government	3

POS2041: This course satisfies the Civic Literacy Competency graduation requirement.

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

CHM1025C	Introduction to Chemistry and Lab	4
PHY1032	Energy and its Environmental Effects	3
STA2023	Elementary Statistics	3
SLS1127	Faculty Peer Mentoring Experience for Marine and Environmental Science Programs	0
EVR2001	Introduction to Environmental Science	3

EVR2001L	Introduction to Environmental Science Lab	1
EVR2647	Environmental Site Assessment	3
EVR2861	Environmental Policy and Law	3
EVR2943	Environmental Internship	3
GIS2040C	Geographic Information Systems and Lab	3
SWS2000C	Introduction to Soil Science and Lab	4

Subtotal: 30

EVR2943 is repeatable for credit one time. Internship course is scheduled in the Summer and Spring semesters.

Water Specialization - 16 Credits

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
SWS2007	The World of Water	3
EVS2005C	Treatment of Water and Wastewater and Lab	3
EVS2026C	Chemistry and Biology of Natural Waters and Laboratory	4
EVR2630	Hazardous Material Risk Analysis	3

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 specialization

SAMPLE PROGRAM OF STUDY - WATER SPECIALIZATION**Year 1****1st Semester**

SLS1127	Faculty Peer Mentoring Experience for Marine and Environmental Science Programs	0
ENC1101	Introduction to	3

MAC1105	Composition	3
BSC1005	College Algebra	3
	Survey of Biological Sciences (For Non-Science Majors)	3
EVR2001	Introduction to Environmental Science	3
EVR2861	Environmental Policy and Law	3

2nd Semester

GIS2040C	Geographic Information Systems and Lab	3
STA2023	Elementary Statistics	3
CHM1025C	Introduction to Chemistry and Lab	4
	Humanities Core	3
EVR2001L	Introduction to Environmental Science Lab	1

Summer Semester

EVR2943	Environmental Internship	3
EVR2647	Environmental Site Assessment	3

EVR2943 is repeatable for credit one time. Students will take the course in the Summer semester of Year 1 and the Spring semester of Year 2.

Year 2**1st Semester**

PHY1032	Energy and its Environmental Effects	3
OCE1001	Introduction to Oceanography	3
SWS2007	The World of Water	3
SWS2000C	Introduction to Soil Science and Lab	4

2nd Semester

EVS2026C	Chemistry and Biology of Natural Waters and Laboratory	4
POS2041	American Federal Government	3
EVR2630	Hazardous Material Risk Analysis	3
EVR2943	Environmental Internship	3

POS2041 satisfies the Civic Literacy Competency graduation requirement.

EVR2943 is repeatable for credit one time. Students will take the course in the Summer semester of Year 1 and the Spring semester of Year 2.

Summer Semester

EVS2005C	Treatment of Water and Wastewater and Lab	3

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	0
ENC1101	Introduction to Composition	3
MAC1105	College Algebra	3
BSC1010C	General Biology I (For Science Majors) and Lab	4
EVR2001	Introduction to Environmental Science	3
EVR2861	Environmental Policy and Law	3

2nd Semester

GIS2040C	Geographic Information Systems and Lab	3
STA2023	Elementary Statistics	3
CHM1025C	Introduction to Chemistry and Lab	4
EVR2001L	Introduction to Environmental Science Lab	1

Summer Semester

EVR2943	Environmental Internship	3
BSC1011C	General Biology II (For Science Majors) and Lab	4

EVR2943 is repeatable for credit one time. Students will take the course in the Summer semesters of Year 1 and Year 2.

Year 2**1st Semester**

EVR2647	Environmental Site Assessment	3
OCE1001	Introduction to Oceanography	3
PCB2033C	Introduction to Ecology and Lab	4

SWS2000C	Introduction to Soil Science and Lab	4

2nd Semester

BOT2150	Native Plants of Central Florida	3

	Humanities Core	3

OCE1001L	Introduction to Oceanography Lab	1

PHY1032	Energy and its Environmental Effects	3

POS2041	American Federal Government	3

POS2041: This course satisfies the Civic Literacy Competency graduation requirement.

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 specialization.

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

Subtotal: 64

HOSPITALITY MANAGEMENT, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 201200 - Catalog 2025/2026

Costa Magoulas, Dean, 386-506-

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Lisa Allen, Program Advisor, 386-506-

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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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Lab Fees charged per Food Production Course for Food Costs:	\$150

Uniforms:	\$75

Professional Cutlery:	\$304

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Manager in Hotel/Lodging Industry, Resorts, Spas, Corporate, Country Clubs, Restaurants and Food Service Industry.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:

MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended course:

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3

Humanities (3 credits)

Recommended courses. 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

Social Sciences (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civics Literacy Competency graduation requirement.

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 Controls	3
HFT2500	Hospitality Marketing	3
HFT2750	Event Industry	3
HFT2780	Introduction to Gaming Operations	3

Subtotal: 45

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

ENC1101	Introduction to Composition	3
MGF2130	Mathematical Thinking	3
FOS1201	Sanitation and Safety	3
HFT1000	Introduction to Hospitality Industry	3

Students seeking to transfer to Bachelor's program are recommended to complete MAC1105 to satisfy their Mathematics core requirement.

2nd Semester		
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	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 - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

INTERIOR DESIGN TECHNOLOGY, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 207000 - Catalog 2025/2026
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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. 174). 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at daytonastate.edu/financialaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Lab Fees:	Refer to individual course descriptions
Other Costs:	Individual Art and Presentation Supplies - \$500

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
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 (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. Choose one:		
ARH1000	Art Appreciation	3

Social Sciences Core (3 credits)

Recommended courses. Choose one:		
AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal	3

Government

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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	Internship in Interior Design	1-3

Subtotal: 48

IND2949: This course is a variable credit course (1-3). The academic department has approved it for 3 credits in this A.S. program.

Program Electives (9 credits)

Choose Three Courses		
CGS2100	Microcomputer Applications	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

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

IND1233	Studio I-Fundamentals of Interiors	3
BCN1251C	Architectural Drawing I and Lab	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
IND2408	Specialized Software for Interior Design	3
	Program Elective	3

Summer Semester Term A - Six Weeks

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
	Program Elective	3
AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.		

Summer Semester Term B - Six Weeks

ARH1000	Art Appreciation	3
	Mathematics Core	3

Year 2**1st Semester**

IND2210	Interior Design Studio II	3
ETD2340C	Computer Aided Drafting II (AutoCAD) and Lab	3
HHD1361	Practical Interior	3

IND2220	Applications Commercial Interior Design	3
BCN2049	Sustainable Design & Construction Program Elective	3

2nd Semester

IND1432	Lighting for Interior Design	3
	Natural Sciences Core	3
IND1935	Building and Barrier Free Codes	3
IND2500	Professional Practices for the Design Industry	3
IND2949	Internship in Interior Design	1-3

IND2949: This course is a variable credit course. The academic department has approved it for 3 credits in this A.S. program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 75

MUSIC PRODUCTION TECHNOLOGY (AUDIO/RECORDING), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 220900 - Catalog 2025/2026

Bradley Moody, Chairperson, MCCMEA, 386-506-4469, Bradley.Moody@daytonastate.edu
Jake Niceley, Assistant Chairperson, 386-226-1914, James.Niceley@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. 152). 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Lab Fees:	See college catalog for lab fee requirements.
Textbook Estimate:	Consult college bookstore for approximate costs of textbooks.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Broadcast Technician
Recording Engineer
Audio and Video Technician
Instructional Coordinator
Producer and Director
Concert Technician
Digital Content Producer
Lighting Technician
Field Recordist
Live Sound Mix Engineer
Public Relations
Marketing
Event Coordinator
Booking and Promotion
Artist and Related Workers
Entertainers and Performers
Music Director and Composer
Amusement and Recreation

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Choose One Course		
MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Choose One Course		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	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)

Choose One Course		
AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

MUM1610	Survey of Recording Technology	3
MUM1622	Sound Reinforcement	3
MUM1634	The Digital Audio Workstation	3
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
MUS2360	Learning Basic Music Using the Computer	3
	Applied Music Elective	1
	Ensemble Electives	2

Subtotal: 40

Applied Music Elective - Applied music courses can be found in the MVB (p. 478), MVK (p. 479), MVP (p. 480), MVS (p. 480), MVV (p. 481), and MVW (p. 481) sections of the course catalog. Contact the Music Department for any questions.

Ensemble Electives - Students must enroll in an ensemble elective for 2 semesters for this program. Contact the Music Department for any questions.

Program Specific Electives (9 credits)

Choose Three Courses

MUC2301	Introduction to Electronic Music Production	3
MUC2601	Introduction to Songwriting	3
MUM2611	Live Recording Techniques	3
MUM2677	Sound Reinforcement II	3
MUM2716	Automated Show Control	3

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

MUM1610	Survey of Recording Technology	3
MUM1622	Sound Reinforcement	3
MUM1634	The Digital Audio Workstation	3
ENC1101	Introduction to Composition	3
	Mathematics Core	3

2nd Semester

MUM2600	Audio Engineering I	3
MUM2600L	Audio Engineering I Lab	2
MUM2603	Studio Maintenance	3
MUM2700	Survey of Music Business	3
	Natural Sciences Core	3
	Applied Music Elective	1
	Ensemble Elective	1

Applied Music Elective: Applied music courses can be found in the MVB (p. 478), MVK (p. 479), MVP (p. 480), MVS (p. 480), MVV (p. 481), and MVW (p. 481) sections of the course catalog. Contact the Music Department for any questions.

Ensemble Electives: Students must enroll in an ensemble elective for 2 semesters for this program. Contact the Music Department for any questions.

Summer Semester

Humanities Core	3

Year 2

1st Semester

MUM2601	Audio Engineering II	3
MUM2601L	Audio Engineering II Lab	2
MUM2609	Studio Production	3
MUS2360	Learning Basic Music	3

Using the Computer

Program Specific Elective 3

Ensemble Elective 1

Ensemble Electives - Students must enroll in an ensemble elective for 2 semesters of this program. Contact the Music Department for any questions.

2nd Semester

MUM2607	Soundtrack Development	3
MUM2640	Post Production Sound	3
	Program Specific Elective	3
	Program Specific Elective	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 64

NURSING (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 207100 - Catalog 2025/2026

Nursing Office, 386-506-3250

Dr. Krystal Evans, Assistant Chair, 386-789-7326,

Krystal.Evans@daytonastate.edu

Melissa Brown-Mack, Advisor, 386-506-3052,

Melissa.Brown-Mack@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Allen School of Nursing is to provide an innovative learning environment that promotes excellence in the professional role. Programs prepare students to exhibit professionalism, ethical behaviors, and competency in meeting the dynamic healthcare needs of individuals across the lifespan, and across healthcare 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 admit in January and August. When the associate nursing degree is completed and the graduate obtains licensure, the graduate is 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. (ACEN) 3390 Peachtree Road, NE, Suite 1400, 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 (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Program Outcomes:

Graduates of the program will be able to:

1. **Patient Centered Care:** The graduate of the associate degree nursing program will prioritize the patient or designee as the source of control and full partner in providing compassionate and coordinated care based on respect for patient's preferences, values, and needs.
2. **Teamwork and Collaboration:** The graduate of the associate degree nursing program will perform effectively within nursing and inter-professional teams, fostering open communication, mutual respect, and shared decision-making to achieve quality patient care.
3. **Evidence-Based Practice:** The graduate of the associate degree nursing program will integrate best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal health care.
4. **Quality Improvement:** The graduate of the associate degree nursing program will design quality measures for monitoring outcomes of patient-care processes in the health care system.
5. **Safety:** The graduate of the associate degree nursing program will minimize risk of harm to patients and providers through both system effectiveness and individual performance.

6. **Informatics:** The graduate of the associate degree nursing program will apply information and technology to communicate, manage knowledge, mitigate error, and support 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Nursing Laboratory and Technology Fees (including liability insurance):	Average \$400 per semester
Textbook Estimate:	\$900
Uniforms:	\$150
Laboratory Supplies:	\$225
NCLEX Exam:	\$435
Background Check/ Drug Screening/ Document Tracker:	\$145

Additional Admission Requirements

This is a limited access program.

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Complete and submit a physical examination by a licensed physician, including the following required immunizations and exam:
 - influenza, tetanus-diphtheria, measles, mumps, rubella, varicella, and hepatitis B, and
 - a negative PPD test (or chest x-ray if indicated) for tuberculosis
- Possess 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.
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.

- Meet eligibility requirements for the National Council Licensure Examination for Registered Nurses (NCLEX-RN) by having no criminal record, or if a convicted felon, by having your civil rights fully restored, as required by the Florida Board of Nursing.
- Ensure nursing courses for readmission or transfer were completed within one year and evaluated by the Nursing Readmission and Transfer Committee; note that transfer students are accepted on a limited basis based on space availability.

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections process after completing the required general education courses. Student selection for continuing enrollment is based on specific admission criteria and a points system.

- Earn a cumulative grade point average of 2.5 or better.
- Complete the following course with a grade of 'C' or better:
 - ENC1101 Introduction to Composition
 - MGF2130 Mathematical Thinking
 - PSY1012 General Psychology
 - BSC1085C Human Anatomy and Physiology I and Lab
- Complete the Test of Essential Academic Skills (TEAS) with a minimum composite score of 65%.
 - Minimum scores must be met in one attempt; combining scores from multiple tests is not allowed.
 - May test a total of four times within a calendar year.
 - TEAS scores are good for three years from test date.
 - Only TEAS scores taken at DSC or a Florida public institution of higher education, or proctored online by ATI will be accepted.
- Submit an application for continuing enrollment between May and September.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Take Nursing courses in the sequence published in the sample program of study.

- Satisfy the Civic Literacy Competency requirement.
- Satisfy the Humanities (6 credit) graduation requirement (p. 52) as established by Daytona State College for its Associate of Arts degree program, if progressing to the Bachelor of Science in Nursing program (BSN) program.
- Adhere to the policy and procedures of the Nursing program as outlined in the nursing student policy handbook, as well as those outlines in the Daytona State College Student Handbook.

For more information see: How to Apply to the ADN Program

General Education (p. 53)

26 Credits

Communication Core (6 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3

Mathematics Core (3 credits)

MGF2130	Mathematical Thinking	3

Natural Sciences Core (8 credits)

BSC1085C	Human Anatomy and Physiology I and Lab	4
BSC1086C	Human Anatomy & Physiology II and Lab	4

BSC1085C, BSC1086C: Students who choose these course options 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 (6 credits)		
PSY1012	General Psychology	3
Choose One of the Following:		
AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3
AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement. Students must pass the Florida Civic Literacy Examination (FCLE) prior to graduating.		

Additional Required Courses (4 credits)		
MCB1010C	Microbiology and Lab	4

Program Specific Courses		
MCB1010C	Microbiology and Lab	4
NUR1020C	Nursing Process I and Lab	10
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
	Mathematics Core	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
NUR1020C	Nursing Process I and Lab	10

3rd Semester		
ENC1102	Writing with Research	3
NUR1230C	Nursing Process III and Lab	7
NUR1423C	Nursing Process II and Lab	4

Lab

4th Semester		
NUR2731C	Nursing Process IV and Lab	10
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
5th Semester		
NUR2940C	Humanities Core	3
	Nursing Process V and Lab	11

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 72

NURSING (TRANSITION INTO PROFESSION) (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 227100 - Catalog 2025/2026
Nursing Office, 386-506-3250

Dr. Krystal Evans, Assistant Chair, 386-789-7326,
Krystal.Evans@daytonastate.edu

Melissa Brown-Mack, Advisor, 386-506-3052, Melissa.Brown-Mack@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Allen School of Nursing is to provide an innovative learning environment that promotes excellence in the professional role. Programs prepare students to exhibit professionalism, ethical behaviors, and competency in meeting the dynamic healthcare needs of individuals across the lifespan, and across healthcare 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 admit in January and August. When the associate nursing degree is completed and the graduate obtains licensure, the graduate is 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 (ACEN). 3390 Peachtree Road, NE, Suite 1400, 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 (SACSCOC) to award associate's and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Program Outcomes:

Graduates of the program will be able to:

1. **Patient Centered Care:** The graduate of the associate degree nursing program will prioritize the patient or designee as the source of control and full partner in providing compassionate and coordinated care based on respect for patient's preferences, values, and needs.
2. **Teamwork and Collaboration:** The graduate of the associate degree nursing program will perform effectively within nursing and inter-professional teams, fostering open communication, mutual respect, and shared decision-making to achieve quality patient care.
3. **Evidence-Based Practice:** The graduate of the associate degree nursing program will integrate best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal health care.
4. **Quality Improvement:** The graduate of the associate degree nursing program will design quality measures for monitoring outcomes of patient-care processes in the health care system.
5. **Safety:** The graduate of the associate degree nursing program will minimize risk of harm to patients and providers through both system effectiveness and individual performance.
6. **Informatics:** The graduate of the associate degree nursing program will apply information and

technology to communicate, manage knowledge, mitigate error, and support 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Nursing Lab Fees (including liability insurance):	Average \$300 per semester
Textbook Estimate:	\$900
Uniforms:	\$150
Laboratory Supplies:	\$181
NCLEX Exam:	\$435
Background Check/ Drug Screening/ Document Tracker:	\$145

Additional Admission Requirements

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Have successfully completed a LPN, Paramedic, or RRT program and have one year working experience within the last three years.
- Possess one of the following credentials to receive 10 credit hours of Advanced Standing:
 - Unencumbered LPN licensure (Florida or multi-state licensure)
 - Paramedic certification
 - Registered respiratory therapist
- Provide official documentation of being in good standing with the Board that regulates the profession. Additional documentation is needed for the following:
 - LPNs - current Florida license as a practical nurse
 - Paramedics and RRTs - Florida certification, as well as employment as a Certified Nursing

Assistant, completion of program of study, or current Florida Certified Nursing Assistant license.

- Complete the Test of Essential Academic Skills (TEAS ATIS) with minimum scores of an adjusted individual total score (AITS) at the 65th percentile or better.
 - Minimum scores must be met in one attempt; combining scores from multiple tests is not allowed.
 - May test a total of four times within a calendar year.
 - TEAS scores are good for three years from test date.
 - Only TEAS scores taken at DSC or a Florida public institution of higher education, or proctored online by ATI will be accepted.
- Complete and submit a physical examination by a licensed physician, including the following required immunizations and exam:
 - influenza, tetanus-diphtheria, measles, mumps, rubella, varicella, and hepatitis B, and
 - a negative PPD test (or chest x-ray if indicated) for tuberculosis
- Possess 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.
- Attend a medication skills laboratory and prove competency in critical skills.
 - LPNs are exempt
- Possess basic computer competency skills as some courses involve web-enhanced learning.
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
 - No exception given to students with a medical marijuana card.
- Meet eligibility requirements for the National Council Licensure Examination for Registered Nurses (NCLEX-RN) by having no criminal record, or if a convicted felon, by having your civil rights fully restored, as required by the Florida Board of Nursing.
- Ensure nursing courses for readmission or transfer were completed within one year and evaluated by the Nursing Readmission and

Transfer Committee; note that transfer students are accepted on a limited basis based on space availability.

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections process after completing the required general education courses. Student selection for continuing enrollment is based on specific admission criteria and a points system.

- Earn a cumulative grade point average of 2.5 or better.

•

Complete the following course with a grade of 'C' or better:

- ENC1101 Introduction to Composition
- MGF2130 Mathematical Thinking
- PSY1012 General Psychology
- BSC1085C Human Anatomy and Physiology I and Lab
- Submit an application for continuing enrollment between May and September.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Take Nursing courses in the sequence published in the sample program of study.
- Satisfy the Civic Literacy Competency requirement.
- Satisfy the Humanities (6 credit) graduation requirement (p. 52) as established by Daytona State College for its Associate of Arts degree program, if progressing to the Bachelor of Science in Nursing program (BSN) program.
- Adhere to the policy and procedures of the Nursing program as outlined in the nursing student policy handbook, as well as those outlines in the Daytona State College Student Handbook.

For more information see: How to Apply to the ADN Program

General Education (p. 53)

26 Credits

Communication Core (6 credits)

ENC1101	Introduction to Composition	3
ENC1102	Writing with Research	3

Mathematics Core (3 credits)

MGF2130	Mathematical Thinking	3

Natural Sciences Core (8 credits)

BSC1085C	Human Anatomy and Physiology I and Lab	4
BSC1086C	Human Anatomy & Physiology II and Lab	4

BSC1085C, BSC1086C: Students who choose these course options 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 (6 credits)

PSY1012	General Psychology	3
	Choose One of the Following:	
AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement. Students must pass the Florida Civic Literacy Examination (FCLE) prior to graduating.

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

NUR2990: This course is applicable to students who hold a 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
	Mathematics Core	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

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
NUR2731C	Nursing Process IV and Lab	10

4th Semester

	Humanities Core	3
NUR2940C	Nursing Process V and Lab	11

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 72

OCCUPATIONAL THERAPY ASSISTANT (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 221500 - Catalog 2025/2026
Sabrina Abbondanza, Assistant Chair, 386-506-3624, Sabrina.Abbondanza@daytonastate.edu
Melissa Brown-Mack, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@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 7501 Wisconsin Avenue, Suite 510E Bethesda, MD 20814. ACOTE's phone number is 301-652-6611 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 (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

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. Participate in clinical fieldwork and OT advocacy and awareness events

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$7,576.12
Access Fee:	\$94.72
Assessment Fee:	\$34
Lab Fees:	\$326.09
Textbook Estimate:	\$1,800
Health Screening and Immunizations (depending on applicant's health care provider):	\$275
FDLE Background Check and Drug Screening:	\$180
Licensing Exam Fees:	\$540

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

Additional Admission Requirements

This is a limited access program.

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Meet with the assistant chair for a pre-admission consultation.
-
- Complete the Postsecondary Education Readiness Test (PERT) with a minimum 10th grade level for reading, language and mathematics. See an Academic Advisor to determine developmental course requirements.

- Exemptions include:

- Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma
- Active duty military applicants
- Those who have successfully completed college level English and/or Math
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
- Possess Basic Life Support (BLS) certification for the Health Care Provider and Automatic External Defibrillator (AED) through the American Heart Association or the American Red Cross.
- Meet eligibility requirements for the National Board for Certification in Occupational Therapy (NBCOT) by having no criminal record, or if a convicted felon, by having your civil rights fully restored, as required by the Florida Board of Occupational Therapy Practice.
- Complete the following course with a grade of 'C' or better:
 - OTH1001 Introduction to Occupational Therapy
 - ENC1101 Introduction to Composition
 - PSY1012 General Psychology
 - BSC1085C Human Anatomy and Physiology I and Lab

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections process after completing the required general education courses. Student selection for continuing enrollment is based on specific admission criteria and a points system. Applications for continuing enrollment are accepted January 1st through April 30th. Selection is made once per year.

•

Earn a cumulative grade point average of 3.0 or better to be ranked higher for program consideration.

- Submit completed application for continuing enrollment to the School of Health Careers.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

- Complete Level II Fieldwork within 18 months following completion of academic course preparation.
- Adhere to the policy and procedures of the Occupational Therapy Assistant (OTA) program as outlined in the OTA student handbook, as well as those outlines in the Daytona State College Student Handbook.

General Education (p. 53)

16 Credits

Communication Core (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:

MGF2130	Mathematical Thinking	3

Natural Sciences Core (4 credits)

Required course:

BSC1085C	Human Anatomy and Physiology I and Lab	4

Humanities Core (3 credits)

Recommended courses. Choose one:

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)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
POS2041	American Federal Government	3
AMH2020	United States History 1865 to Present	3

POS2041, AMH2020, AMH2010: These courses satisfy the Civic Literacy Competency graduation requirement.

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

PSY1012	General Psychology	3
BSC1086C	Human Anatomy & Physiology II and Lab	4
OTH1001	Introduction to Occupational Therapy	3
OTH1003	Human Occupation Across the Lifespan	3
OTH1006	Documentation Through the Occupational Therapy Process	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 and Lab	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

Subtotal: 58

SAMPLE PROGRAM OF STUDY

Prerequisite Courses

ENC1101	Introduction to Composition	3

BSC1085C	Human Anatomy and Physiology I and Lab	4
OTH1001	Introduction to Occupational Therapy	3
PSY1012	General Psychology	3

Year 1**1st Semester**

	Mathematics Core	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	Documentation Through the Occupational Therapy Process	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 and Lab	4
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3

POS2041, AMH2020, AMH2010: These courses satisfy the Civic Literacy Competency graduation requirement.

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. 394) for requisite requirements.

Subtotal: 74

OPERATIONS MANAGEMENT TECHNOLOGY (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 222100 - Catalog 2025/2026
 Max Nagiel, Department Chair, 386-506-3829,
 Max.Nagiel@daytonastate.edu
 John Weiss, 386-506-3792,
 John.Weiss@daytonastate.edu
 School of Business Administration, 386-506-4227

Program Mission, Description, and Outcomes

Mission:

The mission of the Operations 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 Operations 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 consultation with the Chair or Assistant Chair of the School of Business is

required. Students may be required to 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 (p. 409) (Technical Training) at 24-27 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 Business Operations - Entrepreneurship - 091300 (p. 160).

AS Certificate That Leads to This Degree:

The following AS Certificate is embedded within this degree: Business Operations - Entrepreneurship - 091300 (p. 160). 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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Meet with the chair or assistant chair of the School of Business for a pre-admission consultation.
- Provide an official transcript from all previous institutions attended.
 - International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- Successfully complete an appropriate registered apprenticeship or certificate program of 750 contact hours with a GPA of 2.0 or better or an equivalent experience.
 - The Conversion of Credit (p. 97) process will be used to evaluate the certificate or registered apprenticeship program, including proof of program completion.
 - 750-950 contact hours will earn 24 college credit hours
 - 950 or more contact hours will earn 27 college credit hours
 - The Operations Management Technology's Technical Training Rubric will be used to evaluate other equivalent learning experiences supported with a documentation file.
 - Can earn 24-27 credit hours

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Team Leader
Shift Supervisor
Crew Manager

Project Manager
Foremen
Project Director

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication (3 credits)

Required General Education course:
ENC1101 Introduction to Composition 3

Mathematics (3 credits)

Recommended Math Pathway:
MGF2130 Mathematical Thinking 3
Students seeking to transfer into DSC's Bachelor's programs should take MAC1105 to satisfy the mathematics core and meet program pre-requisites.

Natural Sciences Core (3 credits)

Recommended courses. Choose one:
AST1002 Astronomy 3
BSC1005 Survey of Biological Sciences (For Non-Science Majors) 3
CHM1020 Chemistry in Society 3
EVR2001 Introduction to Environmental Science 3
PHY1020 Conceptual Physics 3

Humanities (3 credits)

Recommended courses. 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

Social Sciences (3 credits)

Recommended courses. Choose one:
AMH2010 United States History to 1877 3
AMH2020 United States History 3

1865 to Present
POS2041 American Federal Government 3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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	24
EGS1000	Professional Performance for Technicians	3
GEB1011	Introduction to Business	3
ISM2000	Business Information Processing	3
SBM2000	Small Business Management	3

Subtotal: 36

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 or Two Courses: (MAR2011 is highly recommended as one of your choices.)
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
MAR2011 Principles of Global Marketing 3
MAR2101 Social Media Marketing 3
MAR2321 Advertising 3
MAR2720 Digital Marketing 3
MKA2021 Building Selling Relationships 3
MNA2161 Customer Service Management 3
MNA2345 Supervision of Personnel 3

QMB1001 Business Math 3

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester and 2nd Semester

BCT2990 Technical Training 24

Year 2

1st Semester

ENC1101 Introduction to Composition 3

Mathematics Core 3

ISM2000 Business Information Processing 3

GEB1011 Introduction to Business Business Elective 3

Students seeking to transfer into DSC's Bachelor's programs should take MAC1105 to satisfy the mathematics core and meet program pre-requisites.

2nd Semester

Social Sciences Core - 3

Civic Literacy (AMH2010, AMH2020 or POS2041)

MAR2011 Principles of Global Marketing 3

SBM2000 Small Business Management 3

Accounting or Finance Elective 3

3rd Semester

EGS1000 Professional Performance for Technicians 3

Natural Sciences Core 3

Humanities Core 3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) 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 (p. 160).

OFFICE ADMINISTRATION (GENERAL OR LEGAL OPERATIONS), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 222900 - Catalog 2025/2026
Max Nagiel, Department Chair, 386-506-3829,
Max.Nagiel@daytonastate.edu
Nathan W. Kotas, J.D., Assistant Chair, 386-506-3511, Nathan.Kotas@daytonastate.edu
School of Business Administration, 386-506-4227

Program Mission, Description, and Outcomes

Mission:

To advance student professional success by delivering innovative office administration and legal operations education and opportunities.

Description:

Modern offices demand professionals with technology, communication, and organizational skills. The Office Program at Daytona State College gives you the opportunity to signal that you have successfully learned those valuable skills. Students interested in the legal field can specialize in Legal Operations. Graduates of the Office Program (General or Legal Operations) earn an Associate of Science in Office Administration degree.

The core curriculum emphasizes essential office skills, including communication, data management, software proficiency, and project coordination. The Legal Operations specialization includes American law and the American legal system, legal operations, law office management, and legal technology. All tools are integrated across the curriculum.

The Office Program includes two embedded certificates—Office Support and Office Management—you can earn while progressing toward the full degree. Graduates also have the option to continue their education with Daytona State's Bachelor of Applied Science in Supervision and Management.

Whether your goal is a career in general office administration or legal operations, the Office Program at Daytona State College provides the skills and knowledge you need to thrive.

AS Certificates That Lead to This Degree:

The following AS Certificates are embedded within this degree: Office Management - 091400 (p. 181); Office Support (Technical Certificate) - 092600 (p. 183). 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 clearly and effectively within an office setting.
2. Utilize office software to format documents, manage case data, and organize business information.
3. Exhibit professionalism, teamwork, and ethical decision-making in a professional office setting.
4. Organize office operations processes and procedures to promote effectiveness and efficiency.
5. Apply critical thinking and problem-solving skills to address challenges in office operations processes and procedures.
6. Analyze business data to support informed decision-making in legal operations.
7. Implement industry best practices to enhance efficiency, effectiveness, and ethical standards in an office setting.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:		
AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:		
AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

ISM2000	Business Information Processing	3
MNA2161	Customer Service	3

	Management	
OST1100	Document Formatting I	3
OST1110	Document Formatting II	3
OST1330	Business English	3
OST2336	Business Communications	3
OST2401	Office Procedures	3
OST2501	Office Management	3
APA1121	Office Accounting II	3
BUL2241	Business Law I	3
APA1711	Computerized Spreadsheet	3

Additional Required Course

SLS1122	Managing Your Success	3
SLS1122: This course is a graduation requirement for students in this A.S. degree.		

Specializations:

Office (9 credits)		
GEB1011	Introduction to Business	3
OST2713	Advanced Computer Software Applications	3
QMB1001	Business Math	3

Legal Operations (9 credits)		
PLA2763	Legal Technology	3
OST2431	Legal Operations	3
PLA1003	Introduction to Law	3

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 (p. 183), and the Office Management College credit certificate 091400 (p. 181).

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

ENC1101	Introduction to Composition	3
OST1100	Document Formatting I	3
OST1330	Business English	3
OST2401	Office Procedures	3
SLS1122	Managing Your Success	3

2nd Semester

ISM2000	Business Information Processing	3
MNA2161	Customer Service Management	3
OST2336	Business Communications	3

APA1121	Office Accounting II	3
OST2501	Office Management	3

Summer Semester

BUL2241	Business Law I	3

Year 2**1st Semester**

OST1110	Document Formatting II	3
APA1711	Computerized Spreadsheet	3
	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
MGF2130	Mathematical Thinking	3
	Natural Sciences Core	3

2nd Semester**Specialization: General Office**

	Humanities Core	3
GEB1011	Introduction to Business	3
OST2713	Advanced Computer Software Applications	3
QMB1001	Business Math	3

Specialization: Legal Operations

	Humanities Core	3
PLA2763	Legal Technology	3
OST2431	Legal Operations	3
PLA1003	Introduction to Law	3

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 (p. 183), and the Office Management College credit certificate 091400 (p. 181).

Subtotal: 60

PARALEGAL STUDIES, A.S. DEGREE**PROGRAM INFORMATION**

A.S. Degree - Code 206200 - Catalog 2025/2026
 Nathan W. Kotas, J.D., Assistant Chair, 386-506-3511, Nathan.Kotas@daytonastate.edu
 School of Business Administration, 386-506-3086

Program Mission, Description, and Outcomes**Mission:**

To advance student professional success by delivering innovative legal education and opportunities.

Description:

Daytona State College's Paralegal Program offers 100% online and livestream classes for everyone seeking to combine their legal education with flexibility and opportunity.

Program highlights include a Federal and Florida-focused curriculum that adapts to current trends such as the use of artificial intelligence in the legal profession. And a network of community partners who provide opportunities for real-world experience.

Graduates qualify for the NALA Certified Paralegal (CP) exam and meet eligibility requirements for the Florida Registered Paralegal (FRP) program.¹ Graduates are also eligible to enroll in the Bachelor of Applied Science in Supervision and Management program at Daytona State College.

Most Paralegal Studies, A.S. graduates can earn an A.A. degree by taking three (3) additional courses. Students who pursue this option must coordinate with academic advising to ensure that all A.A. requirements are satisfied including Foreign Language, Civic Literacy, Cultural/Global Focus, and any Common Prerequisites required for transfer to a bachelor's program. Ideal for everyone interested in a four-year degree or law school.

Daytona State College's Paralegal Program is an institutional member of the American Association for Paralegal Education (AAfPE) and an "Approved Paralegal Program" as defined by the Florida Bar.

You belong here. Enroll today.

Outcomes:

Graduates of the program will be able to:

1. Communicate effectively and professionally with lawyers, clients, witnesses, coworkers, court personnel, and other professionals.
2. Perform substantive legal work as a paralegal in all phases of litigation including case/document management, drafting, discovery, calendaring/scheduling, and trial preparation.
3. Perform substantive legal work as a paralegal in the areas of family law, estate planning & administration, and real property including reviewing, drafting, and editing transactional documents.
4. Integrate knowledge of substantive and procedural laws across multiple domains by identifying and analyzing legal issues.
5. Develop and execute legal research plans and write objective or persuasive legal documents based upon the results.
6. Apply and adapt law office management best-practices and optimize workflow using legal technology.
7. Explain and apply the NALA Code of Ethics and Professional Responsibility and other standards of legal ethics that govern the legal 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

General Education (p. 53)

18 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:		
MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
EVR2001	Introduction to Environmental Science	3
OCE1001	Introduction to Oceanography	3

Humanities Core (3 credits)

Recommended courses. Choose one:

ARH1000	Art Appreciation	3
HUM2020	Introduction to Humanities	3

Social Sciences Core (6 credits)

Recommended courses. Choose two:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3
PSY1012	General Psychology	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

LIT2110	Masterpieces of World Literature I	3
	OR	
LIT2120	Masterpieces of World Literature II	3
ENC1102	Writing with Research	3
SPC2608	Oral Communications/Research/Presentation Skills	3
BUL2241	Business Law I	3
BUL2242	Business Law II	3
PLA1003	Introduction to Law	3
PLA1104	Legal Research	3
PLA2610	Property Law	3
PLA2800	Family Law	3

PLA2114	Legal Writing	3
PLA2201	Civil Litigation	3
PLA2600	Estate Law	3
PLA2763	Legal Technology	3
PLA2930	Selected Topics in Legal Studies	1

Subtotal: 40**Program Electives (6 credits)**

Choose Two Courses

PLA2880	Constitutional Law	3
PLA2303	Criminal Law	3
PLA2872	Artificial Intelligence and the Law	3
PLA2460	Bankruptcy Law	3
PLA2949	Legal Internship	3

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

BUL2241	Business Law I	3
ENC1101	Introduction to Composition	3
PLA1003	Introduction to Law	3
MGF2130	Mathematical Thinking	3
	Social Sciences Core	3

2nd Semester

PLA1104	Legal Research	3
PLA2303	Criminal Law	3
ENC1102	Writing with Research	3
	Humanities Core	3
	Social Sciences Core	3

Summer Semester

BUL2242	Business Law II	3
	Natural Sciences Core	3

Year 2**1st Semester**

SPC2608	Oral Communications/Research/Presentation Skills	3
PLA2201	Civil Litigation	3
PLA2610	Property Law	3
PLA2114	Legal Writing	3

LIT2110	Masterpieces of World Literature I	3
	OR	
LIT2120	Masterpieces of World Literature II	3

2nd Semester

PLA2800	Family Law	3
PLA2600	Estate Law	3
PLA2763	Legal Technology	3
PLA2872	Artificial Intelligence and the Law	3
PLA2930	Selected Topics in Legal Studies	1

Subtotal: 64

Notes

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.

PHOTOGRAPHIC TECHNOLOGY, A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 207500 - Catalog 2025/2026
 Brad Moody, Chairperson, 386-506-4469,
 Bradley.Moody@daytonastate.edu
 Matt Kushan, Assistant Chair, 386-506-3542,
 Matt.Kushan@daytonastate.edu
 Cathy Madden, 386-506-3891,
 Cathy.Madden@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. 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 the FAFSA at studentaid.gov/h/apply-for-aid/afsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Additional Costs

Lab Fees:	\$552-\$615 over the entire program
Equipment: Estimated	\$500 per semester
Individual memory cards, external drives and other supplies:	\$150 per semester
Textbook Estimate:	\$150 per semester

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Architectural, Commercial, Advertising and Editorial
 Content Creator & Digital Marketer
 E-Commerce and Product
 Fashion Fine Arts
 Freelance Multi-media Producer
 Photo Editor
 Photo Educator
 Photojournalist
 Portraiture
 Professional Photographic Assistant
 Staff Photographer
 Social Media Manager
 Videographer

Weddings and Special Events Photographer

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education (p. 53)

15 Credits

Communication Core (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:

MGF2130	Mathematical Thinking	3

Natural Sciences Core (3 credits)

Recommended courses. Choose one:

AST1002	Astronomy	3
BSC1005	Survey of Biological Sciences (For Non-Science Majors)	3
CHM1020	Chemistry in Society	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Humanities Core (3 credits)

Recommended courses. Choose one:

HUM2020	Introduction to Humanities	3
PHI2010	Introduction of Philosophy	3

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

ARH2050	Survey of Art History I OR	3
ARH2051	Survey of Art History II	3
ART1201C	Design I and Lab	3
PGY1800	Photography I: Media and Methods	4
PGY1100	Analog Photography	3
PGY2650	Photography II: Concept and Narrative	3
PGY1201	Studio and Location Lighting	3
PGY1802	Digital Image Processing and Applications	3
PGY2000	Then and Now: Popular Themes in Photography	3
DIG2510	Business Practices for Creative Industries	3
PGY2806	Multidimensional Imaging and Expression	4
PGY2160	Camera Culture	3
PGY2207	Lens-Based Practices: Art and Commerce	4
DIG2030	Fundamentals of Digital Video	3
DIG2940	Internship in Digital Media	3
DIG2974	Digital Media Capstone	4

Subtotal: 49

PGY2949: This course is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this program.

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

ENC1101	Introduction to Composition	3
ARH2050	Survey of Art History I OR	3
ARH2051	Survey of Art History II	3
ART1201C	Design I and Lab	3
PGY1800	Photography I: Media and Methods	4
PGY1100	Analog Photography	3

2nd Semester

	Natural Sciences Core	3
PGY2650	Photography II: Concept and Narrative	3
PGY1201	Studio and Location Lighting	3
PGY2000	Then and Now: Popular Themes in Photography	3
PGY1802	Digital Image Processing and Applications	3

Summer Semester

	Humanities Core	3
PGY2949:	This course is a variable credit course (1-4 credits). The academic department has approved it for 2 credits in this program.	

Year 2**1st Semester**

MGF2130	Mathematical Thinking	3
PGY2806	Multidimensional Imaging and Expression	4
DIG2030	Fundamentals of Digital Video	3
DIG2510	Business Practices for Creative Industries	3
PGY2160	Camera Culture	3

2nd Semester

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
DIG2940	Internship in Digital Media	3
DIG2974	Digital Media Capstone	4
PGY2207	Lens-Based Practices: Art and Commerce	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 64

PHYSICAL THERAPIST ASSISTANT (LIMITED ACCESS PROGRAM), A.S. DEGREE

SAMPLE PROGRAM OF STUDY**Prerequisite Courses**

ENC1101	Introduction to Composition	3
	Mathematics Core	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

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	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
POS2041, AMH2020, AMH2010: These courses satisfy the Civic Literacy Competency graduation requirement.		

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. 394) for requisite requirements.

Subtotal: 74

RADIOGRAPHY (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 203701 - Catalog 2025/2026
Dee Vanlandingham, Assistant Chair,
Dee.Vanlandingham@daytonastate.edu
Melissa Brown-Mack, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@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:

Registered Technologists in Radiography RT(R) provide healthcare services by applying x-ray energy to assist in diagnosis and treatment. Radiographers perform radiologic procedures to produce images for interpretation by a physician (radiologist).

Professional judgment and critical thinking skills are exercised in the performance of services while maintaining a demeanor complementary to professional ethics. Radiographers provide appropriate multi-skilled patient care and are required to remain abreast of new technologies by participating in continuing education programs.

Program graduates are eligible for national certification/registration in radiography by the American Registry of Radiologic Technologists and appropriate state licensure. The academic structure of the program cannot accommodate part-time or transfer students.

Program Accreditation: This program is 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 (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the

Southern Association of Colleges and Schools
Commission on Colleges at 1866 Southern Lane,
Decatur, GA 30033-4097, by calling (404) 679-4500,
or by using information available on SACSCOC's
website (www.sacscoc.org).

Outcomes:

Graduates of the program will be able to:

1. Perform as entry-level radiographers in providing quality patient care.
2. Adapt procedures using critical thinking and problem solving skills to produce optimal images.
3. Demonstrate professional values and attributes to maintain a high standard of ethical conduct with patients, peers, employers and other members of the health care team.
4. Outline plan to continue their professional growth and development.

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 studentaid.gov/h/apply-for-aid/afsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$7,883.26
Access Fee:	\$98.56
Assessment Fee:	\$34
Lab Fees:	\$1,017
Textbook Estimate:	\$1,000
Uniforms and Supplies:	\$230
Health Screening and Immunizations (depending on applicant's health care provider):	\$275
FDLE Background Check and Drug Screening:	\$180
Licensing Exam Fees:	\$200
Basic Life Support Certification:	\$50

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

Additional Admission Requirements

This is a limited access program.

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Complete the Postsecondary Education Readiness Test (PERT) with a minimum 10th grade level for reading, language and mathematics. See an Academic Advisor to determine developmental course requirements.
 - Exemptions include:
 - Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma
 - Active duty military applicants
 - Those who have successfully completed college level English and/or Math
- Complete the Test of Essential Academic Skills (TEAS V) with a minimum composite score of 65%.
 - Students will be required to take the TEAS exam at a DSC Assessment Center.
- Be of good physical and mental health.
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen
 - There is no exception given to students with a medical marijuana card.
- Attend an informational session during the Spring semester scheduled through the program office.

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections process after completing the required general education courses. Student selection for continuing enrollment is based on specific admission criteria and a points system.

- Earn a cumulative grade point average of 2.0 or better.
- Ensure a higher ranking with the following:
 - Earn cumulative GPA of 3.0 or better
 - Successfully complete all prerequisites and corequisites by the application deadline
- Complete the following course with a grade of 'C' or better:

- ENC1101 Introduction to Composition
- MAC 1105 College Algebra
- BSC1085C Human Anatomy and Physiology I and Lab
- Submit an application for continuing enrollment. More information may be obtained at <https://www.daytonastate.edu/hchs/rad.html>.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Adhere to the policy and procedures of the Radiography program as outlined in the Radiography student handbook, as well as those outlines in the Daytona State College Student Handbook.

Careers

Radiologic Technologist

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

General Education Courses

General Education (p. 53)

16 Credits

Communication Core (3 credits)

Required General Education course:		
ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Required Math Pathway:		
MAC1105	College Algebra	3

Natural Sciences Core (4 credits)

Required course:		
BSC1085C	Human Anatomy and Physiology I and Lab	4

Humanities Core (3 credits)

Recommended courses. 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

Social Sciences Core (3 credits)

Recommended courses. Choose one:

POS2041	American Federal Government	3
AMH2020	United States History 1865 to Present	3
AMH2010	United States History to 1877	3

AMH2010, AMH2020, POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

PSY1012	General Psychology	3
RTE1000	Fundamentals of Radiologic Technology	1
RTE1001	Medical Terminology for Radiographers	1
RTE1111	Patient Care in Radiography	2
RTE1111L	Patient Care in Radiography Lab	1
RTE1418	Radiographic Exposures and Processing	2
RTE1457C	Radiographic Exposures II and Lab	2
RTE1503C	Radiographic Procedures I and Lab	5
RTE1513C	Radiographic Procedures II and Lab	5
RTE1523C	Radiographic Procedures III and Lab	5
RTE1804L	Radiographic Clinical Education I	1
RTE1814L	Radiographic Clinical Education II	2
RTE1824L	Radiographic Clinical Education III	3
RTE2385	Radiation Biology and Protection	2
RTE2563C	Selected Radiographic	5

RTE2573C	Special Procedures I Selected Radiographic Special Procedures II	4
RTE2613	Radiation Physics I	2
RTE2623	Radiation Physics II	2
RTE2782	Radiographic Pathology	2
RTE2834L	Radiographic Clinical Education IV	3
RTE2844L	Radiographic Clinical Education V	3
RTE2854L	Radiographic Clinical Education VI	3
RTE2061	Radiography Seminar	2
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 - Summer

RTE1000	Fundamentals of Radiologic Technology	1
RTE1111	Patient Care in Radiography	2
RTE1111L	Patient Care in Radiography Lab	1
RTE1804L	Radiographic Clinical Education I	1
RTE1503C	Radiographic Procedures I and Lab	5
RTE1001	Medical Terminology for Radiographers	1

RTE1111L is offered during Session A of the Summer term.

RTE1804L is offered during Session B of the Summer term.

2nd Semester - Fall

RTE1418	Radiographic Exposures and Processing	2
RTE1513C	Radiographic Procedures II and Lab	5
RTE1814L	Radiographic Clinical Education II	2
Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)		3

Subtotal: 3

POS2041, AMH2020, AMH2010: These courses satisfy the Civic Literacy Competency graduation requirement.

3rd Semester - Spring

RTE1523C	Radiographic Procedures III and Lab	5
RTE1824L	Radiographic Clinical Education III	3
RTE1457C	Radiographic Exposures II and Lab	2
	Humanities Core	3

Subtotal: 3**Year 2****4th Semester - Summer**

RTE2613	Radiation Physics I	2
RTE2834L	Radiographic Clinical Education IV	3
RTE2563C	Selected Radiographic Special Procedures I	5

5th Semester - Fall

RTE2623	Radiation Physics II	2
RTE2844L	Radiographic Clinical Education V	3
RTE2573C	Selected Radiographic Special Procedures II	4
PSY1012	General Psychology	3

6th Semester - Spring

RTE2385	Radiation Biology and Protection	2
RTE2782	Radiographic Pathology	2
RTE2854L	Radiographic Clinical Education VI	3
RTE2061	Radiography Seminar	2

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 77

RESPIRATORY CARE (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 221700 - Catalog 2025/2026
 Melanie McDonough, Assistant Chair, 386-506-3759, Melanie.McDonough@daytonastate.edu

Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@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 accelerated 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). Additionally, graduates are eligible for articulation into most BS Cardiopulmonary or Respiratory Care degree programs.

Program Accreditation: The Respiratory Care Program is accredited by the Committee on the Accreditation of Respiratory Care [CoARC], 264 Precision Blvd., Telford, TN 37690 USA [817] 283-2835. Outcomes data from the Annual Report of Current Status can be found at Programmatic Outcomes Data.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$7,780.88
Access Fee:	\$97.28
Assessment Fee:	\$34
Lab Fees:	\$834.20
Textbook Estimate:	\$1,718
Uniforms and Supplies:	\$230
Lab Equipment	\$150
Professional Memberships, Certifications, and Clinical Software	\$321
Health Screening and Immunizations (depending on applicant's health care provider):	\$275
FDLE Background Check and Drug Screening:	\$180

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

Additional Admission Requirements

This is a limited access program.

- Have a standard high school diploma or GED.
- Be at least 18 years of age
- Submit a brief statement explaining your interest in Respiratory Care along with application.
- Complete the Postsecondary Education Readiness Test (PERT) with a minimum 10th grade level for reading, language and mathematics. See an Academic Advisor to determine developmental course requirements.
- Exemptions include:
 - Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma
 - Active duty military applicants
 - Those who have successfully completed college level English and/or Math
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
- No exception given to students with a medical marijuana card.

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a

selections process after completing the required general education courses. Student selection for continuing enrollment is based on specific admission criteria and a points system. Applications for continuing enrollment are accepted anytime during the year and deadline for Fall admission is May 31.

- Earn a cumulative grade point average of 2.5 or better.
- Complete the following course with a grade of 'C' or better:
 - RET1021 Respiratory Care Introduction
 - ENC1101 Introduction to Composition
 - MAC 1105 College Algebra
 - BSC1085C Human Anatomy and Physiology I and Lab
- Satisfy a second Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen during the summer semester.
- Submit a completed application for continuing enrollment to the School of Health Careers.

Additional Completion Requirements

- Complete at least 25% of the degree requirement credits in residence at Daytona State College.
- Earn a grade "C" or better in all program specific and prerequisite courses.
- Adhere to the policy and procedures of the Respiratory Care program as outlined in the Respiratory Care student handbook, as well as those outlines in the Daytona State College Student Handbook.

General Education (p. 53)

27 Credits

General Education courses must be completed with a grade 'C' or better.

Communication Core (3 credits)

Required General Education course:
ENC1101 Introduction to Composition 3

Mathematics Core (3 credits)

Required Math Pathway:

MAC1105 College Algebra 3

Natural Sciences Core (4 credits)

Required course:
BSC1085C Human Anatomy and Physiology I and Lab 4

Humanities Core (3 credits)

Recommended courses. 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

Substitutions may be granted with approval of the program director.

Social Sciences Core (3 credits)

Recommended courses. Choose one:

AMH2010	United States History to 1877	3
AMH2020	United States History 1865 to Present	3
POS2041	American Federal Government	3

AMH2010, AMH2020; POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

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

BSC1086C	Human Anatomy & Physiology II and Lab	4
MCB1010C	Microbiology and Lab	4
PSY1012	General Psychology	3
RET1021	Respiratory Care Introduction	3
RET1025C	Principles of Respiratory Care and Lab	3
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 Practice I	4
RET1875	Clinical Practice II	3
RET2244	Life Support	3
RET2350	Cardiopulmonary Pharmacology	3
RET2714	Neonatal and Pediatric Respiratory Care	3
RET2876	Clinical Practice III	4
RET2934	Respiratory Care Seminar	3
Subtotal: 60		

SAMPLE PROGRAM OF STUDY

Prerequisite Courses

ENC1101	Introduction to Composition	3
BSC1085C	Human Anatomy and Physiology I and Lab	4
MAC1105	College Algebra	3
RET1021	Respiratory Care Introduction	3

Year 1

1st Semester

BSC1086C	Human Anatomy & Physiology II and Lab	4
RET1025C	Principles of Respiratory Care and Lab	3
RET1026C	Basic Equipment of Respiratory Care and Lab	3
RET1485	Cardiopulmonary Anatomy and Physiology	4
RET2350	Cardiopulmonary Pharmacology	3

2nd Semester

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
RET1264C	Advanced Equipment of Respiratory Care and Lab	3
RET1295	Chest Medicine	3
RET1874	Clinical Practice I	4
RET1265C	Mechanical Ventilation and Lab	4

AMH2010, AMH2020; POS2041: These courses satisfy the Civic Literacy Competency graduation requirement.

Summer Semester

RET1450	Basic Physiologic Monitoring	3
RET2244	Life Support	3
RET1875	Clinical Practice II	3
	Humanities Core	3

Year 2

1st Semester

RET2934	Respiratory Care Seminar	3
PSY1012	General Psychology	3
RET2714	Neonatal and Pediatric Respiratory Care	3
RET2876	Clinical Practice III	4
MCB1010C	Microbiology and Lab	4

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 76

SURGICAL TECHNOLOGY, (LIMITED ACCESS PROGRAM), A.S. DEGREE

PROGRAM INFORMATION

A.S. Degree - Code 223501 - Catalog 2025/2026
Dana Bancer, Assistant Chair, 386-506-3747, Dana.Bancer@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown@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 Assisting (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/STSA). Information may be obtained from CAAHEP, 9355-113th St. N., #7709, Seminole, FL 33775-7709; (727) 210-2350 and ARC-ST, 19751 E. Main Street, Suite 339, Parker, CO 80138; (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 the FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grant, loans, and work program available please see the Office of Financial Aid webpage at daytonastate.edu/financialaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$6,552
Access Fee:	\$81.92
Assessment Fee:	\$34
Lab Fees:	\$897
Textbook Estimate:	\$874
Uniforms and Supplies:	\$230
Professional Organization Membership	\$45
Health Screening and Immunizations (depending on applicant's health care provider):	\$275
FDLE Background Check and Drug Screening:	\$180
Licensing Exam Fees:	\$190
Basic Life Support Certification:	\$50

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

Additional Admission Requirements

This is a limited access program. Students will be admitted to the program as a cohort each fall semester.

- Attend a program information session and a program interview
- Complete the Postsecondary Education Readiness Test (PERT) with a minimum 10th grade level for reading, language and mathematics. See an Academic Advisor to determine developmental course requirements.
- Exemptions include:
 - Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma
 - Active duty military applicants
 - Those who have successfully completed college level English and/or Math
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
 - No exception given to students with a medical marijuana card.
- Possess 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.

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections process after completing the required general education courses. Student selection for continuing enrollment is based on specific admission criteria and a points system.

- Complete the following course with a grade of 'C' or better:
 - HSC1531 Medical Terminology
 - STS1302 Introduction to Surgical technology
 - MAC 1105 College Algebra
 - BSC1085C Human Anatomy and Physiology I and Lab
- Satisfy a second Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen in the third semester of the program.
- Submit a completed application for continuing enrollment to the School of Health Careers.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Adhere to the policy and procedures of the Surgical Technology program as outlined in the Surgical Technology student handbook, as well as those outlines in the Daytona State College Student Handbook.

General Education (p. 53)

20 Credits

Communication Core (3 credits)

Required General Education course:

ENC1101	Introduction to Composition	3

Mathematics Core (3 credits)

Recommended Math Pathway:

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 (4 credits)

Required course:

BSC1085C	Human Anatomy and Physiology I and Lab	4

Humanities Core (3 credits)

Recommended courses. 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

Social Science Core (3 credits)

Required course:

POS2041	American Federal Government	3

POS2041: This course satisfies the Civic Literacy Competency graduation requirement.

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

BSC1086C	Human Anatomy & Physiology II and Lab	4
HSC1531	Medical Terminology	4
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
STS2365	Professional Skills for the Surgical Technologist	2

STS2944	Surgical Clinical I	3
STS2945	Surgical Clinical II	3
STS2946	Surgical Clinical III	3
Subtotal: 48		

SAMPLE PROGRAM OF STUDY

Prerequisite Courses

BSC1085C	Human Anatomy and Physiology I and Lab	4
HSC1531	Medical Terminology	4
	Mathematics Core	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

POS2041	American Federal Government	3
STS1931	Surgical Technology Special Topics Seminar	2
STS2365	Professional Skills for the Surgical Technologist	2
STS2946	Surgical Clinical III	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 64

Advanced Technical Certificate

CONSTRUCTION AND DESIGN, ADVANCED TECHNICAL CERTIFICATE

PROGRAM INFORMATION

Advanced Technical Cert - Code 300400 - Catalog 2025/2026

Ali Mehrabian, Assistant Chair, Angela and D.S. Patel School of Engineering Technology, (386) 506-4195, Ali.Mehrabian@DaytonaState.edu

Nabeel Yousef, Chair, Angela & D.S. Patel School of Engineering, 386-506-4123, Nabeel.Yousef@daytonastate.edu

Donna Miller, Administrative Assistant, 386-506-4138, Donna.Miller@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 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: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Possess a conferred Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or Bachelor of Science (BS) from a regionally accredited institution of higher education
 - Or have earned sixty (60) credits of transferable college-level coursework from a regionally accredited institution
 - earned a grade of "C" or better in all core courses
 - meet all other requirements for admission
 - have chair approval
- Have an overall grade point average of 2.5.
- Successfully complete all prerequisite courses.

Careers

Job Titles for this certificate are construction manager, construction inspector, building inspector, construction design engineer.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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
ETC4241L	Construction Materials and Methods Lab	1
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. 331)

CYBERSECURITY AND CYBERFORENSICS, ADVANCED TECHNICAL CERTIFICATE

PROGRAM INFORMATION

Advanced Technical Cert - Code 300200 - Catalog 2025/2026

Patrick Vilkinofsky, Assistant Professor, 386-506-4183, Patrick.Vilkinofsky@daytonastate.edu
Donna Miller, Administrative Assistant, 386-506-4138, Donna.Miller@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.

Outcomes:

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 daytonastate.edu/financialaid. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Possess a conferred Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or Bachelor of Science (BS) from a regionally accredited institution of higher education
- Or have earned sixty (60) credits of transferable college-level coursework from a regionally accredited institution
 - earned a grade of "C" or better in all core courses
 - meet all other requirements for admission
 - have chair approval
- Have an overall grade point average of 2.5.
- Successfully complete all prerequisite courses.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview.

For questions, please email Career Services to connect with a 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. 322)

PROJECT MANAGEMENT, ADVANCED TECHNICAL CERTIFICATE

PROGRAM INFORMATION

Advanced Technical Cert - Code 300500 - Catalog 2025/2026

Grady Meeks, Associate Chair, 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 24 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 2019, 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 Green Belt(CSSC), Project Management Professional (PMI-PMP), and Certified Associate in Project Management (PMI-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 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: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Possess a conferred Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or Bachelor of Science (BS) from a regionally accredited institution of higher education
- Or have earned sixty (60) credits of transferable college-level coursework from a regionally accredited institution
 - earned a grade of "C" or better in all core courses
 - meet all other requirements for admission
 - have chair approval
- Have an overall grade point average of 2.5.
- Successfully complete all prerequisite courses.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

GEB4931	Selected Topics in Project 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
MAN4931	Capstone Project in Project Management	3

GEB4931: Topics rotate each term; check section notes for course topic information.

MAN4535: This course requires GEB4930 or GEB4931. Students in this program must complete GEB4931.

MAN4931: This capstone course is the final course in this program.

SAMPLE PROGRAM OF STUDY

1st Semester

Fall A

GEB4931	Selected Topics in Project Management	3
MAN4583	Applied Project Management	3

GEB4931: Topics rotate each term; check section notes for course topic information.

Fall B

MAN4535	Business Process Analysis	3
MAN4741	Agile Project Management	3

MAN4535: This course requires GEB4930 or GEB4931. Students in this program must complete GEB4931.

2nd Semester**Spring A**

MAN4584	Project Risk Management	3
MAN4520	Quality Management	3

Spring B

MAN3593	Scheduling and Logistics	3

Spring AB

MAN4931	Capstone Project in Project Management	3

MAN4931: This capstone course is the final course in this program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 24

WEB SYSTEMS SOFTWARE DEVELOPMENT, ADVANCED TECHNICAL CERTIFICATE

PROGRAM INFORMATION

Advanced Technical Cert - Code 300300 - Catalog 2025/2026

Nabeel Yousef, Chair, Angela & D.S. Patel School of Engineering, 386-506-4123,

Nabeel.Yousef@daytonastate.edu

Donna Miller, Administrative Assistant, 386-506-4138, Donna.Miller@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 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: daytonastate.edu/scholarships/index.html.

Additional Admission Requirements

- Possess a conferred Associate of Science (AS), an Associate of Applied Science (AAS), an Associate of Arts (AA) degree, or Bachelor of Science (BS) from a regionally accredited institution of higher education
- Or have earned sixty (60) credits of transferable college-level coursework from a regionally accredited institution
 - earned a grade of "C" or better in all core courses
 - meet all other requirements for admission
 - have chair approval
- Have an overall grade point average of 2.5.
- Successfully complete all prerequisite courses.

Careers

Careers Associated Job Titles for this certificate are software engineer, software developer, programmer, software architect, database manager, and database designer.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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. 322).

Applied Technology Diploma

EMERGENCY MEDICAL TECHNICIAN (LIMITED ACCESS PROGRAM), APPLIED TECHNICAL DIPLOMA

PROGRAM INFORMATION

Applied Tech. Diploma - Code 096000 - Catalog 2025/2026

Teresa Campbell, Senior Staff Assistant, 386-506-4122, Teresa.Campbell@daytonastate.edu

Ken Moorhouse, Assistant Chair, 386-506-4179, Ken.Moorhouse@daytonastate.edu

Evan Doyle, Director, 386-506-4201, Evan.Doyle@daytonastate.edu

Evan.Doyle@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 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: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,229
Access Fee:	\$13.92
Assessment Fee:	\$34
Lab Fees:	\$143.50 (including liability insurance)
Textbooks/Equipment:	\$175
Uniforms:	\$200
Criminal Background Check and Drug Screen:	\$117.25
State Application:	\$105
DSC Graduation Fee:	\$20

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

Additional Admission Requirements

- Have a standard high school diploma or GED.
- Be at least 18 years of age.

- Submit an application to the Admissions Office or online through <https://www.daytonastate.edu>.
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
- Pass a physical examination by a licensed physician, including immunizations.
- Attend the Emergency Medical Services (EMS) Orientation.

Additional Completion Requirements

- Wear the uniform when applicable.
- Adhere to the policy and procedures of the Emergency Medical Technician (EMT) program as outlined in the Emergency Medical Services (EMS) student policy/rule book, as well as the college student handbook.

Careers

EMT graduates have been employed at the local public safety agencies, theme parks and local hospitals.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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. 394) for requisite requirements.

Subtotal: 12

Apprenticeship

ELECTRICAL APPRENTICE - NON-UNION

PROGRAM INFORMATION

Apprenticeship - Code 107100 - Catalog 2025/2026
Joseph Wiggins, Adjunct Faculty / Training Director, 386-255-0742, Joseph.Wiggins@Daytonastate.edu
Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@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.

Applications to the program are accepted throughout the year. Candidates that are approved by the Committee and admitted to the College start their training in the Fall of each year.

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

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Complete an application to be an apprentice at The Electrical Training Alliance of Daytona Beach (Electrical Union Apprenticeship, JATC) office, 5889 S. Williamson Boulevard, Suite 1308, Port Orange, FL 32128.
- Selected as a first-year apprentices by the Mid-Florida Non-union Electrical Apprenticeship and Training Committee before beginning the program.
- Possess a valid driver's license.
- Produce a Social Security card.
- Able to physically perform duties of trade.
- Successfully pass the industry's validated aptitude test
- Submit a negative drug test prior to employment.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:

- Submit an application for the apprenticeship program to the Admissions Office once selected by the committee.
- Register 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, journeyman electrician

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student

Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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 (Non-Union)	679.8
BCA0343L	Electrical Apprentice 12 Lab-OJT (Non-Union)	639.9
TOTAL	LECTURE VOC. HRS.	26.40
TOTAL	LECTURE CONTACT HRS.	792.00
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.com.

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

ELECTRICAL APPRENTICE - UNION

PROGRAM INFORMATION

Apprenticeship - Code 107200 - Catalog 2025/2026
Robert Cruz, Adjunct Faculty / Training Director, 386-322-6236, Robert.Cruz@daytonastate.edu
Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

Insuring and providing students with superior training and education, creating and sustaining the most highly trained and highly skilled workforce.

Description:

The Daytona Beach Electrical Union Apprenticeship, JATC Program (The Electrical Training Alliance of Daytona Beach) is a state subsidized, four-year program. A journeyman of the electrical construction trade would be expected to be capable of planning and initiating projects. A graduate can become a manager, dispatcher, estimator, safety specialist, marketing manager, business manager, training director, instructor and many more! Apprentices receive extensive classroom and on-the-job training (OJT).

In most cases, a great deal of financial resources and energy are required to prepare for your career, but in a registered apprenticeship program, you are paid a progressively increased wage while you learn the occupation.

The curriculum provides knowledge and skills training in all aspects of electrical construction work in the residential, commercial, and industrial markets. Apprentices are required to work a total of 8,000 hours of OJT and 792 class hours for successful completion of the program. OJT is scheduled at various places of employment.

Applications to the program are accepted throughout the year. Candidates that are approved by the Committee and admitted to the College start their training in the Fall of each year.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate the ability to follow OSHA and the National Electrical Code.
2. Demonstrate the 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 plan and implement projects related to the field.

Financial Aid

This program is ineligible for federal and state financial aid.

Additional Admission Requirements

- Have a standard high school diploma or GED
- Be 18 years of age
- Possess a valid driver's license
- Complete an application to be an apprentice at The Electrical Training Alliance of Daytona Beach (Electrical Union Apprenticeship, JATC) office, 5889 S. Williamson Boulevard, Suite 1308, Port Orange, FL 32128.
- Selected as first-year apprentices by the Electrical Training Alliance of Daytona Beach Committee (Electrical Union Apprenticeship, JATC) 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.
- Able to physically perform duties of trade.

- Successfully pass the industry's validated aptitude test
- Successfully complete one credit of high school algebra.
- Submit a negative drug test prior to employment.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:

- Submit an application for the apprenticeship program to the Admissions Office once selected by the committee.
- Register 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 specialist, training director or instructor, construction, electronics, and journeyman electrician.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

BCA0330	Electrical Academy Union Apprentice 1	99
BCA0330L	Electrical Academy Union Apprentice 1 Lab-OJT	679.8
BCA0331	Electrical Academy Union Apprentice 2	99
BCA0331L	Electrical Academy Union Apprentice 2 Lab-OJT	679.8
BCA0332L	Electrical Academy Union Apprentice 3 Lab-OJT	639.9
BCA0333	Electrical Academy Union Apprentice 4	99
BCA0333L	Electrical Academy Union Apprentice 4 Lab-OJT	679.8
BCA0334	Electrical Academy Union Apprentice 5	99
BCA0334L	Electrical Academy Union Apprentice 5 Lab-OJT	679.8
BCA0335L	Electrical Academy Union Apprentice 6 Lab-OJT	639.9

BCA0336	Electrical Academy Union Apprentice 7	99
BCA0336L	Electrical Academy Union Apprentice 7 Lab-OJT	679.8
BCA0337	Electrical Academy Union Apprentice 8	99
BCA0337L	Electrical Academy Union Apprentice 8 Lab-OJT	679.8
BCA0338	Electrical Academy Union Apprentice 9	99
BCA0338L	Electrical Academy Union Apprentice 9 Lab-OJT	639.9
BCA0339	Electrical Academy Union Apprentice 10	99
BCA0339L	Electrical Academy Union Apprentice 10 Lab-OJT	679.8
BCA0390L	Electrical Academy Union Apprentice 11 Lab-OJT	679.8
BCA0391L	Electrical Academy Union Apprentice 12 Lab-OJT	639.9
TOTAL	LECTURE VOC. HRS.	33.00
TOTAL	LECTURE CONTACT HRS.	990.00
TOTAL	OJT VOC. HRS.	266.66
TOTAL	OJT CONTACT HRS.	8000.00

Notes

If you are interest in applying for this program, please contact:

Robert Cruz, Program Manager/Director
The Electrical Training Alliance of Daytona Beach
5889 S. Williamson Blvd. Suite 1308
Port Orange, FL 32128
Phone: (386) 322-6236
E-Mail: Robert.Cruz@daytonastate.edu
Website: www.etadb.org

PLUMBERS AND PIPEFITTERS APPRENTICE - UNION

PROGRAM INFORMATION

Apprenticeship - Code 107000 - Catalog 2025/2026

Brett Mirsky, Adjunct Faculty/ Business Manager,
386-252-7171 Brett.Mirsky@daytonastate.edu
Diane Mathers, Administrative Assistant, 386-506-
4165, Diane.Mathers@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, Pipefitter, 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 pipefitters field. Apprentices are required to work a total of 10,000 hours of OJT and classroom hours for successful completion of the 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 Costs

Program Tuition None
and Fees:

Other Cost: Contact Daytona Beach Plumbers and Pipefitters Union at 386-252-7429.

Additional Admission Requirements

- Accepted by the sponsor, the Daytona Beach Plumbers and Pipefitters Union #295 to be eligible for 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.
- Sit for an interview at Daytona Beach Plumbers and Pipefitters Union Hall, 743 N. Beach Street, Daytona Beach, FL 32114.
- Have a standard high school diploma or GED
- Be 18 years of age
- Possess a valid driver's license
- Able to physically perform duties of trade.
- Successfully pass the industry's validated aptitude test
- Successfully complete one credit of high school algebra.
- Submit a negative drug test prior to employment.

DAYTONA STATE COLLEGE ADMISSIONS REQUIREMENTS:

- Submit an application for the apprenticeship program to the Admissions Office once selected by the committee.
- Register for apprenticeship classes and on-the-job training through the appropriate apprenticeship committee.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

BCA0450L	Plumbing Apprentice 1 Lab - OJT	639.9
BCA0451	Plumbing Apprentice 2	123
BCA0451L	Plumbing Apprentice 2 Lab - OJT	679.8
BCA0452	Plumbing Apprentice 3	123
BCA0452L	Plumbing Apprentice 3 Lab - OJT	679.8
BCA0453L	Plumbing Apprentice 4 Lab - OJT	639.9
BCA0454	Plumbing Apprentice 5	123
BCA0454L	Plumbing Apprentice 5 Lab - OJT	680
BCA0455	Plumbing Apprentice 6	123
BCA0455L	Plumbing Apprentice 6 Lab - OJT	679.8
BCA0456L	Plumbing Apprentice 7 Lab - OJT	639.9
BCA0457	Plumbing Apprentice 8	123
BCA0457L	Plumbing Apprentice 8 Lab - OJT	679.8
BCA0458	Plumbing Apprentice 9	123
BCA0458L	Plumbing Apprentice 9 Lab - OJT	679.8

BCA0459L	Plumbing Apprentice 10 Lab	640
BCA0431	Plumbing Apprentice 11	123
BCA0431L	Plumbing Apprentice 11 Lab - OJT	680
BCA0432	Plumbing Apprentice 12	123
BCA0432L	Plumbing Apprentice 12 Lab - OJT	680
BCA0433L	Plumbing Apprentice 13 Lab - OJT	639.9
BCA0434	Plumbing Apprentice 14	123
BCA0434L	Plumbing Apprentice 14 Lab - OJT	679.8
BCA0435	Plumbing Apprentice 15	123
BCA0435L	Plumbing Apprentice 15 Lab - OJT	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 for this program, please contact:

Brett Mirsky, Program Manager/Training Director
 Plumbers & Pipefitters Local Union No. 295
 743 North Beach Street
 Daytona Beach, FL 32114
 Phone: (386) 252-7171

E-mail: Brett.Mirsky@daytonastate.edu

E-Mail: info295jate@ualocal295.com

Website: ualocal295.org

BAS Degree

SUPERVISION AND MANAGEMENT- HEALTHCARE MANAGEMENT CONCENTRATION, B.A.S. DEGREE

PROGRAM INFORMATION

BAS Degree - Code 600500 - Catalog 2025/2026
 Colin G. Chesley, Associate Vice President, 386-506-3193, Colin.Chesley@daytonastate.edu
 Teresa Cole, Administrative Assistant, 386-506-3189
Teresa.Cole@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. Students will complete an additional 60 credits of coursework for a total of 120. The program offers the following concentrations; Management, Project Management, Hospitality, Human Resource Management, Healthcare Management or Supply Chain Management.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Applied Science Application to the BAS degree program in the Admissions Office, the BAS program office, or online through <http://www.daytonastate.edu/>.
- Possess a conferred Associate of Arts or Science, or Associate of Applied Science, from a regionally accredited institution of higher education
 - Or sixty (60) credits of transferable college-level coursework from a regionally accredited institution,
 - including at least 15 credits of general education courses.
- Have a 2.0 or greater cumulative GPA on all college coursework.
- Successfully complete the following courses with a grade "C" or better:
 - ENC1101 Introduction to Composition
 - CGS2100 Microcomputer Applications or ISM2000 Business Information Processing

- ACG2021 Principles of Financial Accounting or MGF2130 Mathematical Thinking or STA2023 Elementary Statistics.
- Any General Education courses

• Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Management and supervisory careers

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

A.A./A.S., or Transferable Credits*	60.00
BAS Core Program of Study Credit	27.00
BAS Healthcare Management Concentration Credit	15.00
Focus Area/Gen. Ed**	18.00
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.

Important Admission and Graduation Requirement Note:

General Education Course Work

**The primary pathway for most BAS programs in the Florida College System is an A.S. degree. Typically, graduates of A.S. degree programs transfer 15-18 General Education Core credits that go toward satisfying the state's requirement of 36 credits of general education for bachelor's degrees. The remaining 18-21 general education credits necessary to meet the state requirement must be completed*

while enrolled in the BAS program.

***The program also requires the declaration of a focus area, which is distinct from the BAS concentration areas.*

-A.S. Degree Students: 18 credits from the A.S. program area are allocated to fulfill the focus area.
-All Other Students: For students that graduate from A.A. programs, or those admitted with 60+ college credits, the focus area of 18 credits may be tailored from courses completed as part of the A.A. program or other courses approved by the department chair. The focus areas can be quite diverse, (e.g. business, biology, social sciences, or project management, etc.) Student can also choose to take additional upper division courses for their focus area. Please see an advisor for further guidance on individual focus areas.

Program Specific Courses

Program Core - 27 credits		
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
ISM4011	Introduction to Management Information Systems	3
MAN4120	Leadership Challenges and Supervision	3
GEB4891	Strategic Management and Decision Making	3
MAN4504	Operational Decision Making	3

GEB3213 is the first course in the BAS program and is a prerequisite to every other course in the program, or a co-requisite to other first semester courses.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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.

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

Required Concentration Courses

Concentration Courses - 15 Credits		
HSA3101	U.S. Healthcare Systems	3
HSA4107	Health Services Administration	3
HSA4170	Healthcare Revenue Cycle	3

HSA4383	Management Quality Management and Process Improvement	3
HSA4947	Capstone Project in Healthcare Management	3

HSA4947: This capstone course is the final course in this program.

SAMPLE PROGRAM OF STUDY

1st Semester

GEB3213	Business Writing	3
BUL3130	Legal, Ethical, and Social Aspects of Business	3
HSA3101	U.S. Healthcare Systems	3
MAN3353	Management Theory and Practices	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

MAN3240	Organizational Behavior	3
ACG3024	Accounting for Non-Financial Majors	3
	General Education Core	3
HSA4107	HealthServices Administration	3

Subtotal: 12

3rd Semester

MAN4120	Leadership Challenges and Supervision	3
HSA4170	Healthcare Revenue Cycle Management	3
ISM4011	Introduction to Management Information Systems	3
	General Education Core	3

Subtotal: 12

MAN4120: This course requires senior level status.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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

	General Education Core	3
	General Education Core	3
GEB4891	Strategic Management and Decision Making	3

MAN4504	Operational Decision Making	3
HSA4383	Quality Management and Process Improvement	3

Subtotal: 15

GEB4891, MAN4504: These courses require senior level status.

5th Semester

	General Education Core	3
HSA4947	Capstone Project in Healthcare Management	3

Subtotal: 6

HSA4947: This capstone course is the final course in this program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

SUPERVISION AND MANAGEMENT-HOSPITALITY CONCENTRATION, B.A.S. DEGREE

PROGRAM INFORMATION

BAS Degree - Code 600100 - Catalog 2025/2026
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 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. Students will complete an additional 60 credits of coursework for a total of 120. The program offers the following concentrations; Management, Project Management, Hospitality, Human Resource Management, Healthcare Management or Supply Chain Management.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans, and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester.

Additional Admission Requirements

- Program specific and prerequisite courses must be completed with a grade 'C' or better.
 - Submit a Bachelor of Applied Science Application to the BAS degree program in the Admissions Office, the BAS program office, or online through <http://www.daytonastate.edu/>.
 - Posses a conferred Associate of Arts or Science, or Associate of Applied Science, from a regionally accredited institution of higher education
 - Or sixty (60) credits of transferable college-level coursework from a regionally accredited institution,
 - including at least 15 credits of general education courses.
 - Have a 2.0 or greater cumulative GPA on all college coursework.
 - Successfully complete the following courses with a grade "C" or better:
 - ENC1101 Introduction to Composition
 - CGS2100 Microcomputer Applications or ISM2000 Business Information Processing
 - ACG2021 Principles of Financial Accounting or MGF2130 Mathematical Thinking or STA2023 Elementary Statistics.
 - Any General Education courses
 - Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- ### Additional Completion Requirements
- Earn a grade "C" or better in all program specific and prerequisite courses.

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 2018 and 2028, 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 Job Growth 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 between 2018 and 2028. 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 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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

A.A./A.S., or Transferable Credits*	60.00
BAS Core Program of Study Credit	27.00
BAS Hospitality Concentration Credit	15.00
Focus Area/Gen. Ed**	18.00
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.

General Education Course Work

**The primary pathway for most BAS programs in the Florida College System is an A.S. degree. Typically, graduates of A.S. degree programs transfer 15-18 General Education Core credits that go toward satisfying the state's requirement of 36 credits of general education for bachelor's degrees. The remaining 18-21 general education credits necessary to meet the state requirement must be completed while enrolled in the BAS program.*

***The program also requires the declaration of a focus area, which is distinct from the BAS concentration areas.*

*-A.S. Degree Students: 18 credits from the A.S. program area are allocated to fulfill the focus area.
-All Other Students: For students that graduate from A.A. programs, or those admitted with 60+ college credits, the focus area of 18 credits may be tailored from courses completed as part of the A.A. program or other courses approved by the department chair. The focus areas can be quite diverse, (e.g. business, biology, social sciences, or project management, etc.) Student can also choose to take additional upper division courses for their focus area. Please see an advisor for further guidance on individual focus areas.*

Program Specific Courses

Program Core - 27 Credits		
GEB3213	Business Writing	3
BUL3130	Legal, Ethical, and Social Aspects of Business	3
ACG3024	Accounting for Non-Financial Majors	3
MAN3240	Organizational Behavior	3
MAN3353	Management Theory and Practices	3
ISM4011	Introduction to	3

	Management Information Systems	
MAN4120	Leadership Challenges and Supervision	3
GEB4891	Strategic Management and Decision Making	3
MAN4504	Operational Decision Making	3

GEB3213 is the first course in this 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. 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.

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

Required Concentration Courses

Concentration Courses - 15 Credits		
HFT3700	Tourism Management	3
HFT3373	Event Design, Production and Technology	3
HFT4064	Bar and Beverage Management	3
HFT4277	Club Management	3
HFT4809	Management of the Foodservice Industry	3

HFT3700: For the Hospitality Concentration, HFT3700 acts as the final course for the program.

SAMPLE PROGRAM OF STUDY

1st Semester		
GEB3213	Business Writing	3
HFT4809	Management of the Foodservice Industry	3
BUL3130	Legal, Ethical, and Social Aspects of Business	3
	General Education Core	3
Subtotal: 12		

GEB3213 is the first course in the BAS program and is a prerequisite to every other course in the program, or a corequisite 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
MAN3353	Management Theory and Practices	3
ISM4011	Introduction to Management Information Systems	3
HFT4277	Club Management	3

Subtotal: 12

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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	3
	General Education Core	3
	General Education Core	3

Subtotal: 12

MAN4120, GEB4891: These courses require senior-level status.

5th Semester

	General Education Core	3
MAN4504	Operational Decision Making	3
HFT3373	Event Design, Production and Technology	3
HFT3700	Tourism Management	3

Subtotal: 12

MAN4504: This course requires senior-level status.

HFT3700: For the Hospitality Concentration, HFT3700 acts as the final course for the program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

SUPERVISION AND MANAGEMENT-HUMAN RESOURCE MANAGEMENT CONCENTRATION, B.A.S. DEGREE

PROGRAM INFORMATION

BAS Degree - Code 600300 - Catalog 2025/2026
 Grady L. Meeks Jr., Assistant Chair, 386-305-3856,
Grady.Meeks@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. Students will complete an additional 60 credits of coursework for a total of 120. The program offers the following concentrations; Management, Project Management, Hospitality, Human Resource Management, Healthcare Management or Supply Chain Management.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans, and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Applied Science Application to the BAS degree program in the Admissions Office, the BAS program office, or online through <http://www.daytonastate.edu/>.
- Posses a conferred Associate of Arts or Science, or Associate of Applied Science, from a regionally accredited institution of higher education
 - Or sixty (60) credits of transferable college-level coursework from a regionally accredited institution,
 - including at least 15 credits of general education courses.
- Have a 2.0 or greater cumulative GPA on all college coursework.
-

Successfully complete the following courses with a grade "C" or better:

- ENC1101 Introduction to Composition
- CGS2100 Microcomputer Applications or ISM2000 Business Information Processing
- ACG2021 Principles of Financial Accounting or MGF2130 Mathematical Thinking or STA2023 Elementary Statistics.
- Any General Education courses

• Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Management and supervisory careers

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

A.A./A.S., or Transferable Credits*	60.00
BAS Core Program of Study Credit	27.00
BAS HR Management Concentration Credit	15.00
Focus Area/Gen. Ed**	18.00
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.

Important Admission and Graduation Requirement Note:

General Education Course Work

**The primary pathway for most BAS programs in the Florida College System is an A.S. degree. Typically,*

graduates of A.S. degree programs transfer 15-18 General Education Core credits that go toward satisfying the state's requirement of 36 credits of general education for bachelor's degrees. The remaining 18-21 general education credits necessary to meet the state requirement must be completed while enrolled in the BAS program.

***The program also requires the declaration of a focus area, which is distinct from the BAS concentration areas.*

-A.S. Degree Students: 18 credits from the A.S. program area are allocated to fulfill the focus area.

-All Other Students: For students that graduate from A.A. programs, or those admitted with 60+ college credits, the focus area of 18 credits may be tailored from courses completed as part of the A.A. program or other courses approved by the department chair. The focus areas can be quite diverse, (e.g. business, biology, social sciences, or project management, etc.) Student can also choose to take additional upper division courses for their focus area. Please see an advisor for further guidance on individual focus areas.

Program Specific Courses

Program Core - 27 credits		
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
ISM4011	Introduction to Management Information Systems	3
MAN4120	Leadership Challenges and Supervision	3
GEB4891	Strategic Management and Decision Making	3
MAN4504	Operational Decision Making	3

GEB3213 is the first course in the BAS program and is a prerequisite to every other course in the program, or a co-requisite to other first semester courses.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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.

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

Required Concentration Courses

Concentration Courses - 15 Credits

MAN4402	Employment Law	3
MAN4320	Recruitment and Selection	3
MAN3350	Training and Development	3
MAN4330	Compensation and Benefits	3
MAN4901	Capstone Project in Human Resource Management	3

MAN4901: This capstone course is the final course in this program.

SAMPLE PROGRAM OF STUDY**1st Semester**

GEB3213	Business Writing	3
BUL3130	Legal, Ethical, and Social Aspects of Business	3
MAN4402	Employment Law	3
MAN3353	Management Theory and Practices	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

MAN3240	Organizational Behavior	3
ACG3024	Accounting for Non-Financial Majors	3
	General Education Core	3
MAN4320	Recruitment and Selection	3

Subtotal: 12**3rd Semester**

MAN4120	Leadership Challenges and Supervision	3
MAN3350	Training and Development	3
ISM4011	Introduction to Management Information Systems	3
	General Education Core	3

Subtotal: 12

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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.

MAN4120: This course requires senior-level status.

4th Semester

	General Education Core	3
	General Education Core	3
GEB4891	Strategic Management and Decision Making	3

MAN4504	Operational Decision Making	3
MAN4330	Compensation and Benefits	3

Subtotal: 15

GEB4891 and MAN4504: These courses require senior-level status.

5th Semester

	General Education Core	3
MAN4901	Capstone Project in Human Resource Management	3

Subtotal: 6

MAN4901: This capstone course is the final course in this program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

SUPERVISION AND MANAGEMENT-MANAGEMENT CONCENTRATION, B.A.S. DEGREE

PROGRAM INFORMATION

BAS Degree - Code 600000 - Catalog 2025/2026
 Grady L. Meeks Jr., Assistant Chair, 386-305-3856,
Grady.Meeks@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. Students will complete an additional 60 credits of coursework for a total of 120. The program offers the following concentrations; Management, Project Management, Hospitality, Human Resource Management, Healthcare Management or Supply Chain Management.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans, and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Applied Science Application to the BAS degree program in the Admissions Office, the BAS program office, or online through <http://www.daytonastate.edu/>.
- Posses a conferred Associate of Arts or Science, or Associate of Applied Science, from a regionally accredited institution of higher education
 - Or sixty (60) credits of transferable college-level coursework from a regionally accredited institution,
 - including at least 15 credits of general education courses.
- Have a 2.0 or greater cumulative GPA on all college coursework.
- Successfully complete the following courses with a grade "C" or better:
 - ENC1101 Introduction to Composition
 - CGS2100 Microcomputer Applications or ISM2000 Business Information Processing
 - ACG2021 Principles of Financial Accounting or MGF2130 Mathematical Thinking or STA2023 Elementary Statistics.
 - Any General Education courses
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Management and supervisory careers

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

A.A./A.S., or Transferable Credits*	60.00
BAS Core Program of Study Credit	27.00
BAS Management Concentration Credit	15.00
Focus Area/Gen. Ed**	18.00
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.

Important Admission and Graduation Requirement Note:

General Education Course Work

**The primary pathway for most BAS programs in the Florida College System is an A.S. degree. Typically, graduates of A.S. degree programs transfer 15-18 General Education Core credits that go toward satisfying the state's requirement of 36 credits of general education for bachelor's degrees. The remaining 18-21 general education credits necessary to meet the state requirement must be completed while enrolled in the BAS program.*

***The program also requires the declaration of a focus area, which is distinct from the BAS concentration areas.*

-A.S. Degree Students: 18 credits from the A.S. program area are allocated to fulfill the focus area.

-All Other Students: For students that graduate from A.A. programs, or those admitted with 60+ college credits, the focus area of 18 credits may be tailored from courses completed as part of the A.A. program or other courses approved by the department chair. The focus areas can be quite diverse, (e.g. business, biology, social sciences, or project management, etc.) Student can also choose to take additional upper division courses for their focus area. Please see an advisor for further guidance on individual focus areas.

Program Specific Courses

Program Core - 27 credits

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
ISM4011	Introduction to Management Information Systems	3
MAN4120	Leadership Challenges and Supervision	3
GEB4891	Strategic Management and Decision Making	3
MAN4504	Operational Decision Making	3

GEB3213 is the first course in the BAS program and is a prerequisite to every other course in the program, or a corequisite to other first semester courses.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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.

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

Required Concentration Courses

Concentration Courses - 15 Credits		
MAN4162	Customer Relations for Managers	3
MAN4301	Human Resource Management	3
GEB4930	Selected Topics in Management	3
MAN4900	Capstone Project in Supervision and Management	3
Choose One of the Following:		
MAN4535	Business Process Analysis	3
MAN3570	Purchasing and Materials Management	3

MAN4535: This course requires GEB4930 or GEB4931. Students in this program must complete GEB4930.

GEB4930: This course requires senior-level status. Topics rotate each term; check section notes for course topic information.

MAN4900: This capstone course is the final course in this 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	3
	General Education Core	3

Subtotal: 12

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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	3
MAN4504	Operational Decision Making	3
	General Education Core	3
	Choose One of the Following:	
MAN4535	Business Process Analysis	3
MAN3570	Purchasing and Materials Management	3

Subtotal: 15

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

MAN4535: This course requires GEB4930 or GEB4931. Students in this program must complete GEB4930.

5th Semester

GEB4930	Selected Topics in Management	3
MAN4900	Capstone Project in Supervision and Management	3

Subtotal: 6

GEB4930: This course requires senior-level status. Topics rotate each term; check section notes for course topic information.

MAN4900: This capstone course is the final course in this program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

SUPERVISION AND MANAGEMENT-PROJECT MANAGEMENT CONCENTRATION, B.A.S. DEGREE

PROGRAM INFORMATION

BAS Degree - Code 600200 - Catalog 2025/2026
 Grady L. Meeks Jr., Assistant Chair, 386-305-3856,
Grady.Meeks@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. Students will complete an additional 60 credits of coursework for a total of 120. The program offers the following concentrations; Management, Project Management, Hospitality, Human Resource Management, Healthcare Management or Supply Chain Management.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Applied Science Application to the BAS degree program in the Admissions Office, the BAS program office, or online through <http://www.daytonastate.edu/>.
- Possess a conferred Associate of Arts or Science, or Associate of Applied Science, from a regionally accredited institution of higher education
 - Or sixty (60) credits of transferable college-level coursework from a regionally accredited institution,
 - including at least 15 credits of general education courses.
- Have a 2.0 or greater cumulative GPA on all college coursework.
- Successfully complete the following courses with a grade "C" or better:
 - ENC1101 Introduction to Composition
 - CGS2100 Microcomputer Applications or ISM2000 Business Information Processing
 - ACG2021 Principles of Financial Accounting or MGF2130 Mathematical Thinking or STA2023 Elementary Statistics.
 - Any General Education courses
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Management and supervisory careers

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

A.A./A.S., or transferable Credits*	60.00
BAS Core Program of Study Credit	27.00
BAS Project Management Concentration Credit	15.00
Focus Area/Gen. Ed**	18.00
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.

Important Admission and Graduation Requirement Note:

General Education Course Work

**The primary pathway for most BAS programs in the Florida College System is an A.S. degree. Typically, graduates of A.S. degree programs transfer 15-18 General Education Core credits that go toward satisfying the state's requirement of 36 credits of general education for bachelor's degrees. The remaining 18-21 general education credits necessary to meet the state requirement must be completed while enrolled in the BAS program.*

***The program also requires the declaration of a focus area, which is distinct from the BAS concentration areas.*

-A.S. Degree Students: 18 credits from the A.S. program area are allocated to fulfill the focus area.

-All Other Students: For students that graduate from A.A. programs, or those admitted with 60+ college credits, the focus area of 18 credits may be tailored from courses completed as part of the A.A. program or other courses approved by the department chair. The focus areas can be quite diverse, (e.g. business, biology, social sciences, or project management, etc.) Student can also choose to take additional upper division courses for their focus area. Please see an

advisor for further guidance on individual focus areas.

Program Specific Courses

Program Core - 27 credits

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
ISM4011	Introduction to Management Information Systems	3
MAN4120	Leadership Challenges and Supervision	3
GEB4891	Strategic Management and Decision Making	3
MAN4504	Operational Decision Making	3

GEB3213 is the first course in the BAS program and is a prerequisite to every other course in the program, or a corequisite to other first semester courses.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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.

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

Required Concentration Courses

Concentration Courses - 15 Credits

GEB4931	Selected Topics in Project Management	3
MAN4535	Business Process Analysis	3
MAN4741	Agile Project Management	3
MAN4931	Capstone Project in Project Management	3
	Choose One of the Following:	
MAN3570	Purchasing and Materials Management	3
MAN3593	Scheduling and Logistics	3
MAN4162	Customer Relations for Managers	3
MAN4301	Human Resource Management	3
MAN4520	Quality Management	3
MAN4583	Applied Project Management	3
MAN4584	Project Risk Management	3

GEB4931: This course requires senior-level status. Topics rotate each term; check section notes for course topic information.

MAN4535: This course requires GEB4930 or GEB4931. Students in this program must complete GEB4931.

MAN4931: This capstone course is the final course in this 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 corequisite to other first semester courses.

2nd Semester

BUL3130	Legal, Ethical, and Social Aspects of Business	3
ACG3024	Accounting for Non-Financial Majors	3
GEB4931	Selected Topics in Project Management	3
	General Education Core	3
	General Education Core	3
Subtotal: 15		

GEB4931: This course requires senior-level status. Topics rotate each term; check section notes for course topic information.

3rd Semester

MAN4535	Business Process Analysis	3
ISM4011	Introduction to Management Information Systems	3
	General Education Core	3
	Choose One of the Following:	
MAN3570	Purchasing and Materials Management	3
MAN3593	Scheduling and Logistics	3
MAN4162	Customer Relations for Managers	3
MAN4301	Human Resource Management	3
MAN4520	Quality Management	3

MAN4583	Applied Project Management	3
MAN4584	Project Risk Management	3

Subtotal: 12

MAN4535: This course requires GEB4930 or GEB4931. Students in this program must complete GEB4931.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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	3
MAN4504	Operational Decision Making	3
MAN4741	Agile Project Management	3

Subtotal: 12

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

5th Semester

	General Education Core	3
MAN4931	Capstone Project in Project Management	3

Subtotal: 6

MAN4931: This capstone course is the final course in this program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

SUPERVISION AND MANAGEMENT-SUPPLY CHAIN MANAGEMENT CONCENTRATION, B.A.S. DEGREE

PROGRAM INFORMATION

BAS Degree - Code 600400 - Catalog 2025/2026
Grady L. Meeks Jr., Assistant Chair, 386-305-3856,
Grady.Meeks@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. Students will complete an additional 60 credits of coursework for a total of 120. The program offers the following concentrations; Management, Project Management, Hospitality, Human Resource Management, Healthcare Management or Supply Chain Management.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans, and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Applied Science Application to the BAS degree program in the Admissions Office, the BAS program office, or online through <http://www.daytonastate.edu/>.
- Posses a conferred Associate of Arts or Science, or Associate of Applied Science, from a regionally accredited institution of higher education
 - Or sixty (60) credits of transferable college-level coursework from a regionally accredited institution,
 - including at least 15 credits of general education courses.
- Have a 2.0 or greater cumulative GPA on all college coursework.
- Successfully complete the following courses with a grade "C" or better:
 - ENC1101 Introduction to Composition
 - CGS2100 Microcomputer Applications or ISM2000 Business Information Processing

- ACG2021 Principles of Financial Accounting or MGF2130 Mathematical Thinking or STA2023 Elementary Statistics.
- Any General Education courses

• Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

Management and supervisory careers

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

A.A./A.S. or Transferable Credits*	60.00
BAS Core Program of Study Credit	27.00
BAS Supply Chain Management Concentration Credit	15.00
Focus Area/Gen. Ed**	18.00
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.

Important Admission and Graduation Requirement Note:

General Education Course Work

**The primary pathway for most BAS programs in the Florida College System is an A.S. degree. Typically, graduates of A.S. degree programs transfer 15-18 General Education Core credits that go toward satisfying the state's requirement of 36 credits of general education for bachelor's degrees. The remaining 18-21 general education credits necessary to meet the state requirement must be completed*

while enrolled in the BAS program.

***The program also requires the declaration of a focus area, which is distinct from the BAS concentration areas.*

-A.S. Degree Students: 18 credits from the A.S. program area are allocated to fulfill the focus area.

-All Other Students: For students that graduate from A.A. programs, or those admitted with 60+ college credits, the focus area of 18 credits may be tailored from courses completed as part of the A.A. program or other courses approved by the department chair. The focus areas can be quite diverse, (e.g. business, biology, social sciences, or project management, etc.) Student can also choose to take additional upper division courses for their focus area. Please see an advisor for further guidance on individual focus areas.

Program Specific Courses

Program Core - 27 credits		
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
ISM4011	Introduction to Management Information Systems	3
MAN4120	Leadership Challenges and Supervision	3
GEB4891	Strategic Management and Decision Making	3
MAN4504	Operational Decision Making	3

GEB3213 is the first course in the BAS program and is a prerequisite to every other course in the program, or a co-requisite to other first semester courses.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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.

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

Required Concentration Courses

Concentration Courses - 15 Credits		
MAN3593	Scheduling and Logistics	3
	OR	
MAN4520	Quality Management	3
	OR	

MAN4535	Business Process Analysis OR	3
GEB4931	Selected Topics in Project Management AND	3
MAN3570	Purchasing and Materials Management	3
MAN4597	Global Supply Chain Management	3
GEB4932	Selected Topics in Supply Chain Management	3
MAN4930	Capstone Project in Supply Chain Management	3

MAN4535: This course requires GEB4930 or GEB4931 or GEB4932. Students in this program must complete GEB4932.

GEB4932: This course requires senior-level status. Topics rotate each term; check section notes for course topic information.

MAN4930: This capstone course is the final course in this 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
MAN3570	Purchasing and Materials Management	3
	General Education Core	3

Subtotal: 12

3rd Semester

MAN3593	Scheduling and Logistics OR	3
MAN4520	Quality Management OR	3
MAN4535	Business Process Analysis OR	3
GEB4931	Selected Topics in Project	3

ISM4011	Management Introduction to Management Information Systems	3
	General Education Core	3
	General Education Core	3

Subtotal: 12

MAN4535: This course requires GEB4930 or GEB4931 or GEB4932. Students in this program must complete GEB4932.

ISM4011: Requires ISM2000 or CGS2100 or equivalent. 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	3
MAN4504	Operational Decision Making	3
MAN4597	Global Supply Chain Management	3
	General Education Core	3

Subtotal: 15

MAN4120, GEB4891, MAN4504: These courses require senior-level status.

5th Semester

GEB4932	Selected Topics in Supply Chain Management	3
MAN4930	Capstone Project in Supply Chain Management	3

Subtotal: 6

GEB4932: This course requires senior-level status. Topics rotate each term; check section notes for course topic information.

MAN4930: This capstone course is the final course in this program.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

BS Degree

ACCOUNTING, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 650000 - Catalog 2024/2025

Max Nagiel, Chair, 386-506-3829,
 Max.Nagiel@daytonastate.edu
 John Weiss, Assistant Chair, 386-506-
 3792, John.Weiss@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Accounting, B.S. program is to provide a quality accounting education that prepares students for successful careers in accounting and business.

Description:

The program prepares graduates for positions in business and accounting in the private and public sectors. A strong foundation is provided in financial accounting, managerial accounting, cost accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement analysis, business information systems, and applications to specific for-profit, public, and non-profit organizations. The Bachelor Program in Accounting 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. Apply Generally Accepted Accounting Principles (GAAP) to prepare and analyze financial statements, business transactions, and qualitative information in industry, government and not-for-profit organizations.
2. Demonstrate knowledge of various accounting issues related to Financial Accounting within a global and or ethical framework.
3. Prepare basic individual and business tax returns consistent with basic principles of federal taxation law.
4. Demonstrate knowledge and understanding of the concept and importance of internal control.
5. Apply ethical and social considerations in analysis, interpretation and the integrity of financial information.
6. Explain accounting issues in written and oral form using appropriate accounting principles and rules.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Accounting application to the Admissions Office, or online through <http://www.daytonastate.edu/apply>.
- Possess a conferred Associate of Arts or Science, or Associate of Applied Science, from a regionally accredited institution of higher education
 - or sixty (60) credits of transferable college-level coursework from a regionally accredited institution,
 - including at least 15 credits of general education courses.
- Complete all General Education and prerequisite courses with a grade "C" or better.
- Successfully complete of ACG2021, ACG2071, ISM2000 or CGS2100, ECO2013, ECO2023, STA2023, and MAC2233 (or equivalent or higher).
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Fulfill all 42 credit hours of the Accounting, B.S. program specific, 42 credit hours of Associate degree, and 36 credit hours of General Education coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Satisfy the College-Level Communication and Computational Skills and the Civic Literacy Competency requirement.

- Earn a grade "C" or better in all program specific and prerequisite courses.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

General Education	36.00
Associate Degree	42.00
Accounting BS Program Specific	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

ACG3101	Intermediate Accounting I	3
ACG3113	Intermediate Accounting II	3
ACG3123	Intermediate Accounting III	3
ACG3341	Cost Accounting	3
ACG4401	Accounting Information Systems	3
ACG4501	Governmental and Nonprofit Accounting	3
ACG4632	Auditing	3
BUL3130	Legal, Ethical, and Social Aspects of Business	3
FIN3403	Business Finance	3
GEB3213	Business Writing	3
MAN3353	Management Theory and Practices	3
MAN4504	Operational Decision Making	3
TAX3001	Federal Income Tax	3
TAX3011	Taxation of Business Organizations	3

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

ACG3101	Intermediate Accounting I	3
	Business Elective/ General Education	3
ACG3113	Intermediate Accounting II	3

GEB3213	Business Writing	3
		Subtotal: 12

2nd Semester

ACG3123	Intermediate Accounting III	3
FIN3403	Business Finance	3
ACG3341	Cost Accounting	3
ACG4401	Accounting Information Systems	3
		Subtotal: 12

Year 2

3rd Semester

BUL3130	Legal, Ethical, and Social Aspects of Business	3
MAN3353	Management Theory and Practices	3
	Business Elective/ General Education	3
	Business Elective/ General Education	3

4th Semester

TAX3001	Federal Income Tax	3
	Business Elective/ General Education	3
TAX3011	Taxation of Business Organizations	3
ACG4501	Governmental and Nonprofit Accounting	3

5th Semester

MAN4504	Operational Decision Making	3
ACG4632	Auditing	3
	Business Elective/ General Education	3
	Business Elective/ General Education	3

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 60

BIOLOGY 6-12, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 622400 - Catalog 2025/2026

Donald May, Chair, Education, 386-506-3442, Donald.May@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Bachelor of Science in Biology 6-12 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 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 6-12.

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 6-12.
4. Attain additional Uniform Core Curriculum content.

Financial Aid

This program is eligible for federal financial aid and the 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Education application for Admission to the Admissions Office or online through <https://www.daytonastate.edu>.

- Possess a conferred Associate of Arts degree from a regionally accredited institution.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- Complete all college coursework with a minimum 2.5 cumulative grade point average.
- Earn a grade "C" or higher in the following prerequisite courses: 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).
- Submit passing score reports for at least 2 of the 4 FTCE General Knowledge Test (GKT) subtests or the FTCE Biology 6-12 Subject Area Examination (SAE). Please contact the School of Education at (386) 506-3770 for additional test preparation resources. Click here for more information or to register for the exam.
- Possess 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 or to complete an application at the Raptor Kiosk (if available at the Volusia school site). 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 (386-255-7190 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.

Additional Completion Requirements

- Undertake and pass SLS3355L in their first semester of enrollment.
- Fulfill 36 credit hours of General Education coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Program Credit Requirements

AA Degree	60.00
BSED Program Specific	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	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
PCB3060	Introduction to Genetics	3
PCB3034C	General Ecology and Lab	4
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
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	3

	Students in Secondary Schools	
EEX4601	Behavior Management	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	3
OR		
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
CHM1045	General College Chemistry I and Lab	4
MAC1140	Pre-Calculus Algebra	3
REL2300	World Religion	3
OR		

WOH2012	World History Before 1500	3	EEX4242	Teaching Exceptional Students in Secondary Schools	3
WOH2022	World History After 1500	3	PCB3034C	General Ecology and Lab	4
EEX2010	Introduction to Special Education	3	2nd Semester		
CHM1045C, EEX2010: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.			PCB3060	Introduction to Genetics	3
2nd Semester			OCB2000C	Introduction to Marine Biology and Lab	4
ECO2013	Principles of Macroeconomics	3	BOT1010C	General Botany and Lab	4
ECO2023	OR	3	EME3434	Integrating Technology into Math and Science	3
	Principles of Microeconomics		RED3012	Principles of Reading	3
CHM1046C	General College Chemistry II and Lab	4	Year 4		
MAC2311C	Calculus I and Lab	4	1st Semester		
MAC2311C: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.			EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
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.			PCB3203	Cell Physiology	3
			SMT4301	Classroom Interaction in Math and Science Teaching	3
			BOT3151	Flora of Central Florida	3
			EEX4601	Behavior Management	3
Year 3			2nd Semester		
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.			EDF4943	Student Internship	9
Apply for Admission to BS Program			ESE4945	Internship Seminar	3
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.			<i>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 General Knowledge Test (GKT), 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.</i>		
1st Semester			<i>Note: Sequence of courses may vary. Check catalog course descriptions for requisite requirements.</i>		
SLS3355L	Orientation to Education Programs Lab	0			
TSL3080	ESOL Issues and Strategies I	3			
EDG4323	Professional Teaching Practices	3			
EDF4430	Classroom Assessment	3			

CARDIOPULMONARY SCIENCE, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 660000 - Catalog 2025/2026
 Melanie McDonough, Assistant Chair, 386-506-3759, Melanie.McDonough@daytonastate.edu
 Melissa Brown-Mack, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Bachelor of Science in Cardiopulmonary Sciences program is to enhance healthcare providers' ability to function in clinical, teaching, administrative, or research environments by offering a scholarly, comprehensive, innovative program that promotes excellence in healthcare. The program offers opportunities for students to apply knowledge to changing healthcare environments amidst the rapidly expanding scope of practice and patient acuity levels seen today.

Description:

The Daytona State College B.S. in Cardiopulmonary Sciences (BSCS) degree program is designed specifically to meet the needs of practicing healthcare providers who wish to obtain advanced training.

The BSCS accelerated program is completely online and applications for admission are accepted anytime during the year.

Program Accreditation: The Cardiopulmonary Science, B.S. program is planned to be accredited by the Commission on Accreditation for Respiratory Care (CoARC), 264 Precision Blvd. Telford, TN 37690 (817) 283-2835. Accreditation provides consumer protection, advances and enhances the profession of Respiratory Care and protects against compromise of educational quality.

College Accreditation: Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Outcomes:

CoARC Program Goal: "To provide graduates of entry into respiratory care professional practice degree programs with additional knowledge, skills, and attributes in leadership, management, education, research, and/or advanced clinical practice that will enable them to meet their current professional goals and prepare them for practice as advanced degree respiratory therapists."

Program Student Learning Outcomes

Graduates of the Bachelor of Science in Cardiopulmonary Science will be able to:

1. Plan care in accordance with management and leadership principles for patients across the lifespan.
2. Integrate inherent values as defined by health law and ethics as a foundation for practice.
3. Synthesize knowledge of advanced therapeutics to improve patient-care outcomes.
4. Examine safe and appropriate care based on health promotion, disease, and injury prevention to improve population health.
5. Understand the importance of research to identify best evidence-based practices 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition	\$4,331.52
Access Fee	\$46.08
Assessment Fee	\$34
Textbook Estimate	\$850

*This is a one-time fee for first time DSC students

Additional Admission Requirements

This is a limited access program.

- Submit a Bachelor of Science in Cardiopulmonary Science Application for admission to the Admissions Office or online: Apply Now.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- Possess a conferred Associate of Science or Associate of Applied Science from a regionally accredited program in one of the following:
 - Respiratory Care with Commission on Accreditation for Respiratory Care (CoARC) accreditation and Registered Respiratory Therapist (RRT) eligible,
 - Cardiovascular Technology with Council for Higher Education accreditation (CHEA) and Registered Cardiac Electrophysiology Specialist (RCES) or Registered Cardiovascular Invasive Specialist (RCIS) eligible,
 - Emergency Medical Services with Commission on Accreditation of Allied Health Education Programs (CAAHEP) accreditation and Paramedic (NREMT-P) eligible, or
 - Other certified and licensed healthcare providers may be eligible. Applications must be approved by the Program Director and will be evaluated on a case-by-case basis.
- Applicants without an associate degree must meet with an Academic Advisor.
- Complete all college coursework with a minimum 2.0 cumulative grade point average.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Successfully pass the highest-level credentialing exam specific to their profession (only one of the following):
 - National Board for Respiratory Care Therapist Multiple Choice and Clinical Simulation Exam to obtain the Registered Respiratory Therapist Credential,
 - Cardiovascular Credentialing International (CCI) Registered Cardiac Electrophysiology Specialist (RCES) or Registered

Cardiovascular Invasive Specialist (RCIS) credentialing exam,

- National Registry of Emergency Medical Technician exam to obtain the Nationally Registered Paramedic (NREMT-P) OR hold a FL-Paramedic certification, or
- Other healthcare disciplines as approved for admission to the program
- Submit the credentialing exam report in order to obtain college credit for course RET3960 (p. 503) Respiratory Therapy Professional Credentialing.
- Undertake and pass 12 additional lower-division credits prior to RET4950 Cardiopulmonary Capstone:
 - BSC1085 Human Anatomy & Physiology I, equivalent or higher
 - BSC1086 Human Anatomy & Physiology II, equivalent or higher
 - MCB1010 Microbiology, equivalent or higher
- Fulfill the 36 upper-division credit hours of the Cardiopulmonary, B.S. program specific courses.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Satisfy the College-Level Communication and Computational Skills and the Civic Literacy Competency requirement.

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	36.00
Associate Degree - Program Specific and Electives	36.00
Additional Lower-level Sciences	12.00
Cardiopulmonary Science BS Program Specific	36.00
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

RET4354	Advanced Pharmacology	3
HSC4550	Pathophysiology for Health Care	3
RET3960	Professional Credentialing	3
HSC4645	Legal and Ethical Aspects of Health Care	3
RET4445	Cardiopulmonary Diagnostics	3
HSA4107	Health Services Administration	3
RET4245	Advanced Life Support	3
HSA4383	Quality Management and Process Improvement	3
HSC3730	Research Methods for Health Professions	3
RET3536	Cardiopulmonary Rehabilitation	3
RET3041	Cardiopulmonary Education and Promotion	3
RET4950	Cardiopulmonary Capstone	3
RET4950: This capstone course must be taken during the final semester of the program.		

SAMPLE PROGRAM OF STUDY**Year 1****1st Semester**

RET3041	Cardiopulmonary Education and Promotion	3
HSC4550	Pathophysiology for Health Care	3
RET3536	Cardiopulmonary Rehabilitation	3

2nd Semester

HSA4383	Quality Management and Process Improvement	3
RET4245	Advanced Life Support	3
RET4354	Advanced Pharmacology	3

Year 2**3rd Semester**

RET3960	Professional Credentialing	3
HSC3730	Research Methods for Health Professions	3
RET4445	Cardiopulmonary Diagnostics	3

4th Semester

HSA4107	Health Services Administration	3
HSC4645	Legal and Ethical Aspects of Health Care	3

RET4950	Cardiopulmonary Capstone	3
RET4950: This capstone course must be taken during the final semester of the program.		

CHEMISTRY 6-12, B.S. DEGREE**PROGRAM INFORMATION**

BS Degree - Code 622600 - Catalog 2025/2026
 Donald May, Chair, Education, 386-506-3442, Donald.May@daytonastate.edu

Program Mission, Description, and Outcomes**Mission:**

The Bachelor of Science in Chemistry 6-12 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 Chemistry 6-12.

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 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Education application for Admission to the Admissions Office or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts degree from a regionally accredited institution.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- Complete all college coursework with a minimum 2.5 cumulative grade point average.
- Earn a grade "C" or higher in the following prerequisite courses: EDF1005, EEX2010, MAC2311C (4 credits), CHM1045C (4 credits), CHM1046C (4 credits) and one of the following combinations: PHY2048C & PHY2049C OR PHY1053C & PHY1054C.
- Submit passing score reports for at least 2 of the 4 FTCE General Knowledge Test (GKT) subtests or the FTCE Chemistry 6-12 Subject Area Examination (SAE). Please contact the School of Education at (386) 506-3770 for additional test preparation resources. Click here for more information or to register for the exam.
- Possess 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 or to complete an application at the Raptor Kiosk (if available at the Volusia school site). 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 (386-255-7190 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.

Additional Completion Requirements

- Undertake and pass SLS3355L in their first semester of enrollment.
- Fulfill 36 credit hours of General Education coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Program Credit Requirements

AA Degree	60.00
BS/ED Program Specific	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	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
CHM2210C	Organic Chemistry I 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
EEX4601	Behavior Management	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	3

Education

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
Choose One of the Following:		
ARH1000	Art Appreciation	3
MUL1010	Music Appreciation	3
PHY2048C: This course is a prerequisite for admission into the program. All prerequisite courses require a grade of "C" or higher.		

2nd Semester

MAC2312C	Calculus II and Lab	4
PHY2049C	Physics with Calculus II and Lab	5
GEO2000	World Geography	3
Choose One of the Following:		
ECO2013	Principles of Macroeconomics	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	0

TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3
CHM2210C	Organic Chemistry I 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

BCH3023C	Biochemistry I and Lab	4
CHM2211C	Organic Chemistry II and Lab	4
EME3434	Integrating Technology into Math and Science	3
CHM3085	Environmental Chemistry	3
EEX4601	Behavior Management	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 General Knowledge Test (GKT), 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.

INFORMATION TECHNOLOGY – BSIT, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 633400 Catalog 2025/2026
Nabeel Yousef, Chair, Angela & D.S. Patel School of Engineering, 386-506-4123,
Nabeel.Yousef@daytonastate.edu
Donna Miller, Administrative Assistant, 386-506-4138, Donna.Miller@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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at 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: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Information Technology application to the Admissions Office, the BSIT program office, or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts or Science, or Associate of Applied Science, from a regionally accredited institution of higher education
 - Or sixty (60) credits of transferable college-level coursework from a regionally accredited institution,
 - including at least 15 credits of general education courses.
- Complete all General Education and core coursework with a grade "C" or better.
- Successfully complete ENC1101 and MAC1105 (or equivalent or higher).
- Have an overall grade point average of 2.5 or higher.
 - A grade point average between 2.0 and 2.49 may be admitted conditionally with the approval of the Chair of the BSIT program.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the

National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Undertake and pass a course in each of the following
 - Statistics - STA2023 or EGN3443
 - Calculus - EGN2045 or MAC2311C
- Successfully complete two courses of computer programming, if not completed as part of the A.A. or A.S. degree.
 - Recommended courses are COP1000 and COP2220, COP2360, or COP2800.
- Fulfill the 48 credit hours of approved upper-level technical courses, 36 credit hours of General Education, and 44 credit hours of approved lower-level technical coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college-level foreign language.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

The occupational outlook for information technology is available at <https://www.bls.gov/ooh/field-of-degree/computer-and-information-technology-field-of-degree.htm>. Students considering careers in engineering technology should read the information on types of jobs available and salary ranges.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

Lower Level Technical Electives	44.00
General Education	36.00
BSIT Program Specific	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
COP4708	Applied Database I	3
COP4813	Web Systems I	3
CNT3104	Introduction to Telecommunications	2
CNT4007	Data and Computer Communications	3
CNT4703	Voice and Data Network Design	3
CIS4250	Ethical Issues in IT	1
CIS4360	Applied Cybersecurity	3
CIS4510	IT Project Management	3
CDA4101	Computer Organization and Design	3
CEN4010	Software Engineering	3
CEN4801	Systems Integration	3
CEN3722	Human Computer Interfaces	3
CTS3348	Linux Administration	3
GEB3213	Business Writing	3
	Program Elective	3

Subtotal: 48

Program Elective Courses

Must Select 3 Credit Hours

COP4709	Applied Database II	3
COP4834	Web Systems II	3
CET4860	Introduction to Digital Forensics	3
CET4861	Advanced Digital Forensics	3
CET4862	Network Forensics and Incident Response	3
CET4884	Security Methods and Practice	3

SAMPLE PROGRAM OF STUDY

1st Semester

CEN3722	Human Computer Interfaces	3
CNT3104	Introduction to Telecommunications	2
GEB3213	Business Writing	3
COP4610	Operating Systems	3
	General Education or Technical Elective	3

Subtotal: 14

2nd Semester

COP3530	Data Structures	3
CIS4360	Applied Cybersecurity	3
COP4708	Applied Database I	3
	General Education or Technical Elective	3

Subtotal: 12**3rd Semester**

CDA4101	Computer Organization and Design	3
CIS4250	Ethical Issues in IT	1
CEN4801	Systems Integration	3
	General Education or Technical Elective	4
CEN4010	Software Engineering	3

Subtotal: 14**4th Semester**

CNT4007	Data and Computer Communications	3
COP4813	Web Systems I	3
	Program Elective	3
	Program 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. 394) 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.

EARTH/SPACE SCIENCE EDUCATION 6-12, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 622700 - Catalog 2025/2026
Donald May, Chair, Education, 386-506-
3442, Donald.May@daytonastate.edu

Program Mission, Description, and Outcomes**Mission:**

The Bachelor of Science in Earth/Space Science 6-12 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 6-12.

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 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Education application for Admission to the Admissions Office or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts degree from a regionally accredited institution.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of

the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

- Complete all college coursework with a minimum 2.5 cumulative grade point average.
- Earn a grade "C" or higher in the following prerequisite courses: EDF1005, EEX2010, and MAC2311C (4 credits), OCE1001, GLY2010C (4 credits) and one of the following combinations: BSC1010C and BSC1011C, or CHM1045C and CHM1046C, or PHY2048C and PHY2049C.
- Submit passing score reports for at least 2 of the 4 FTCE General Knowledge Test (GKT) subtests or the FTCE Earth/Space Science 6-12 Subject Area Examination (SAE). Please contact the School of Education at (386) 506-3770 for additional test preparation resources. Click here for more information or to register for the exam.
- Possess 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 or to complete an application at the Raptor Kiosk (if available at the Volusia school site). 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 (386-255-7190 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.

Additional Completion Requirements

- Undertake and pass SLS3355L in their first semester of enrollment.
- Fulfill 36 credit hours of General Education coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Program Credit Requirements

AA Degree	60.00
BS/ED Program Specific	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	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
PCB3034C	General Ecology and Lab	4
PHY1020	Conceptual Physics	3
	OR	
EVR2001	Introduction to Environmental Science	3
	OR	
AST1002	Astronomy	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	3

	Students in Secondary Schools	
EEX4601	Behavior Management	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

MAC2311 C	Calculus I and Lab	4
SPC2608	Oral Communications/Research/Presentation Skills	3

CHM1045 C	General College Chemistry I and Lab	4
GEO2000	World Geography	3
Choose One of the Following:		
ARH1000	Art Appreciation	3
MUL1010	Music Appreciation	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.

2nd Semester

GLY2010C	Physical Geology and Lab	4
AST1002	Astronomy	3
Choose One of the Following:		
ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	3

GLY2010C: This course (and any corresponding lab) is 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

SLS3355L	Orientation to Education Programs Lab	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3

EEX4242	Teaching Exceptional Students in Secondary Schools	3
PCB3034C	General Ecology and Lab	4
2nd Semester		
BOT1010C	General Botany and Lab	4
EME3434	Integrating Technology into Math and Science	3
OCE3014C	Oceanography: Coastal Ocean Studies in Biogeochemistry and Lab	4
RED3012	Principles of Reading Choose One of the Following:	3
AST1002	Astronomy	3
EVR2001	Introduction to Environmental Science	3
PHY1020	Conceptual Physics	3

Year 4**1st Semester**

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
EEX4601	Behavior Management	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 General Knowledge Test (GKT), 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.

ELEMENTARY EDUCATION K-6, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 622100 - Catalog 2025/2026
Donald May, Chair, Education, 386-506-3442, Donald.May@daytonastate.edu
Lakisha Holmes, AVP, College of Arts & Sciences, 386-506-3769, LaKisha.Holmes@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Bachelor of Science in Elementary Education K-6 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Education application for Admission to the Admissions Office or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts degree from a regionally accredited institution.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- Complete all college coursework with a minimum 2.5 cumulative grade point average.
- Earn a grade "C" or higher in the following prerequisite courses: EDF1005, EEX2010, and MAE2801.
- Submit passing score reports for at least 2 of the 4 FTCE General Knowledge Test (GKT) subtests or the FTCE Elementary Education K-6 Subject Area Examination (SAE). Please contact the School of Education at (386) 506-3770 for additional test preparation resources. Click here for more information or to register for the exam.
- Possess 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 or to complete an application at the Raptor Kiosk (if available at the Volusia school site). 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'

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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 (386-255-7190 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.

Additional Completion Requirements

- Undertake and pass SLS3355L in their first semester of enrollment.
- Fulfill 36 credit hours of General Education coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Program Credit Requirements

AA Degree	60.00
BSED Program Specific	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	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3

EEX4601	Behavior Management	3
SCE3832	Science Concepts in the Elementary Classroom	3
RED3309	Early and Emergent Reading	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
SCE3832	Science Concepts in the Elementary Classroom	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
MGF2130	Mathematical Thinking	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

MGF2130	Mathematical Thinking OR	3
EEX2010	Introduction to Special Education	3
Choose One of the Following:		
ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	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
BSC1010	General Biology I (For Science Majors) and Lab	4
EDP2002	Educational Psychology	3
PET2084	Personal Health and Wellness	3
Choose One of the Following:		
REL2300	World Religion	3
WOH201	World History Before 1500	3
2		
WOH202	World History After 1500	3
2		

2nd Semester

POS2041	American Federal Government	3
MAE2801	Elementary School Mathematics	3
Elective		2
Choose One of the Following:		
ARH1000	Art Appreciation	3
MUL1010	Music Appreciation	3
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	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
RED3309	Early and Emergent Reading	3
EEX4070	Teaching Exceptional Students	3

2nd Semester

SCE3310	Teaching Science in the Elementary School	3
RED4511	Intermediate Literacy, Reading and Thinking	3
MAE4803	Mathematics Content for Elementary Grades	3
SSE3312	Teaching Social Studies	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3

Year 4**1st Semester**

SCE3832	Science Concepts in the Elementary Classroom	3
TSL4081	ESOL Issues and Strategies II	3
RED4519	Diagnosis, Intervention in Reading	3
MAE4326	How Children Learn Mathematics	3
RED4844	Reading Practicum	3
EEX4601	Behavior Management	3
RED4844 is an intensive Reading Practicum that requires departmental consent prior to enrolling.		

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 General Knowledge Test (GKT), 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. 394) for requisite requirements.

ENGINEERING TECHNOLOGY (BSET), B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 633100 - Catalog 2025/2026
Nabeel Yousef, Chair, Angela & D.S. Patel School of Engineering, 386-506-4123,
Nabeel.Yousef@daytonastate.edu
Donna Miller, Administrative Assistant, 386-506-4138, Donna.Miller@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 educational objectives of the BSET program are as follows.

1. Career: Graduates will use their 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 contribute to their profession using 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 understand the ethical, human, and social issues of their field and will be involved members of their local and global communities acting as responsible technical professionals.
4. **Life-Long Learning:** Graduates will be active contributors to their employer and their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, timeliness, and continued professional development.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs

available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Engineering Technology application to the Admissions Office, the BSET program office, or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts or Science or Applied Science from a regionally accredited institution of higher education,
 - or sixty (60) credits of transferable college-level coursework from a regionally accredited institution
 - including 15 credits of general education courses.
- Complete general education, technical, and prerequisite coursework with a grade "C" or better.
- Successfully complete ENC1101 and MAC1105 (or equivalent or higher).
- Have an overall grade point average of 2.5 or higher.
 - A grade point average between 2.0 and 2.49 may be admitted conditionally with the approval of the Chair of the BSET program.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Undertake and successfully pass:
 - Computer Programming coursework from either of the following two options:
 - EGN3214
 - COP1000 and (COP2800, COP2360, or COP2220)
 - Mathematical coursework from the either of the following two options:
 - Technical Math route - EGN2045 and EGN3046
 - Graduate Studies route - MAC2311C, MAC2312C, MAC2313C, and MAP2302

- Statistics coursework from either of the following two courses:
 - EGN3443 (recommended)
 - STA2023
- Physics coursework from either of the following two recommended courses:
 - ETG3541
 - PHY2048C
- Senior Design courses, ETI4448 and ETG4960C, at Daytona State College.
- Fulfill the 48 credit hours of approved upper-level technical courses, 36 credit hours of General Education, and 44 credit hours of approved lower-level technical coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Satisfy the College-Level Communication and Computational Skills and the Civic Literacy Competency requirement.
- Earn a grade "C" or better in all program specific and prerequisite courses.

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 occupational outlook for engineering technology is available at <https://www.bls.gov/ooh/field-of-degree/engineering-technologies/engineering-technologies-field-of-degree.htm> Students considering careers in engineering technology should read the information on types of jobs available and salary ranges.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

General Education	36.00
Lower Level Technical Electives (p. 238)	44.00
BSET Core Program of Study	18.00

BSET Program Specific

	30.00
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.

BSET Core Program of Study Courses

GEB3213	Business Writing	3
EGN3311	Statics	3
EGN3321	Dynamics	3
EGN3613	Engineering Economics Analysis	3
ETG4950C	Project Management and Senior Design II and Lab	3
ETI4448	Project Management and Senior Design I	3

Subtotal: 18

BSET Program Specific Courses

ETS3543C	Programmable Logic Applications and Device and Lab	3
EET3085	Electricity and Electronics	3
ETI3116	Engineering Quality Assurance	3
ETS4502C	Metrology and Instrumentation and Lab	3

Subtotal: 12

Select Two: Materials (6 Credits)

ETI3421	Materials and Processes	3
ETC4241	Construction Materials and Methods AND	2
ETC4241L	Construction Materials and Methods Lab	1
ETG3533	Engineering Strength of Materials AND	2
ETG3533L	Engineering Strength of Materials Lab	1

Select Two: Energy Systems or Thermodynamics (6 Credits)

EGN3343	Thermodynamics	3

ETM4220	Energy Systems	3
ETM4331	Applied Fluid Mechanics	3
Program Elective Courses (6 Credits)		
Choose Two Courses		
ETI4704	Occupational Safety	3
ETI4205	Applied Logistics	3
ETI4640	Operations Management	3
ETI4186	Applied Reliability	3
ETC4414C	Structural Steel Design and Lab	3
ETC4415C	Structural Concrete Design and Lab	3
ETC4206	Construction Estimating	3

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester - Fall

EGR3311	Statics	3
ETI3421	Materials and Processes	3
ETI4205	Applied Logistics	3
EET3085	Electricity and Electronics	3
		Subtotal: 12

2nd Semester - Spring

ETI3116	Engineering Quality Assurance	3
EGR3613	Engineering Economics Analysis	3
EGR3321	Dynamics	3
ETI4640	Operations Management	3
		Subtotal: 12

Students should seek advisement prior to enrolling in classes.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Year 2

1st Semester - Fall

ETS4502C	Metrology and Instrumentation and Lab	3
GEB3213	Business Writing	3
ETI4448	Project Management and Senior Design I	3
ETM4331	Applied Fluid Mechanics	3
		Subtotal: 12

2nd Semester - Spring

ETM4220	Energy Systems	3
ETG4950C	Project Management and	3

ETG3533	Senior Design II and Lab Engineering Strength of Materials	2
ETS3543C	Programmable Logic Applications and Device and Lab	3
		Subtotal: 12

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 2025/2026
Nabeel Yousef, Chair, Angela & D.S. Patel School of Engineering, 386-506-4123,
Nabeel.Yousef@daytonastate.edu
Alireza Rahrooh, Program Coordinator, Angela & D.S. Patel School of Engineering Technology, 386-506-4106, Alireza.Rahrooh@daytonastate.edu
Donna Miller, Administrative Assistant, 386-506-4138, Donna.Miller@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:

1. Career: Graduates will use their 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 contribute to their profession using 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 understand the ethical, human, and social issues of their field and will be involved members of their local and global communities acting as responsible technical professionals.
4. Life-Long Learning: Graduates will be active contributors to their employer and their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, timeliness, and continued professional development.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Engineering Technology application to the Admissions Office, the BSET program office, or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts or Science or Applied Science from a regionally accredited institution of higher education,
 - or sixty (60) credits of transferable college-level coursework from a regionally accredited institution
 - including 15 credits of general education courses.
- Complete general education, technical, and prerequisite coursework with a grade "C" or better.

- Successfully complete ENC1101 and MAC1105 (or equivalent or higher).
- Have an overall grade point average of 2.5 or higher.
 - A grade point average between 2.0 and 2.49 may be admitted conditionally with the approval of the Chair of the BSET program.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Undertake and successfully pass:
 - Computer Programming coursework from either of the following two options:
 - EGN3214 *recommended*
 - COP1000 and (COP2800, COP2360, or COP2220)
 - Digital and discrete math coursework from either of the following two options:
 - CET3116 *recommended*
 - CET1112C and (COT3100 or MAD2104)
 - Physics coursework from either of the following two *recommended* courses:
 - ETG3541 *recommended*
 - PHY2048C
 - Mathematical coursework from the either of the following two options:
 - Technical Math route - EGN2045 and EGN3046
 - Graduate Studies route - MAC2311C, MAC2312C, MAC2313C, and MAP2302
 - Statistics coursework from either of the following two courses:
 - EGN3443 (recommended)
 - STA2023
 - Senior Design courses, ETI4448 and ETG4960C, at Daytona State College.
 - EET1021C, EET1141C, EGN3214 and EET3085 with Lab
- Fulfill the 48 credit hours of approved upper-level technical courses, 36 credit hours of General Education, and 44 credit hours of approved lower-level technical coursework.

- Conclude two years of the same foreign language in high school or two semesters of the same college-level foreign language.
- Satisfy the College-Level Communication and Computational Skills and the Civic Literacy Competency requirement.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

The occupational outlook for engineering technology is available at <https://www.bls.gov/ooh/field-of-degree/engineering-technologies/engineering-technologies-field-of-degree.htm> Students considering careers in engineering technology should read the information on types of jobs available and salary ranges.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

General Education	36.00
Lower Level Technical Electives (p. 238)	44.00
BSET Core Program of Study	18.00
BSET- Electrical Engineering Technology Concentration	30.00
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.

BSET Core Program of Study Courses

GEB3213	Business Writing	3
EGN3311	Statics	3
EGN3321	Dynamics	3
EGN3613	Engineering Economics Analysis	3
ETG4950C	Project Management and Senior Design II and Lab	3
ETI4448	Project Management and Senior Design I	3

Subtotal: 18

Electrical Engineering Technology Concentration 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
ETI3116	Engineering Quality Assurance	3
ETP4240	Power Systems	3
ETP4240L	Power Systems Lab	1
EGN3046	Engineering and Technology Calculus II Program Elective	3
Subtotal: 30		

Program Elective Course (3 credits)

Must Select One Course.

If MAP2302C has been successfully completed instead of EGN3046, another 3 credit course should be selected from this list.

ETI4186	Applied Reliability	3
ETI4205	Applied Logistics	3
ETI4640	Operations Management	3
ETI4704	Occupational Safety	3
CEN4010	Software Engineering	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
EGN3343	Thermodynamics	3
ETG3907	Directed Study in Industrial Systems	3
	Approved Technical Elective	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
EGN3214	Programming for Engineers	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. 394) for requisite requirements.

Subtotal: 68

ENGINEERING TECHNOLOGY - INDUSTRIAL ENGINEERING TECHNOLOGY CONCENTRATION, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 633500 - Catalog 2025/2026
Nabeel Yousef, Chair, Angela & D.S. Patel School of Engineering, 386-506-4123,
Nabeel.Yousef@daytonastate.edu
Donna Miller, Administrative Assistant, 386-506-4138, Donna.Miller@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 Bachelor of Science in Engineering Technology Industrial Engineering Technology Specialization prepares graduates for technical positions in the expanding fields of industrial operations and manufacturing. The program has a strong commitment to maintain standards of excellence in content and to continuously upgrade curriculum to meet industry needs.

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:

1. Career: Graduates will use their 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 contribute to their profession using 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 understand the ethical, human, and social issues of their field and will be involved members of their local and global communities acting as responsible technical professionals.
4. Life-Long Learning: Graduates will be active contributors to their employer and their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, timeliness, and continued professional development.

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 areas:

1. Systems Thinking: Understanding the big picture of how different components of a system interact and influence one another. Industrial Engineers must be adept at identifying inefficiencies and

devising strategies to streamline operations, reduce costs, and improve quality.

2. **Technical Proficiency:** Have the knowledge of manufacturing processes, product design, ergonomics, and quality control. Familiarity with computer-aided design (CAD) software, statistical analysis tools, and simulation modeling is also crucial.
3. **Quantitative Analysis and Data-Driven Decision Making:** Industrial Engineers must excel in quantitative analysis to support data-driven decision making. This skill set encompasses the ability to collect, process, and interpret data to make informed decisions.
4. **Project Management and Organizational Skills:** Project management is a key competency for Industrial Engineers, who often lead projects aimed at improving efficiency and productivity. This skill involves planning, executing, and overseeing projects from inception to completion.
5. **Communication and Teamwork:** Effective communication and teamwork are indispensable for Industrial Engineers, who frequently work in multidisciplinary teams. This skill type includes the ability to articulate complex ideas clearly, listen actively, and collaborate with colleagues from various backgrounds.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Engineering Technology application to the Admissions Office, the BSET program office, or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts or Science or Applied Science from a regionally accredited institution of higher education,
 - or sixty (60) credits of transferable college-level coursework from a regionally accredited institution
 - including 15 credits of general education courses.
- Complete general education, technical, and prerequisite coursework with a grade "C" or better.
- Successfully complete ENC1101, MAC1105, and PHY2048 (or equivalent or higher).
- Have an overall grade point average of 2.5 or higher.
 - A grade point average between 2.0 and 2.49 may be admitted conditionally with the approval of the Chair of the BSET program.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Undertake and successfully pass:
 - Computer Programming coursework from either of the following two options:
 - EGN3214
 - COP1000 and (COP2800, COP2360, or COP2220)
 - Mathematical coursework from the either of the following two options:
 - Technical Math route - EGN2045 and EGN3046
 - Graduate Studies route - MAC2311C, MAC2312C, MAC2313C, and MAP2302
 - Senior Design courses, ETI4448 and ETG4960C, at Daytona State College.
- Fulfill the 48 credit hours of approved upper-level technical courses, 36 credit hours of General Education, and 44 credit hours of approved lower-level technical coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college-level foreign language.
- Satisfy the College-Level Communication and Computational Skills and the Civic Literacy Competency requirement.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Careers

The occupational outlook for engineering technology is available at <https://www.bls.gov/ooh/field-of-degree/engineering-technologies/engineering-technologies-field-of-degree.htm> Students considering careers in engineering technology should read the information on types of jobs available and salary ranges.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Credit Requirements

General Education	36.00
Lower Level Technical Electives (p. 338)	44.00
BSET Core Program of Study	18.00
BSET- Industrial Engineering Technology Concentration	30.00
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.

BSET Core Program of Study Courses

GEB3213	Business Writing	3
EGN3311	Statics	3
EGN3321	Dynamics	3
EGN3613	Engineering Economics Analysis	3
ETG4950C	Project Management and Senior Design II and Lab	3
ETI4448	Project Management and Senior Design I	3

Subtotal: 18

Industrial Engineering Technology Concentration Courses

ETS4502C	Metrology and Instrumentation and Lab	3
ETI4205	Applied Logistics	3
ETI4186	Applied Reliability	3
ESI4312	Operations Research	3
EIN3314	Work Design and Measurement	3

EGN3214	Programming for Engineers	3
EGN3443	Probability and Statistics for Engineers	3
ETI3116	Engineering Quality Assurance	3
EET3085	Electricity and Electronics Program Elective	3

Subtotal: 30

Program Elective Course (3 credits)

Choose One Course

ETI4704	Occupational Safety	3
CEN4801	Systems Integration	3
ETI4640	Operations Management	3
ETM4220	Energy Systems	3
ETM4331	Applied Fluid Mechanics	3
ETI3421	Materials and Processes	3

SAMPLE PROGRAM OF STUDY

Year 1

1st Semester

GEB3213	Business Writing	3
EGN2045	Engineering and Technology Calculus I	4
ETI3421	Materials and Processes	3
ETI4205	Applied Logistics	3
EET3085	Electricity and Electronics	3

Subtotal: 16

2nd Semester

ETI3116	Engineering Quality Assurance	3
ETG3541	Applied Mechanics and Physics	3
EGN3443	Probability and Statistics for Engineers	3
ETI4640	Operations Management	3
EGN3046	Engineering and Technology Calculus II	3

Subtotal: 15

Year 2

1st Semester

EGN3214	Programming for Engineers	3
EGN3311	Statics	3
EGN3613	Engineering Economics Analysis	3
ETI4186	Applied Reliability	3
ETI4448	Project Management and Senior Design I	3

Subtotal: 15		
2nd Semester		
EGN3321	Dynamics	3
ETG4950C	Project Management and Senior Design II and Lab	3
ETS4502C	Metrology and Instrumentation and Lab	3
ESI4312	Operations Research	3
EIN3314	Work Design and Measurement	3
Subtotal: 15		

Students are strongly encouraged to seek advisement prior to enrolling in courses.

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

Subtotal: 61

EXCEPTIONAL STUDENT EDUCATION K-12, B.S. DEGREE

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 Profession	3
MGF2130	Mathematical Thinking	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
MGF2130	Mathematical Thinking OR	3
EEX2010	Introduction to Special Education Choose One of the	3

Following:		
ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	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
BSC1010 C	General Biology I (For Science Majors) and Lab	4
PET2084	Personal Health and Wellness	3
EDP2002	Educational Psychology Choose One of the Following:	3
REL2300	World Religion	3
WOH201 2	World History Before 1500	3
WOH202 2	World History After 1500	3

2nd Semester		
POS2041	American Federal Government	3
MAE2801	Elementary School Mathematics Elective Choose One of the Following:	2
ARH1000	Art Appreciation	3
MUL1010	Music Appreciation	3
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 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	0
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
RED3012	Principles of Reading OR	3
RED3309	Early and Emergent Reading	3

2nd Semester

EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3
SCE3310	Teaching Science in the Elementary School	3
RED4511	Intermediate Literacy, Reading and Thinking	3
MAE4803	Mathematics Content for Elementary Grades	3
SSE3312	Teaching Social Studies	3
EEX4221	Assessment of Exceptional Education Students	3

Year 4

1st Semester

TSL4081	ESOL Issues and Strategies II	3
EEX4601	Behavior Management	3
RED4519	Diagnosis, Intervention in Reading	3
MAE4803	Mathematics Content for Elementary Grades	3
MAE4326	How Children Learn Mathematics	3
RED4844	Reading Practicum	3

RED4844 is an intensive Reading Practicum that requires departmental consent prior to enrolling.

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 General Knowledge Test (GKT), 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. 394) for requisite requirements.

MATHEMATICS 6-12, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 622300 - Catalog 2025/2026
Donald May, Chair, Education, 386-506-3442, Donald.May@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The Bachelor of Science in Mathematics 6-12 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 6-12.

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 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Education application for Admission to the Admissions Office or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts degree from a regionally accredited institution.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- Complete all college coursework with a minimum 2.5 cumulative grade point average.
- Earn a grade "C" or higher in the following prerequisite courses: EDF1005, EEX2010, MAC2311C (4 credits), MAC2312C (4 credits) and an additional 4 credit math elective (MAS, MTG, or MAC1114 and MAC1140).
- Submit passing score reports for at least 2 of the 4 FTCE General Knowledge Test (GKT) subtests or the FTCE Mathematics 6-12 Subject Area Examination (SAE). Please contact the School of Education at (386) 506-3770 for additional test preparation resources. Click here for more information or to register for the exam.

- Possess 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 or to complete an application at the Raptor Kiosk (if available at the Volusia school site). 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 (386-255-7190 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.

Additional Completion Requirements

- Undertake and pass SLS3355L in their first semester of enrollment.
- Fulfill 36 credit hours of General Education coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Program Credit Requirements

AA Degree	60.00
BSED Program Specific	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	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	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
EEX4601	Behavior Management	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: These courses are prerequisites 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: These courses are prerequisites 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

Choose One of the Following:
ECO2023 Principles of Microeconomics 3
ECO2013 Principles of Macroeconomics 3

Choose One of the Following:
ARH1000 Art Appreciation 3
MUL1010 Music Appreciation 3

MAC2311C: 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

Choose One of the Following:
HUN1201 Human Nutrition 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	0
EDG4323	Professional Teaching Practices	3
TSL3080	ESOL Issues and Strategies I	3
EDF4430	Classroom Assessment	3
EEX4242	Teaching Exceptional Students in Secondary Schools	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
EEX4601	Behavior Management	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 General Knowledge Test (GKT), 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.

NURSING - BSN, B.S. DEGREE

PROGRAM INFORMATION

BS Degree - Code 644100 - Catalog 2025/2026
Nursing Office, 386-506-3250
Linda Miles, Assistant Chair, 386-506-4909,
Linda.Miles@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Allen School of Nursing's RN to BSN Program is to provide an innovative program that promotes excellence in nursing. The program prepares students to exhibit professionalism, ethical behaviors, and competency in meeting the dynamic healthcare needs of individuals across the lifespan, and across healthcare continuums.

The B.S.N. program requires 30 semester hours of general education coursework during the A.S. in Nursing program and 6 semester hours of general education coursework in the B.S.N, meeting the 36 general education credit requirement. There are also an additional 10 semesters hours of general education coursework required to reinforce foundational knowledge needed for the upper-division nursing courses.

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; therefore, licensure as a registered nurse is required prior to acceptance into the

program. 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 (ACEN) 3390 Peachtree Road, NE, Suite 1400, 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 (SACSCOC) to award associate's and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Outcomes:

Graduates of the Bachelor of Science in nursing program will be able to:

1. Knowledge for Practice: The graduate of an RN to BSN nursing program will modify their nursing practice to reflect competencies for nurses prepared at the baccalaureate level.
2. Person-Centered Care: The graduate of an RN to BSN nursing program will formulate the patients plan of care to reflect person-centered interventions that improve outcomes for individuals, groups, and communities.
3. Population Health: The graduate of an RN to BSN nursing program will function within larger interrelated and interconnected systems to improve population health.
4. Scholarship for Nursing: The graduate of an RN to BSN nursing program will appraise empirical evidence derived from research to improve the health of individuals, groups, and communities.
5. Quality and Safety: The graduate of an RN to BSN nursing program will synthesize knowledge of quality improvement and patient safety to improve patient outcomes.
6. Interprofessional Partnerships: The graduate of an RN to BSN nursing program will adapt communication techniques to effectively collaborate with patients, families, and members of the health care team to optimize patient care.
7. System-Based Practice: The graduate of an RN to BSN nursing program will modify the patients plan of care based on systems theory.
8. Informatics and Healthcare Technologies: The graduate of an RN to BSN nursing program will integrate information technology to improve patient outcomes.
9. Professionalism: The graduate of an RN to BSN nursing program will integrate inherent values within their own practice as defined by the ANA Code of Ethics for professional nurses.
10. Personal, Professional and Leadership Development: The graduate of an RN to BSN nursing program will plan patient care across the life span in accordance with leadership and management principles.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Laboratory and Liability Insurance:	\$55.50
Textbook:	\$1,000
Background Check/ Drug Screening/ Document Tracker:	\$100

Additional Admission Requirements

- Submit a Bachelor of Science in Nursing Application for admission in the Admissions Office or online: Apply Now.
- Be at least 18 years of age.
- Possess an unencumbered Nursing License in the state of residence.

- Possess a conferred Associate of Science in Nursing or an equivalent Diploma in Nursing from a regionally accredited program.
- Complete all college coursework with a minimum 2.5 cumulative grade point average.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

After acceptance to the program

- Meet with advising to develop a curriculum plan.

Prior to first practicum

- Provide satisfactory results of a FBI background check consisting of a fingerprint check of state and federal criminal history information.
- Provide a Florida Department of Law Enforcement negative drug screening test report

Prior to graduation

- Conclude the program of study within six semesters.
- Fulfill the 42 credit hours of the Nursing B.S. program required courses, 36 credit hours of General Education, and 42 credit hours of associates-level coursework.
- Undertake and pass 25% of the overall degree requirements, 25% of program-specific courses, and 25% of the upper-level program-specific credits at Daytona State College.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Satisfy the College-Level Communication and Computational Skills and the Civic Literacy Competency requirement.
- Earn a grade "C" or better in all program specific, elective, and prerequisite courses.
- Adhere to the policies and procedures of the nursing program as outlined in the nursing student policy handbook, as well as the college student handbook.
- Meet all other Daytona State graduation policies and deadlines.

Program Credit Requirements

General Education

36.00

Associate Degree	42.00
BS Nursing Major Program Specific	32.00
BS Nursing Additional Requirements	10.00
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
	Social Sciences Core -	3
	Civic Literacy (AMH2010, AMH2020 or POS2041)	

Social Sciences Core: Civic Literacy-Students must also pass the Florida Civic Literacy Examination (FCLE) prior to graduating.

3rd Semester

	Humanities Core	3
NUR3145	Pharmacology	2
NUR3655	Nursing in a Multicultural Society	3
NUR4837	Health Care Policy and Economics	3

Humanities Core: It is recommended that students take a Humanities course with the Cultural/Global designation for this requirement, unless a Cultural/Global course has already been passed.

NUR3655: This course meets the Cultural/Global focus designation.

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. 394) for requisite requirements.

PHYSICS 6-12, B.S. DEGREE**PROGRAM INFORMATION**

BS Degree - Code 622500 - Catalog 2025/2026
Donald May, Chair, Education, 386-506-3442, Donald.May@daytonastate.edu

Program Mission, Description, and Outcomes**Mission:**

The Bachelor of Science in Physics 6-12 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 Physics 6-12.

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 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

- Submit a Bachelor of Science in Education application for Admission to the Admissions Office or online through <https://www.daytonastate.edu>.
- Possess a conferred Associate of Arts degree from a regionally accredited institution.
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm
- Complete all college coursework with a minimum 2.5 cumulative grade point average.
- Earn a grade "C" or higher in the following prerequisite courses: EDF1005, EEX2010, MAC2311C (4 credits), MAC2312C (4 credits), MAC2313C (4 credits), PHY2048C and PHY2049C, and CHM1045C and CHM1046C.
- Submit passing score reports for at least 2 of the 4 FTCE General Knowledge Test (GKT) subtests or the FTCE Physics 6-12 Subject Area Examination (SAE). Please contact the School of Education at (386) 506-3770 for additional test preparation resources. Click here for more information or to register for the exam.

- Possess 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 or to complete an application at the Raptor Kiosk (if available at the Volusia school site). 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 (386-255-7190 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.

Additional Completion Requirements

- Undertake and pass SLS3355L in their first semester of enrollment.
- Fulfill 36 credit hours of General Education coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Earn a grade "C" or better in all program specific and prerequisite courses.

Program Credit Requirements

AA Degree	60.00
BSED Program Specific	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	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	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
EEX4601	Behavior Management	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	1
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: These courses are prerequisites 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: These courses are prerequisites 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
Choose One of the Following:		
ECO2013	Principles of Macroeconomics	3
ECO2023	Principles of Microeconomics	3
Choose One of the Following:		
ARH1000	Art Appreciation	3
MUL1010	Music Appreciation	3
PHY2048C, MAC2313C: These courses are prerequisites for admission into the program. All prerequisite courses require a grade of "C" or higher.		

2nd Semester

EEX2010	Introduction to Special Education	3
PHY2049C	Physics with Calculus II and Lab	5
GEO2000	World Geography	3
EEX2010 and PHY2049C: These courses are prerequisites 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	0
TSL3080	ESOL Issues and Strategies I	3
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
MAP2302C	Differential Equations and Lab	3
EEX4242	Teaching Exceptional Students in Secondary Schools	3

2nd Semester

TSL4081	ESOL Issues and Strategies II	3
PHY3101	Modern Physics	3
EME3434	Integrating Technology into Math and Science	3
EEX4601	Behavior Management	3
RED3012	Principles of Reading	3
EDF4603	Critical Issues in Classroom Management, Ethics, Law and Safety	3

Year 4**1st Semester**

PHY2905	Directed Study in Physics	1
PHY3513	Thermal Physics (Thermodynamics and Elementary Statistical Mechanics)	3
PHY3221	Classical Mechanics	3
SMT4301	Classroom Interaction in Math and Science Teaching	3
PHY4424	Geometrical and Physical Optics	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 General Knowledge Test (GKT), 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.

RADIOLOGIC AND IMAGING SCIENCE, B.S. DEGREE

PROGRAM INFORMATION

This program is anticipated to launch in Spring 2026, pending State Board of Education and SACSCOC approval.

BS Degree - Code 660100 - Catalog 2025/2026
Dee Vanlandingham, Assistant Chair, 386-506-3399,
Dee.Vanlandingham@daytonastate.edu

Melissa Brown-Mack, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Bachelor of Radiologic and Imaging Science program is to enhance the imaging professional's ability to function in a diverse healthcare environment. Focusing on concentrations such as computed tomography (CT) and leadership, the program will provide extensive education to meet the needs of the medical imaging community through an advanced academic curriculum.

Description:

The Daytona State College B.S. in Radiologic and Imaging Sciences (BSRIS) degree program is designed specifically to meet the needs of practicing imaging professionals who wish to obtain advanced training in the field. Applicants must hold an Associate of Science (A.S.) or Associate of Applied Science (A.A.S.) degree from a Joint Review Committee on Education in Radiologic Technology (JRCERT) or Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited institution to be admitted to the program. They must also have current eligible professional credentials from the American Registry of Radiologic Technologists (ARRT), American Registry of Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) to complete the program.

Degree Concentrations: Applicants to the BSRIS program will need to declare a concentration of either: Leadership or Computed Tomography.

- Leadership - completely online.
- Computed Tomography - predominantly online with a clinical practicum course.

Program Accreditation: The Radiologic and Imaging Science program, B.S. program is planned to be accredited by the by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Dr., Suite 2850, Chicago, IL 60606-3182. Phone: (312) 704-5300 Fax: (312) 704-5304 and Website: Joint Review Committee, mail@jrcert.org and www.jrcert.org. Accreditation promotes excellence in education and elevates the quality and safety of patient care in imaging sciences.

College Accreditation: This program is currently Daytona State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associates and baccalaureate degrees. Daytona

State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Outcomes:

Graduates of the Bachelor of Radiologic and Imaging Science program will be able to:

1. Demonstrate a mastery of basic radiographic and advanced medical imaging skills.
2. Demonstrate effective communication skills that provide compassionate, culturally competent, and age-appropriate patient care.
3. Demonstrate problem-solving/critical-thinking skills that provide ethical and safe patient care.
4. Demonstrate the value of professional development for patient care and medical imaging through lifelong learning that meets the needs of the medical imaging community

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Additional Admission Requirements

This is a limited access program.

- Submit a Bachelor of Radiologic and Imaging Science Application for admission in the Admissions Office or online: Apply Now.
- Possess a conferred Associate of Science (A.S.) or Associate of Applied Science (A.A.S.) degree from a Joint Review Committee on Education in Radiologic Technology (JRCERT) or Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited institution to be admitted to the program.

- Possess an eligible degree from a regionally accredited institution and a current eligible professional credential from ARRT, ARDMS, or NMTCB.
- Complete all college coursework with a minimum 2.5 cumulative grade point average with minimum grades of "C" in the prerequisite coursework.
- Have a minimum of 48 accepted credits including the following General Education prerequisite coursework:
 - ENC1101 Introduction to Composition
 - MAC1105 College Algebra
 - BSC1085C Anatomy & Physiology I
 - BSC1086C Anatomy & Physiology II
- Provide an official transcript from all previous institutions attended. International students must have their transcripts evaluated by a member of the National Association of Credential Evaluation Services (NACES) naces.org/members.htm

Additional Completion Requirements

- Conclude the program of study within six semesters.
- Fulfill the 42 credit hours of the Radiologic and Imaging Science B.S. program required courses, 36 credit hours of General Education, and 48 credit hours of associates-level coursework.
- Conclude two years of the same foreign language in high school or two semesters of the same college level foreign language.
- Satisfy the College-Level Communication and Computational Skills and the Civic Literacy Competency requirement.
- Earn a grade "C" or better in all program specific, elective, and prerequisite courses.
- Adhere to the policies and procedures of the nursing program as outlined in the nursing student policy handbook, as well as the college student handbook.
- Meet all other Daytona State graduation policies and deadlines.

Program Credit Requirements

General Education	36.00
Associate Degree	48.00
BSRIS Core Program of Study	27.00

BRIS Concentration	15.00
TOTAL ...	126.00

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

RTE3213	Radiology Information Systems	3
HSC3730	Research Methods for Health Professions	3
RTE4574	Advanced Imaging Modalities	3
HSC4550	Pathophysiology for Health Care	3
HSC4645	Legal and Ethical Aspects of Health Care	3
HSA3101	U.S. Healthcare Systems	3
HSA4107	Health Services Administration	3
RTE3253	Teaching in the Health Profession	3
	Elective	3
Subtotal: 27		

Concentration: Leadership

HSA4107	Health Services Administration	3
RTE4474	Quality Management in Imaging	3
HSA4340	Principles of Human Resources Management	3
HSA4353	Organizational Behavior	3
HSA4502	Health Care Risk Management	3
Subtotal: 15		

Concentration: Computed Tomography

RTE3116	Advanced Patient Care	3
RTE3765	Anatomy for the Medical Imager	3
RTE3590	Computed Tomography	3
RTE4474	Quality Management in Imaging	3
RTE4942L	CT Practicum	3

Subtotal: 15

Electives

Select one course that is not required in your chosen concentration.

HSA4170	Healthcare Revenue Cycle Management	3
HSA4340	Principles of Human Resources Management	3
HSA4353	Organizational Behavior	3
HSA4502	Health Care Risk Management	3
RTE3116	Advanced Patient Care	3
RTE3765	Anatomy for the Medical Imager	3
HSA4383	Quality Management and Process Improvement	3
RTE4474	Quality Management in Imaging	3

Sample Program of Study

1st Semester

	Communication Core	3
	Mathematics	3
RTE3213	Radiology Information Systems	3
HSC3730	Research Methods for Health Professions	3
RTE4574	Advanced Imaging Modalities	3

Subtotal: 15

2nd Semester

	Social Sciences Core - Civic Literacy (AMH2010, AMH2020 or POS2041)	3
	Mathematics Core	3
HSC4550	Pathophysiology for Health Care	3
HSC4645	Legal and Ethical Aspects of Health Care	3
HSA3101	U.S. Healthcare Systems	3

Subtotal: 15

Social Sciences Core: Civic Literacy-Students must also pass the Florida Civic Literacy Examination (FCLE) prior to graduating.

3rd Semester

	Humanities Core	3
	Natural Sciences Core	3
HSA4107	HealthServices Administration	3
RTE3253	Teaching in the Health Profession Concentration	3

Subtotal: 15

Humanities Core: It is recommended that students take a Humanities course with the Cultural/Global designation for this requirement, unless a Cultural/Global course has already been passed. *NUR3655:* This course meets the Cultural/Global focus designation.

4th Semester

	Concentration	3
	Concentration	3
	Concentration	3
	Concentration	3
	Elective	3

Subtotal: 15

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

EPI**EDUCATOR PREPARATION INSTITUTE****PROGRAM INFORMATION**

EPI - Code 800800 - Catalog 2025/2026
 Donald May, Chair, Education, 386-506-3442, Donald.May@daytonastate.edu
 Ana Blaine, EPI Ombudsperson, 386-506-3188, Ana.Blaine@daytonastate.edu

Program Mission, Description, and Outcomes**Mission:**

Mission Statement: The Educator Preparation Institute offers an alternative pathway to teacher certification for mid-career professionals and college graduates outside the education field. Our program cultivates highly qualified, state-certified teachers prepared to excel in a variety of K-12 settings. We prioritize ethics in education, emphasize student excellence, and enrich teaching and learning through innovative instructional methods, ensuring effective teaching practices are central to our mission.

Description:

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. The EPI certificate program at DSC offers candidates who successfully complete the seven courses in EPI (with associated fieldwork), program requirements, and all portions of the Florida Teacher Certification Exams (FTCE) eligibility to receive a five-year Professional Educator's Certificate.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available see the Office of Financial Aid webpage at <https://www.daytonastate.edu/financial-aid/>. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: <https://www.daytonastate.edu/scholarships/>.

Approximate Costs

Program Tuition and Fees*:	\$2,523
Access Fee:	\$24.36
Assessment Fee:	\$34

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

Additional Admission Requirements

- Applicants must hold a Baccalaureate degree from an accredited institution with a minimum overall grade point average of 2.5.
- Posses Volusia County Schools Volunteer clearance:

- Complete the Volunteer Online Application on the VCS Volunteer/Partnership Program's website at: Volusia County Schools Volunteer
 - For questions, please contact Ashorda Foley (386-255-7190 x 38379).
- Email employment verification directly from the HR office to admissions@daytonastate.edu.
- Submit an application to Daytona State College Admissions
- Submit an EPI application and current resume to the School of Education.
- Submit 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

SLS3355L	Orientation to Education Programs Lab	0
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
	Choose One of the Following:	
RED3012	Principles of Reading	3
RED3309	Early and Emergent Reading	3
	Choose One of the Following:	
EEX4601	Behavior Management	3
RED4519	Diagnosis, Intervention in Reading	3
	Choose One of the Following:	
EPI0940	Field Experience I (Professional Foundations)	3
RED4844	Reading Practicum	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, RED4519 and TSL3080- Denotes 15-hour field experience requirement in a Volusia or Flagler County public school.

EDF4603 - Offered in Fall, Spring, or Summer.

RED4519 - Required for EPI program candidates beginning in Spring 2020 working towards certification in Elementary K-6, Exceptional Student Education, Middle Grades English, English, ESOL, or PreK-Primary Education. This course is also required for candidates completing the Reading Endorsement track.

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.

RED4844 - Required for EPI program candidates beginning in Fall 2022 working toward certification in Elementary K-6, Exceptional Student Education, Middle Grades English, English, ESOL, or PreK-Primary Education. This is an intensive Reading Practicum that requires departmental consent prior to enrolling. This course serves as the culminating program field experience. 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. This course is also required for candidates completing the Reading Endorsement track.

*A highly effective rating on the most recent summative (final) teaching evaluation can be used in lieu of passing the Ped.

**Concordant GRE scores or a master's degree from an accredited institution can be used in lieu of passing the GKT.

SAMPLE PROGRAM OF STUDY

1st Semester		
SLS3355L	Orientation to Education Programs Lab	0
EDG4323	Professional Teaching Practices	3
EDF4430	Classroom Assessment	3
TSL3080	ESOL Issues and	3

	Strategies I	
	Choose One of the	
	Following:	
RED3012	Principles of Reading	3
RED3309	Early and Emergent Reading	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
	Choose One of the	
	Following:	
EEX4601	Behavior Management	3
RED4519	Diagnosis, Intervention in Reading	3
	Choose One of the	
	Following:	
EPI0940	Field Experience I (Professional Foundations)	3
RED4844	Reading Practicum	3

Subtotal: 9

RED4519 - Required for EPI program candidates beginning in Spring 2020 working towards certification in Elementary K-6, Exceptional Student Education, Middle Grades English, English, ESOL, or PreK-Primary Education. This course is also required for candidates completing the Reading Endorsement track.

EPI0940 - This course is the culminating program field experience and requires 45 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.

RED4844 – Required for EPI program candidates beginning in Fall 2022 working toward certification in

Elementary K-6, Exceptional Student Education, Middle Grades English, English, ESOL, or PreK-Primary Education. This is an intensive Reading Practicum that requires departmental consent prior to enrolling. This course serves as the culminating program field experience. 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. This course is also required for candidates completing the Reading Endorsement track.

*A highly effective rating on the most recent summative (final) teaching evaluation can be used in lieu of passing the PEd.

**Concordant GRE scores or a master's degree from an accredited institution can be used in lieu of passing the GKT.

Subtotal: 21

Vocational Certificate**ADVANCED WELDING (LIMITED ACCESS PROGRAM), VOCATIONAL CERTIFICATE****PROGRAM INFORMATION**

Vocational Certificate - Code 121200 - 2025/2026

Mark Albergo, Advanced Welding Instructor, 386-506-3751, mark_albergo@daytonastate.edu

Bree Castelli, Director of Workforce, 386-506-4171, Bree.Castelli@daytonastate.edu

Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@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

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$2,056
Access Fee:	\$29
Assessment Fee:	\$34
Lab Fees:	\$3,500
Textbook Estimate:	\$350

Graduation Fee

\$20

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

Additional Admission Requirements

- Have a standard high school diploma or GED
 - Or meet the following criteria for alternative eligibility:
 - Have employment experience the welding field
 - Acquired outside AWS certification in at least AWS D1.1 structural steel 3-G
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption criteria).
- Meet with a counselor/advisor for the following:
 - Placement test evaluation
 - Exemption criteria
 - Course selection and registration
- Have one of the following certificates:
 - Welding Technology - Applied, Vocational Certificate (p. 391)
 - 3-G Structural Certification

Additional Completion Requirements

- Take PMT0077C Advanced Welder 1A as the first course.
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption 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 rate (2021-22) for this field is 73%.

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?opt=status=011000000&soccode=514121&id=1&nodeid=2&stfips=12&search=Go.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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.

ADVANCED MACHINING TECHNOLOGIES, VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 121600 - Catalog 2025/2026

Bree Castelli, Director of Workforce, 386-506-4171, Bree.Castelli@daytonastate.edu

David Castello, Assistant Chair, 386-506-4172, David.Castello@daytonastate.edu

Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Machining Technologies 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 and statewide manufacturing market.

Description:

The program provides students with a broad foundation of knowledge and skills to prepare students for employment in machining positions. The instruction covers lathe and mill operations, proper care and use of measuring tools, CNC programming and operations, CAD/CAM programming, electrical discharge machine (EDM) operation, multi-axis machining 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.
6. Demonstrate an understanding of graphic design by generating and interpreting computer-aided drawings.
7. Perform advanced milling and lathe operations.
8. Operate and set up electrical discharge machine (EDM).

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$4,112
Access Fee:	\$58 (\$1.16 per credit)
Assessment Fee:	\$34
Lab Fees:	\$692.55
Textbook Estimate:	\$300

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

Additional Admission Requirements

This is the advanced Machining Technologies program.

- Complete the CNC Machining, Vocational Certificate (p. 367) program.
- Meet with a counselor/advisor for the following:
 - Placement test evaluation
 - Exemption criteria
 - Course selection and registration

Additional Completion Requirements

- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption 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:

51-4041
Machinists <https://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>

51-4035 Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic <https://www.onetonline.org/link/summary/51-4035.00>

Program Length: The typical length of this program is five (5) semesters (75 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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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
PMT0265C	CNC Multi-Axis and Lab	280
PMT0290	Cooperative Education Experience in Machining	80
TDR0304C	Computer Aided Drafting (CAD) and Lab	130
PMT0215C	Manual Machining and Lab	280
PMT0228C	Electrical Discharge Machining (EDM) and Lab	130

SAMPLE PROGRAM OF STUDY

1st Semester (Term A)

PMT0202C	Introduction to Machining and Lab	150

1st Semester (Term B)

PMT0251C	CNC Mill and Lab	150

2nd Semester (Term A)

PMT0720C	CNC Lathe and Lab	150

2nd Semester (Term B)

PMT0260C	CAD/CAM Programming and Lab	150

3rd Semester

PMT0265C	CNC Multi-Axis and Lab	280
PMT0290	Cooperative Education Experience in Machining	80

4th Semester

TDR0304C	Computer Aided Drafting (CAD) and Lab	130
PMT0228C	Electrical Discharge Machining (EDM) and Lab	130

5th Semester

PMT0215C	Manual Machining and Lab	280

TOTAL	VOC. HRS.	50.00

TOTAL	CONTACT HRS.	1500.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

AUTOMOTIVE COLLISION REPAIR AND REFINISHING, VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 121100 - Catalog 2025/2026

Bree Castelli, Director of Workforce, 386-506-4171,

Bree.Castelli@daytonastate.edu

Ron Lenz, Faculty Instructor, 386-506-4169,

Ronald.Lenz@Daytonastate.edu

Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@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 vehicle construction and technology of today's vehicles change, so do the skills and knowledge 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 vehicles 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 (SACSCOC) to award associates and bachelor's degrees. Degree-granting institutions also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*: \$3,166

Access Fee: \$44.66 (\$1.16 per credit)

Assessment Fee: \$34

Lab Fees: \$1,995.35 - \$2,322.13

Textbook Estimate: Textbook Estimate: Consult college bookstore for approximate costs of textbooks.

Tool and Uniform Estimate: \$300

Graduation Fee \$20

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

Additional Admission Requirements

- Applicants must meet with a counselor/advisor for the following:
 - Placement test evaluation
 - Exemption criteria
 - Course selection and registration

Additional Completion Requirements

- Take ARR0121C (Introduction to Refinishing and Lab), ARR0241C (Introduction to Collision Repair and Lab), and ARR0381C (Introduction to Unibody and Frame Lab) as a newly admitted student in the first semester.
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption 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:

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 (60 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2018-19) for this field at 60%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

ARR0121C Introduction to

120

ARR0122C	Refinishing and Lab Intermediate Refinishing and Lab	120
ARR0123C	Advanced Refinishing and Lab	120
ARR0241C	Introduction to Collision Repair and Lab	120
ARR0242C	Intermediate Collision Repair and Lab	120
ARR0243C	Advanced Collision Repair and Lab	120
ARR0381C	Introduction to Unibody and Frame and Lab	120
ARR0382C	Intermediate Unibody and Frame and Lab	120
ARR0021	Automotive Collision Estimating Choose One of the Following:	75
ARR0244C	Advanced Overview of Collision and Refinishing and Lab	120
ARR0949	Cooperative Education Experience in Automotive Body Repair and Refinishing	30

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	Intermediate Refinishing and Lab	120
ARR0242C	Intermediate Collision Repair and Lab	120
ARR0382C	Intermediate Unibody and Frame and Lab	120

3rd Semester

ARR0123C	Advanced Refinishing and Lab	120
ARR0243C	Advanced Collision Repair and Lab	120
ARR0021	Automotive Collision Estimating Choose One of the Following:	75

ARR0244C	Advanced Overview of Collision and Refinishing and Lab	120
ARR0949	Cooperative Education Experience in Automotive Body Repair and Refinishing	30
TOTAL	Vocational Hours	38.50
TOTAL	Contact Hours	1155.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

AUTOMOTIVE SERVICE TECHNOLOGY, VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 120100 - Catalog 2025/2026

Bree Castelli, Director of Workforce, 386-506-4171, Bree.Castelli@daytonastate.edu
Casey Knecht, Assistant Chair, 386-506-4178, Casey.Knecht@DaytonaState.edu
Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@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 (SACSCOC) to award associates and bachelor's degrees. Degree-granting institutions also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

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 state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$4,934
Access Fee:	\$69.60 (\$1.16 per credit)
Assessment Fee:	\$34

Lab Fees:	\$1,189.75
Uniforms and Safety Glasses	Contact the assistant chair for this cost.

Graduation Fee:	\$20

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

Additional Admission Requirements

- Applicants must meet with a counselor/advisor for the following:
 - Placement test evaluation
 - Exemption criteria
 - Course selection and registration

Additional Completion Requirements

•

Take either AER0014C Automotive Service Assistor and Lab or AER0360C Electricity/Electronics Fundamentals and Lab as a newly admitted student for the first course.

- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption 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:

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 (2021-22) for this field at 78%.

CIP Code (6 digit): 47.0604 Automobile/Automotive Mechanics 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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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	150

AER0453C	Lab 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. 394) 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 121800 - Catalog 2025/2026

Bree Castelli, Director of Workforce and Interim Chair, 386-506-4171,

Bree.Castelli@daytonastate.edu

Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@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 900 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 state Bright Futures Scholarship Program.

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/scholarships/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$2,467.20
Access Fee:	\$34.80 (\$1.16 per credit)
Assessment Fee:	\$34
Lab Fees:	\$919.86
Additional Supplies:	\$400
Textbook Estimate (new):	\$600

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

Additional Admission Requirements

- Meet with a counselor/advisor for the following:
 - Placement test evaluation

- Exemption criteria
- Course selection and registration

Additional Completion Requirements

- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption 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:

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 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.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

COS0013L	Barbering I Lab	225
COS0512L	Barbering II Lab	225

COS0561L	Barbering III Lab	225
COS0571L	Barbering IV Lab	225

Specialization

CSP0003L	Cosmetology Bridge Lab - Introduction to Cosmetology	240

CSP0003L: To be eligible for this course, you must already possess a valid Barber license.

SAMPLE PROGRAM OF STUDY**1st Semester**

COS0013L	Barbering I Lab	225
COS0512L	Barbering II Lab	225

2nd Semester

COS0561L	Barbering III Lab	225
COS0571L	Barbering IV Lab	225
TOTAL	VOC. HRS.	30.00
TOTAL	CONTACT HRS.	900.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

BUILDING TRADES AND CONSTRUCTION DESIGN TECHNOLOGY, VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 120900 - Catalog 2025/2026

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Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@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.
5. Gain an understanding of the International Residential Code (IRC) Building Code.

Financial Aid

Financing Options: All students are encouraged to apply for federal and state student financial assistance by visiting FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$2,467
Access Fee:	\$34.80 (\$1.16 per credit)
Assessment Fee:	\$34
Lab Fees:	\$439.75
Textbook Estimate:	\$250

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

Additional Admission Requirements

- Meet with a counselor/advisor for the following:
 - Placement test evaluation
 - Exemption criteria
 - Course selection and registration

Additional Completion Requirements

- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption 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:

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 (2020-21) for this field at 88%.

CIP Code (6 digit): 46.0415

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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

SAMPLE PROGRAM OF STUDY

1st Semester		
BCV0080L	Building Construction Assistant I Lab	375
BCV0084L	Building Construction Assistant II Lab	75
2nd Semester		
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 2025/2026

Bree Castelli, Director of Workforce, 386-506-4171, Bree.Castelli@daytonastate.edu
 David Castello, Assistant Chair, 386-506-4172, David.Castello@Daytonastate.edu
 Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,644.80
Access Fee:	\$23.20 (\$1.16 per credit)
Assessment Fee:	\$34

Lab Fees: \$456

Textbook Estimate: \$200

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

Additional Admission Requirements

- Have a standard high school diploma or GED
 - Or meet the following criteria for alternative eligibility:
 - achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) English and Math
 - meet with a counselor/advisor for placement test evaluation, course selection, and registration

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>

51-4011.00 Computer-Controlled Machine Tool Operators, Metal and Plastic <https://www.onetonline.org/link/summary/51-4011.00>

51-4012.00 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 (2018-19) for this field is 63%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview.

For questions, please email Career Services to connect with a 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 (Term A)

PMT0202C	Introduction to Machining and Lab	150

1st Semester (Term B)

PMT0251C	CNC Mill and Lab	150

2nd Semester (Term A)

PMT0720C	CNC Lathe and Lab	150

2nd Semester (Term B)

PMT0260C	CAD/CAM Programming and Lab	150

TOTAL	VOC. HRS.	20.00

TOTAL	CONTACT HRS.	600.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

CORRECTIONAL OFFICER RECRUIT TRAINING (LIMITED ACCESS PROGRAM), VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 105000 - Catalog 2024/2025

John Alvinez, Staff Assistant, 386-506-4204, John.Alvinez@daytonastate.edu
 Blake Sydeski, Program Manager, 386-506-4113, Blake.Sydeski@daytonastate.edu
 Evan Doyle, Director, 386-506-4201, Evan.Doyle@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 please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$1,151
Access Fee:	\$16.24 (\$1.16 per credit)
Assessment Fee:	\$34 (First Semester Only)
Lab Fees:	\$298
FDLE BAT Exam:	\$40
Physical Exam:	\$150 to \$250
Textbooks/Equipment/Uniforms:	\$500
Graduation Fee:	\$20

State Exam: \$100

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

Additional Admission Requirements

- Be a citizen of the United States.
- Have a standard high school diploma or GED.
- Be at least 18 years of age prior to graduation of program.
 - Complete the Florida Department of Law Enforcement Basic Abilities Test (FDLEBAT) with a minimum score of 70%.
 - Attend the Criminal Justice Training Center Orientation.
 - Provide satisfactory results of a Florida Department of Law Enforcement and FBI background check.
- Able to meet minimum standards for certification as a correctional officer as set forth in Florida Statute 943.
 - Have not been convicted of any felony, or of a misdemeanor involving perjury or false statement.
 - Have not pled guilty or nolo-contendere to, or is found guilty of a felony or of a misdemeanor involving perjury or false statement, notwithstanding suspension of sentence or withholding of adjudication, if born after July 1, 1981.
- Have not received a dishonorable discharge from any of the Armed Forces of the United States.
 - Be of good moral character.
 - Possess a valid driver's license.
- Able to pass a physical examination by a licensed physician, including an EKG and drug screen.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific courses.
 - Complete a Criminal Justice Training Center Application for continuing enrollment.
 - Wear the uniform when applicable.
 - Adhere to 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: <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 (2021-22) for this field at 100%.

CIP Code (6 digit) - 43.0102

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

CJK0301	Introduction to Corrections	32
CJK0355	Legal for Correctional Officers	22
CJK0306	Communication for Correctional	32
CJK0111	Interviewing and Report Writing in Corrections	16
CJK0327	Shift Management and Safety	20
CJK0321	Intake and Release	16
CJK0324	Supervision in a Correctional Facility	32
CJK0326	Supervising Correctional Populations	25
CJK0336	Incidents and Emergencies in Correctional Facilities	20
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. 394) for requisite requirements.

COSMETOLOGY, VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 108400 - Catalog
2025/2026

Bree Castelli, Director of Workforce and Interim
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Krissy Blackwelder, Deltona Campus, 386-789-
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Program Mission, Description, and Outcomes

Mission:

The mission of the Cosmetology program is to prepare students for a career in the field of hair, skin and nails through the fundamental concepts and techniques. We encourage our students to develop their creative potential to be successful in their chosen field.

Description:

The program provides the student with the technical knowledge and skills necessary for entry-level employment in the cosmetology field. The curriculum incorporates the industry's most advanced training and educational systems. Students learn state of the art techniques for cutting, styling, creative hair coloring, skin care treatment and much more. Specialized classroom activities include intensive studies of cosmetology law, ethics, cosmetic chemistry, hair styling, manicure/pedicure, salon management and other information related to the occupation. Skill and technical knowledge are acquired through planned, supervised lab activities. Students use hair mannequins to perform initial exercises and perform cosmetic services upon clients in the college salon.

Outcomes:

Graduates of the program will be able to:

1. 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 Department of Business and Professional Regulations.

5. 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 visiting FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$3,290
Access Fee:	\$46.40 (\$1.16 per credit)
Assessment Fee:	\$34
Lab Fees:	\$949.93
Additional Supplies	\$400
Textbook Estimate (new):	\$600

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

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet

exemption requirements (See an Academic Advisor for exemption criteria).

- Meet with a counselor/advisor for placement test evaluation or exemption criteria, course selection, and registration.

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 (2021-22) for this field at 45%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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

Specialization

COS0562L Barbering Lab Bridge: 225
Shaves/Beards/Mustaches

COS0562L: To be eligible for this course, you must already possess a valid Cosmetology license.

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. 394) for requisite requirements.

DENTAL ASSISTING (LIMITED ACCESS PROGRAM), VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 104800 - Catalog 2025/2026

Leslie Fehl, Assistant Chair, 386-506-3758, Leslie.Fehl@daytonastate.edu
Melissa Brown-Mack, Advisor, 386-506-3052, Melissa.Brown-Mack@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 procedures and utilize practice management procedures and systems. 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 (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

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 the use of practice management procedures and systems.
4. Execute radiation safety measures, take diagnostic acceptable images on patients, and produce x-rays using various imagery techniques on a variety of patients.
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 visiting FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$4,107
Access Fee:	\$60.16 (\$1.28 per credit)
Assessment Fee:	\$34
Lab Fees (including liability insurance):	\$510
Textbook Estimate:	\$300
Uniforms and Lab Supplies:	\$580
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.

- Have a standard high school diploma or GED
- Be at least 18 years of age.
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment

System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption criteria).

- Meet with a counselor/advisor for the following:
 - Placement test evaluation
 - Exemption criteria
 - Course selection and registration
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
 - This must be completed prior to the first day of program specific courses (Summer Semester Term B).
- Complete and submit a physical examination by a licensed physician, including the following required immunizations and exam:
 - tetanus-diphtheria, measles, mumps, rubella, varicella, and hepatitis B, and
 - a negative PPD test (or chest x-ray if indicated) for tuberculosis
- Possess 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 prior to the start of Fall semester.
- Successful completion of the following courses if not previously taken in high school:
 - SPC2608 Oral Communications/Research/Presentation Skills or OST1330 Business English.
 - basic computer skills
 - medical terminology
 - general biology or anatomy and physiology

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selection process. Student selection for *continuing* enrollment is made once a year and based on specific admission criteria and a points system. Students with higher cumulative GPAs and successful completion of all corequisite courses will be considered more favorably. f

- Earn a cumulative grade point average of 2.0 or better.

- Complete a minimum of eight (8) observation hours of a dental assistant in a general dentistry facility prior to submitting an application for *continuing* enrollment.
- Submit a completed School of Dental Sciences application for *continuing* enrollment to the Academic Advisor in the College of Health and Public Services.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements to graduate from this program (See an Academic Advisor for more information).
- Adhere to the policy and procedures of the Dental Assisting Program as outlined in the Dental Assisting Student Policy Handbook, as well as the College Student Handbook.

Careers

The following information is required by federal regulations to be provided to students for all vocational and certificate programs. Additional information on any career, job, or salary potential can be found at <http://www.onetonline.org>. 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 (2021-22) for this field at 91%.

CIP Code (6 digit) - 51.0601

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

ENC1101	Introduction to Composition	3
	OR	
OST1330	Business English	3
PSY1012	General Psychology	3

SLS1122	Managing Your Success	3
SPC2608	Oral Communications/Research/Presentation Skills	3
DEA0000	Introduction to Dental Assisting	30
DEA0020	Chairside Assisting I and Lab	10
C		5
DEA0130	Biomedical Science	60
DEA0801	Chairside Assisting II and Lab	10
C		5
DEA0850	Externship I	24
L		0
DEA0851	Externship II	24
L		0
DES0002	Dental Anatomy and Physiology	30
DES0103	Dental Materials and Laboratory Procedures	90
C		
DES0205	Dental Radiology and Lab	90
C		
DES0501	Practice Management	30
DES0844	Preventive Dentistry and Nutrition	30
ENC1101: Prior to enrollment in college-level English, some students may be advised to complete college preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.>		

SPC2608: OST1330 may be used to satisfy the prerequisite requirement for SPC2608 in this program.

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

ENC1101	Introduction to Composition OR	3
OST1330	Business English	3
PSY1012	General Psychology	3
DEA0020C	Chairside Assisting I and Lab	105
DES0103C	Dental Materials and Laboratory Procedures	90
DES0205C	Dental Radiology and Lab	90

ENC1101: Prior to enrollment in college-level English, some students may be advised to complete college

preparatory/developmental course work. See an Academic Advisor to determine developmental course requirements.

Spring Semester

SPC2608	Oral Communications/Research/Presentation Skills	3
DEA0130	Biomedical Science	60
DEA0801	Chairside Assisting II and Lab	10
C		5
DEA0850	Externship I	24
L		0
DES0501	Practice Management	30
DES0844	Preventive Dentistry and Nutrition	30
SPC2608: OST1330 may be used to satisfy the prerequisite requirement for SPC2608 in this program.		

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. 394) for requisite requirements.

EARLY CHILDHOOD EDUCATION, VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 121500 - Catalog 2025/202

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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, vocational certificate program is designed to prepare graduates for employment as a volunteer prekindergarten (VPK)

instructor during the school year. During the program's four courses 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 a childcare center.

This program meets the Florida Department of Child and Families (DCF) training requirements for child care personnel/ preschool teachers. Students who complete the entire program and meet all requirements as outlined in the Requirement Checklist for Students can be awarded the Early Childhood Professional Certificate (ECPC). The ECPC is a preschool specialization issued by the Florida Department of Education (FDOE) and approved by the DCF as meeting the Staff Credential requirement. Per Section 402.305(3), F.S. licensed child care facilities must

have one credentialed staff member for every 20 children. The ECPC is also one of the acceptable minimum credentials for employment as a VPK instructor. Additional requirements and information can be found at http://www.floridaearlylearning.com/voluntary_pre_k_a_spx. Additionally, the ECPC is aligned with the National Child Development Associate (CDA). Students who earn the ECPC may earn the National CDA, if they choose to by completing additional requirements and fee payment (<http://www.cdacouncil.org>).

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. Upon completion of the program, graduates can apply their credits (9 semester hours) toward an associate of science degree in Early Childhood Education.

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 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: <https://www.daytonastate.edu/scholarships/>.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$1,644.80
Access Fee:	\$23.20 (\$1.16 per credit)
Assessment Fee:	\$34
DCF 45-hour Training Testing:	\$120

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

Additional Admission Requirements

- Applicants must be 17 years of age or older.
- High school transcripts or GED report.
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) English and Math skills.
- Applicants must meet with a counselor/advisor for the following:
 - Placement test evaluation
 - Exemption criteria
 - Course selection and registration

Additional Completion Requirements

- Students must take the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills and achieve specified minimum scores or meet exemption requirements to graduate from this program (See an Academic Advisor for exemption criteria).
- Pass all competency exams in the DCF 45-hour training prior to starting the second semester.
- "Successful completion of the 40 hour training as evidenced by passage of competency based examinations with a score of seventy (70) or better," as required by Florida Administrative Code 65C-22.003(2)(a) and 65C-22.008(4)(c).
 - Students who pass the exams will be able to download official certificates and a transcript from the DCF web site
<http://www.myflfamilies.com/service-programs/child-care/competency-exams>. Arrangements for student testing and teacher proctoring will be coordinated through the local Training Coordinating Agency.

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:

25-2011.00 Preschool Teachers (Except Special Education)
<https://www.onetonline.org/link/summary/25-2011.00>

39-9011.00 Childcare Workers
<https://www.onetonline.org/link/summary/39-9011.00>

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) placement rate (2018-19) for this field is 90%.

CIP Code (6 digit) - 19.0709 Child Care Provider/Assistant.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

HEV0870	Child Care Worker 1	150
HEV0871	Child Care Worker 2	150

HEV0872	Teacher Aide (Preschool)	150
HEV0873	Preschool Teacher	150

Note: The DCF 45-hour Introductory Child Care Training coursework is embedded in course HEV0870. The department will monitor passage of the DCF competency exams in courses HEV0870 and HEV0871. Students must pass all training competency exams before the start of the second semester.

SAMPLE PROGRAM OF STUDY

1st Semester

HEV0870	Child Care Worker 1	150
HEV0871	Child Care Worker 2	150

Note: The DCF 45-hour Introductory Child Care Training coursework is embedded in course HEV0870. The department will monitor passage of the DCF competency exams in courses HEV0870 and HEV0871. Students must pass all training competency exams before the start of the second semester.

2nd Semester

HEV0872	Teacher Aide (Preschool)	150
HEV0873	Preschool Teacher	150
TOTAL	VOC. HRS.	20.00
TOTAL	CONTACT HRS.	600.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

FIRE FIGHTER (LIMITED ACCESS PROGRAM), VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 121700 - Catalog 2025/2026

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 Bryan Smith, Assistant Chair, 386-506-4184, Bryan.Smith@daytonastate.edu
 Evan Doyle, Director, 386-506-4201, Evan.Doyle@daytonastate.edu

Program Mission, Description, and Outcomes

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 (492 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.

For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$1,349
Access Fee:	\$19.02 (\$1.16 per credit)
Assessment Fee:	\$34

Lab Fees:	\$578.50
Fire in the Field DVD:	\$75
Uniforms, Books and Supplies:	\$300
Personal Protective Equipment/Bunker Gear Rental:	\$800
Physical Examination:	\$120
State Application/Fingerprint Fee:	\$90
DSC Graduation Fee:	\$20

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

Additional Admission Requirements

- Submit a Fire Fighter program application for admission in the Admissions Office or online.
- Have a standard high school diploma or a GED.
- Be 18 years of age.
- Achieve specified minimum scores or meet exemption requirements on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills (See an Academic Advisor for full exemption criteria).
- Meet with a counselor/advisor for placement test evaluation or exemption criteria and to receive advice on course selection and registration.
- Successfully pass a physical examination.
- Complete a state-mandated criminal background check.
- Are not currently 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.
- Have not been dishonorably discharged from any branch of the US Armed Forces.
- Have not used tobacco products (cigarettes, snuff, chewing tobacco, etc.) for one year prior to applying.
- Attend the mandatory Fire Fighter program Orientation.

- Order classroom uniforms, rent firefighter bunker gear, purchase textbooks and classroom supplies/materials.

Additional Completion Requirements

- Earn a grade "C" or better in all program specific and prerequisite courses.
-
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption criteria).
- Adhere to the rules and regulations outlined in the program's Student Handbook, as well as those of the Daytona State College Student Handbook.

Careers

The following information is required by federal regulations to be provided to students for all vocational and <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 (2021-22) for this field at 46%.

CIP Code (6 digit) - 43.0203

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

FFP0030	Firefighter I	191
FFP0031	Firefighter II	301

Sample Program of Study

FFP0030	Firefighter I	191
FFP0031	Firefighter II	301

TOTAL	VOC HRS.	16.40
TOTAL	CONTACT HRS.	492.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

FLORIDA LAW ENFORCEMENT ACADEMY (LIMITED ACCESS PROGRAM), VOCATIONAL CERTIFICATE

TOTAL	VOC. HRS.	25.67
TOTAL	CONTACT HRS.	770.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

HEATING, VENTILATION, AIR CONDITIONING/REFRIGERATION INSTALLATION AND MAINTENANCE MECHANIC, VOCATIONAL CERTIFICATION

PROGRAM INFORMATION

Vocational Certificate - Code 121300 - Catalog 2025/2026

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Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Heating, Ventilation, Air Conditioning/Refrigeration (HVAC/R) Installation and Maintenance Mechanic program is to provide the knowledge, practice, and skill development necessary for a successful entry level 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 and operating air conditioning and refrigeration equipment. Students work on residential split system air conditioners, including heat pumps, as well as mini splits and PTACs. State of the art, modern equipment with all of the commonly used refrigerants is available for students to gain "hands-on" experience.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate knowledge and implementation of industry standard safety rules, regulations, and procedures.
2. Identify and make use of advanced tools, equipment, materials, and electrical products required in the industry.
3. Demonstrate knowledge and comprehension of industry related scientific and mathematical theory, including, but not limited to, electrical theory, and the vapor-compression refrigeration cycle.
4. Demonstrate the ability to perform industry specific tasks, including, but not limited to, installs, change outs, preventative maintenance, and component part replacement.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$2,056
Access Fee:	\$29
Assessment Fee:	\$34
Lab Fees:	\$1,486.20
Textbook Estimate:	\$350

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

Additional Admission Requirements

- Have a standard high school diploma or GED.
 - Or meet the following criteria for alternative eligibility:
 - achieve specific minimum scores on the Comprehensive Adult Student Assessment

System (CASAS) for Career & Technical Education (CTE) English and Math skills

- meet with a counselor/advisor for placement test evaluation, course selection, and registration
- Be at least 18 years of age.
- Able to lift 50 pounds.
- Able to climb a 12-foot ladder.

Additional Completion Requirements

-
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption criteria).
- Earn a grade "C" or better in all program specific courses.

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 two (2) semesters (32 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2021-22) for this field at 66%.

CIP Code (6 digit) - 15.0501 Heating, Air Conditioning and Refrigeration Technology/Technician (ACH/ACR/ACHR/HRAC/HVAC/AC Technology)

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&socode=499021&id=1&nodeid=2&stfips=12&search=Go

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

ACR0550C	Introduction to HVAC	187.5
ACR0551C	Fundamentals of HVAC	187.5
ACR0560C	Residential Air Conditioning I	187.5
ACR0561C	Residential Air Conditioning II	187.5

SAMPLE PROGRAM OF STUDY

1st Semester

ACR0550C	Introduction to HVAC	187.5
ACR0551C	Fundamentals of HVAC	187.5

2nd Semester

ACR0560C	Residential Air Conditioning I	187.5
ACR0561C	Residential Air Conditioning II	187.5

TOTAL	VOC. HRS.	25.00
TOTAL	CONTACT HRS.	750.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

HEATING, VENTILATION, AIR CONDITIONING/REFRIGERATION SERVICE AND REPAIR TECHNICIAN, VOCATIONAL CERTIFICATION

PROGRAM INFORMATION

Vocational Certificate - Code 101101 - Catalog 2025/2026

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Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Heating, Ventilation, Air Conditioning/Refrigeration (HVAC/R) Service and Repair Technician program is to provide the knowledge, practice, and skill development necessary for a successful entry level 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, and oil and gas systems. Students will design, construct, and evaluate refrigeration systems. Students will also receive related training in shop management and customer relations. State of the art, modern equipment with all of the commonly used refrigerants is available for students to gain "hands-on" experience. All graduates have numerous opportunities for employment with local contractors.

Outcomes:

Graduates of the program will be able to:

1. Demonstrate knowledge and implementation of industry standard safety rules, regulations, and procedures.
2. Identify and make use of advanced tools, equipment, materials, and electrical products required in the industry.
3. Demonstrate knowledge and comprehension of industry related scientific and mathematical theory, including, but not limited to, electrical

theory, and the vapor-compression refrigeration cycle.

4. Demonstrate the ability to perform industry specific tasks, including, but not limited to, installs, change outs, preventative maintenance, and component part replacement.
5. Demonstrate the process required to correctly troubleshoot, diagnose, and repair electrical and/or mechanical issues with HVACR equipment.

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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$3,700
Access Fee:	\$52.20
Assessment Fee:	\$34
Lab Fees:	\$2,655.75
Textbook Estimate:	\$350

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

Additional Admission Requirements

- Have a standard high school diploma or GED.
 - Or meet the following criteria for alternative eligibility:
 - achieve specific minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) English and Math skills
 - meet with a counselor/advisor for placement test evaluation, course selection, and registration
- Be at least 18 years of age.

- Able to lift 50 pounds.
- Able to climb a 12-foot ladder.

Additional Completion Requirements

- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption criteria).
- Earn a grade "C" or better in all program specific courses.

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 (64 weeks) for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2021-22) for this field at 66%.

CIP Code (6 digit) - 15.0501 Heating, Air Conditioning and Refrigeration Technology/Technician (ACH/ACR/ACHR/HRAC/HVAC/AC Technology)

Students who complete this program may qualify for one of the following jobs:

- Heating, A/C and Refrigeration Mechanic
- Heating, A/C and Refrigeration Technician
- Heating, A/C and Refrigeration Service Technician

*Note: Most employers may require: Criminal Background Checks - Clean Driving Record - Compliance with Drug Free Workplace 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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

ACR0550C	Introduction to HVAC	187.5
ACR0551C	Fundamentals of HVAC	187.5
ACR0560C	Residential Air Conditioning I	187.5
ACR0561C	Residential Air Conditioning II	187.5
ACR0744C	Commercial Refrigeration I	150
ACR0746C	Commercial Refrigeration II	150
ACR0613C	Advanced Technology	150
ACR0810C	Advanced Service Practice	150

SAMPLE PROGRAM OF STUDY

1st Semester

ACR0550C	Introduction to HVAC	187.5
ACR0551C	Fundamentals of HVAC	187.5

2nd Semester

ACR0560C	Residential Air Conditioning I	187.5
ACR0561C	Residential Air Conditioning II	187.5

3rd Semester

ACR0744C	Commercial Refrigeration I	150
ACR0746C	Commercial Refrigeration II	150

NOTE: These courses are offered during summer semester ONLY.

4th Semester

ACR0613C	Advanced Technology	150
ACR0810C	Advanced Service Practice	150

TOTAL	VOC. HRS.	45.00

TOTAL	CONTACT HOURS	1350.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

MASSAGE THERAPY (LIMITED ACCESS PROGRAM), VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 102400 - Catalog 2025/2026

Katherine Jankowski, Assistant Chair, 386-506-3185, Katherine.Jankowski@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:

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 650-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 visiting FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$2,056
Access Fee:	\$32
Assessment Fee:	\$34
Lab Fees:	\$121.45
Textbook Estimate:	\$400
Uniforms:	\$125
Laboratory Supplies:	\$25
Licensure Fees:	\$350
FDLE/FBI Background Screening:	\$90

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

Additional Admission Requirements

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption criteria).
- Exemptions include:
 - Florida public high school students who graduated after the year 2003 and earned a Standard High School diploma
 - Active duty military applicants
 - Those who have successfully completed college level English and/or Math
- Meet with a counselor/advisor for placement test evaluation or exemption criteria and to receive advice on course selection and registration.
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.

Additional Completion Requirements

- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements to graduate from this program (See an Academic Advisor for more information).
- 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 (2021-22) for this field at 65%.

CIP Code (6 digit) - 51.3501

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a Career Advisor.

Program Specific Courses

Program specific courses must be completed with a grade 'C' or better.

HSC0005	Healthcare Concepts for the Massage Therapist	55
MSS0156	Anatomy and Physiology for Massage Therapist I	70
MSS0157	Anatomy and Physiology Massage Therapist II	70
MSS0215	Statutes/Rules and Ethics	20
MSS0274	Pathology Related to Massage Therapy	40
MSS0283	Allied Modalities I	43
MSS0284	Allied Modalities II	43
MSS0315	Theory and Practice of Hydrotherapy	15
MSS0601	Professional and Personal Development	18
MSS0803	Massage Theory and Clinical Practicum I	62.5
MSS0803L	Massage Theory and Clinical Practicum I Lab	75.5
MSS0804	Massage Theory and Practicum II	62.5
MSS0804L	Massage Theory and Practicum II Lab	75.5

SAMPLE PROGRAM OF STUDY

1st Semester - Fall

HSC0005	Healthcare Concepts for the Massage Therapist	55
MSS0156	Anatomy and Physiology for Massage Therapist I	70
MSS0283	Allied Modalities I	43

MSS0215	Statutes/Rules and Ethics	20
MSS0803	Massage Theory and Clinical Practicum I	62.5
MSS0803L	Massage Theory and Clinical Practicum I Lab	75.5

2nd Semester - Spring

MSS0157	Anatomy and Physiology Massage Therapist II	70
MSS0601	Professional and Personal Development	18
MSS0274	Pathology Related to Massage Therapy	40
MSS0284	Allied Modalities II	43
MSS0804	Massage Theory and Practicum II	62.5
MSS0804L	Massage Theory and Practicum II Lab	75.5
MSS0315	Theory and Practice of Hydrotherapy	15
TOTAL	VOC. HRS.	25.00
TOTAL	CONTACT HRS.	650.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

MEDICAL ASSISTING (LIMITED ACCESS PROGRAM), VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 102301 - Catalog 2025/2026

Tamara Mottler, Assistant Chair, 386-506-3215, Tamara.Mottler@daytonastate.edu
Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

It is the goal of the Medical Assisting program at Daytona State College to:

1. Prepare medical assistants who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession.
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, 9355-113th St. N. #7709, Seminole, FL 33775, (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 (SACSCOC) to award associates and baccalaureate degrees. Daytona State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Daytona State College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

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 visiting FAFSA at studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$3,563
Access Fee:	\$55.46
Assessment Fee:	\$34
Lab Fees:	\$305.30
Textbook Estimate:	\$415
Uniforms:	\$230
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

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Complete and submit a physical examination by a licensed physician, including the following required immunizations and exam:
 - tetanus-diphtheria, measles, mumps, rubella, varicella, and hepatitis B, and

- a negative PPD test (or chest x-ray if indicated) for tuberculosis
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
- Possess 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.
- Meet with a counselor/advisor for course selection and registration.

Continuing Enrollment Requirements

Continuing enrollment approval will be required to enroll in the program specific courses based on a selections process after completing the required general education courses. Student selection for continuing enrollment is based on specific admission criteria and a points system. Applications are accepted anytime during the year. Selection is made once per year.

- Earn a cumulative grade point average of 2.0 or better.
- Submit completed application for *continuing* enrollment to the School of Health Careers.

Additional Graduation Requirements

- Earn a grade "C" or better in all program specific courses.
- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for more information).
- Adhere to the policies and procedures of the Medical Assisting program as outlined in the Medical Assisting student handbook, as well as the College Student handbook

Careers

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 (2020-21) for this field at 89%.

CIP Code (6 digit) - 51.0801 Medical Assistant

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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	120

Lab

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. 394) for requisite requirements.

NURSING ASSISTANT, VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 120500 - Catalog 2025/2026
Nursing Office, 386-506-3250
William Arrington, Assistant Chair, 386-506-3725,
William.Arrington@daytonastate.edu

Program Mission, Description, and Outcomes

Mission:

The mission of the Bob & Carol Allen School of Nursing is to provide an innovative learning environment that promotes excellence in the profession. Programs prepare students to exhibit professionalism, ethical behavior, and competency in meeting the dynamic health-care needs of individuals across the lifespan and across health-care continuums.

Description:

The nursing assistant program prepares individuals to become entry level health care professionals providing basic nursing care to clients in acute, sub-acute, 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 daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$329
Access Fee:	\$4.64
Assessment Fee:	\$34
Lab Fees (including liability insurance):	\$28.50
Textbook and Workbook:	\$97
Uniform:	\$95

Laboratory Supplies:	\$35
Background Check/ Drug Screening/ Document Tracker:	\$145
Nursing Assistant Exam and Background Check:	\$235

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

Additional Admission Requirement

- Have a standard high school diploma or GED.
- Be at least 18 years of age.
- Complete and submit a physical examination by a licensed physician, including the following required immunizations and exam:
 - tetanus-diphtheria, measles, mumps, rubella, varicella, and hepatitis B, and
 - a negative PPD test (or chest x-ray if indicated) for tuberculosis
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
- Possess 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.

Additional Graduation Requirements

- Earn a grade "C" or better in all program specific courses.

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 (2021-22) for this field at 90%.

CIP Code (6 digit) - 51.3902 Nursing Assistant

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to

submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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. 394) for requisite requirements.

PHLEBOTOMY (LIMITED ACCESS PROGRAM), VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 121000 - Catalog 2025/2026

Teresa Cole, Administrative Assistant, 386-506-3189, Teresa.Cole@daytonastate.edu

Melissa Brown, Academic Advisor, 386-506-3052, Melissa.Brown-Mack@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 daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Approximate Costs

Program Tuition and Fees*:	\$452.32
Access Fee:	\$7.04
Assessment Fee:	\$34
Lab Fees (including liability insurance):	\$53.50
Uniform/Scrubs:	\$125
FDLE/FBI Background Check/Drug Screening:	\$90
Textbook Estimate:	\$125
Health Screening and Immunizations (depending on applicant's health care provider):	\$275
Basic Life Support Certification	\$50

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

Additional Admission Requirements

This is a limited access program.

- Have a standard high school diploma or GED.

- Be at least 18 years of age.
- Complete and submit a physical examination by a licensed physician, including the following required immunizations and exam:
 - tetanus-diphtheria, measles, mumps, rubella, varicella, and hepatitis B, and
 - a negative PPD test (or chest x-ray if indicated) for tuberculosis
- Provide satisfactory results of a Florida Department of Law Enforcement (FDLE) and Federal Bureau of Investigation (FBI) background check and drug screen.
- Possess 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.

Additional Graduation Requirements

- Earn a grade "C" or better in all program specific courses.

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 eight weeks for a full-time student. The Florida Education and Training Placement Information Program (FETPIP) lists the placement rate (2022-23) for this field at 94%.

CIP Code (6 digit) - 51.1009

Job Title for this certificate is Phlebotomist.

Note: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

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

Fall - August Class

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

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) for requisite requirements.

WELDING TECHNOLOGY - APPLIED, VOCATIONAL CERTIFICATE

PROGRAM INFORMATION

Vocational Certificate - Code 103300 - Catalog 2025/2026

Bree Castelli, Director of Workforce, 386-506-4171, Bree.Castelli@daytonastate.edu

Stephen Grau, Assistant Chair, 386-506-3991, Stephen.Grau@daytonastate.edu

Diane Mathers, Administrative Assistant, 386-506-4165, Diane.Mathers@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-acetylene 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 studentaid.gov/h/apply-for-aid/fafsa. For more information on grants, loans and work programs available please visit the Office of Financial Aid webpage at daytonastate.edu/financial-aid/. Students are also encouraged to apply for one of the many Daytona State College Foundation scholarships offered each semester. For more information see: daytonastate.edu/scholarships/.

Note: Students who do not have a standard high school diploma/GED cannot receive student financial aid.

Approximate Costs

Program Tuition and Fees*:	\$1,988
Access Fee:	\$28
Assessment Fee:	\$34
Lab Fees:	\$3,144.46
Textbooks:	\$300
Approved PPE	\$190
Tools	\$500
Graduation Fee	\$20

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

Additional Admission Requirements

- Have a standard high school diploma or GED
 - Or meet the following criteria for alternative eligibility:
 - achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) English and Math
 - meet with a counselor/advisor for placement test evaluation, course selection, and registration
- Ability to understand and follow specific directions.
- Ability to handle and operate all welding equipment in a safe manner.

Additional Completion Requirements

- Achieve specified minimum scores on the Comprehensive Adult Student Assessment System (CASAS) for Career & Technical Education (CTE) Reading and Math skills or meet exemption requirements (See an Academic Advisor for exemption 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:

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) placement rate (2021-22) for this field is 73%.

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: It's never too early to prepare for your career! Login to your Daytona State Career Services Student Job Board and create your personal account to submit your resume for review and search for jobs, and practice your interview skills with Big Interview. For questions, please email Career Services to connect with a 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	90

	Welding and Introduction to MIG) and Lab	
PMT0161C	Welding VI (Introduction to Pipe Welding) and Lab	90
PMT0171C	Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) and Lab	95

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	95
TOTAL	VOC.HRS.	24.17
TOTAL	CONTACT HOURS	725.00

Note: Sequence of courses may vary. Check catalog course descriptions (p. 394) 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. 119)

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, receivables, inventories, payroll, plant assets, current liabilities, bonds payable and investment in stocks and bonds, and corporate: organization, equity rights and earnings. Students are recommended to have appropriate placement scores, successful completion of college prep course or a qualified developmental exemption to enroll in this course.

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. Students are recommended to have appropriate placement scores,

successful completion of college prep course or a qualified developmental exemption to enroll in this course.

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. (Junior level status or permission of the Chair is required.)

Offered: Fall, Spring, Summer.

ACG 3101 - Intermediate Accounting I (3)

This course is the first of a three-course sequence on the theory and applications of the accounting process, standards, and regulations. The focus is on the evaluation of the accounting cycle and the asset accounts. Topics include financial statements, accounting information systems, time value of money, and current assets.

Offered: Fall, Spring.

ACG 3113 - Intermediate Accounting II (3)

This course is the second of a three-course sequence on the theory and applications of the accounting process, standards, and regulations. The focus is on evaluations of the assets, liabilities, and equity accounts. Additional topics include long-term assets, intangible assets, depreciation, liabilities, and earnings per share.

Offered: Fall, Spring.

ACG 3123 - Intermediate Accounting III (3)

This course is the third of a three-course sequence on the theory and applications of the accounting process, standards, and regulations. The focus is on evaluations of revenue and expense accounts along with issues on taxation and disclosure. Additional topics include investments, revenue recognition, income taxes, benefits, leases, cash flows, and error analysis.

Offered: Fall, Spring.

ACG 3341 - Cost Accounting (3)

This course provides a study of the relationship of cost accounting to the control and decision-making functions of management. Emphasis is placed on the review of accounting for costs followed by a detailed

consideration of product costing for both job order, process cost, and activity-based costing systems.

Offered: Fall, Spring.

ACG 4401 - Accounting Information Systems (3)

This course provides a foundation in accounting information systems for a business organization. Topics covered include business processes, financial risks, internal controls, and the design and implementation of an Accounting Information System (AIS)

Offered: Fall, Spring.

ACG 4501 - Governmental and Nonprofit Accounting (3)

This course is an examination of budgeting, accounting, reporting standards and practices for governmental and nonprofit entities.

Offered: Spring.

ACG 4632 - Auditing (3)

This course is an introduction to the basic concepts, principles and environment of financial statement auditing. The course will emphasize the audit decision-making process, researching audit standards, audit planning, evidence evaluation, audit reports, ethics, and legal liability.

Offered: Spring.

ACR - Air Cond, Refrig and Heat

ACR 0550C - Introduction to HVAC (187.5)

This course prepares students to demonstrate the skills and knowledge needed for entry level positions in HVAC related jobs and careers. Job site safety, employability skills, proper tool usage, and basic math skills will be emphasized throughout this course.

Students will have the opportunity to earn their OSHA 10 Construction Site Safety Certification and ESCO Brazing and Soldering Employment Ready Certification during this course.

Students taking this course must be enrolled in the "Heating, Ventilation, Air Conditioning/Refrigeration Mechanic" program.

Offered: Fall, Spring.

ACR 0551C - Fundamentals of HVAC (187.5)

This course further prepares students to demonstrate the skills and knowledge needed for entry level positions in HVAC related jobs and careers. Job site

safety, employability skills, proper tool usage, and basic math skills will continue to be emphasized throughout this course.

Students will have the opportunity to earn their ESCO System Recovery and Evacuation Employment Ready Certification during this course.

Offered: Fall, Spring.

ACR 0560C - Residential Air Conditioning I (187.5)

This course prepares students to demonstrate the skills and knowledge needed for installation and/or preventative maintenance positions in HVAC related jobs and careers. Job site safety, employability skills, proper tool usage, and basic math skills will be emphasized throughout this course.

Students will have the opportunity to earn their ESCO Air Conditioning Employment Ready Certification during this course.

Offered: Fall, Spring.

ACR 0561C - Residential Air Conditioning II (187.5)

This course further prepares students to demonstrate the skills and knowledge needed for installation and/or preventative maintenance positions in HVAC related jobs and careers. Job site safety, employability skills, proper tool usage, and basic math skills will continue to be emphasized throughout this course.

Students will have the opportunity to earn their EPA 608 Refrigerant Handling Certification during this course.

Offered: Fall, Spring.

ACR 0613C - Advanced Technology (150)

This course prepares students to demonstrate the skills and knowledge needed for service and repair technician positions in HVAC related jobs and careers. Job site safety, employability skills, proper tool usage, and basic math skills will be emphasized throughout this course.

Students will have the opportunity to earn their ESCO Gas Heat Employment Ready and ESCO Heat Pump Employment Ready Certifications during this course.

Offered: Fall, Spring.

ACR 0744C - Commercial Refrigeration I (150)

This course prepares students to demonstrate the skills and knowledge needed for industrial and/or commercial refrigeration positions in HVAC related

jobs and careers. Job site safety, employability skills, proper tool usage, and basic math skills will be emphasized throughout this course.

Offered: Summer.

ACR 0746C - Commercial Refrigeration II (150)

This course further prepares students to demonstrate the skills and knowledge needed for industrial and/or commercial refrigeration positions in HVAC related jobs and careers. Job site safety, employability skills, proper tool usage, and basic math skills will continue to be emphasized throughout this course.

Offered: Fall, Spring.

ACR 0810C - Advanced Service Practice (150)

This course further prepares students to demonstrate the skills and knowledge needed for service and repair technician positions in HVAC related jobs and careers. Job site safety, employability skills, proper tool usage, and basic math skills will continue to be emphasized throughout this course.

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.

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.

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.

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: 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: 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: 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.

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.

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: Spring.

AFR - Military Science**AFR 1101 - U.S. Military Forces GMC - 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 - 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 Management & Leadership - 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 - 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)

State Course Description (6A-14.0303): In this course, students will examine United States history from before European contact to 1877. Topics will include but are not limited to indigenous peoples, the European background, the colonial period, the American revolution, the articles of confederation, the constitution, issues within the new republic, sectionalism, manifest destiny, slavery, the American civil war, and reconstruction.

Offered: Fall, Spring, Summer.

AMH 2020 - United States History 1865 to Present (3)

State Course Description (6A-14.0303): In this course, students will trace the history of the United States from the end of the reconstruction era to the contemporary era. Topics will include but are not limited to the rise of industrialization, the United States' emergence as an actor on the world stage, constitutional amendments and their impact, the progressive era, World War I, the great depression and new deal, World War II, the civil rights era, the cold war, and the United States since 1989.

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: 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 College-Level Communication and Computational Skills (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 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 Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills.

Offered: Fall, Spring.

ANT - Anthropology

ANT 2000 - Introduction to Anthropology (3)

State Course Description (6A-14.0303): In this course, students will learn the foundations of anthropology as the study of human variation in its biological, social, and cultural dimensions. Students will learn about anthropological concepts, principles, and methodologies to understand and explore past and present human behavior. They will apply the anthropological approach to analyze issues pertaining to past and contemporary cultures, and develop intellectual skills and habits to understand behavioral, social, and cultural issues from multiple disciplinary perspectives.

Offered: Fall, Spring, Summer.

APA - Accounting

APA 1111 - Office Accounting I (3)

This course provides instruction and practice of office accounting concepts for small businesses. Selected topics include recording of business transactions; worksheets and financial statements; adjusting and closing entries; cash control systems; purchases and cash payment; sales and cash receipts; and payroll activities. (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)

State Course Description (6A-14.0303): In this course, students will develop an appreciation of and the ability to think critically about culture and be provided with the tools to understand, analyze, and discuss works of visual art and material culture.

Offered: Fall, Spring, Summer.

ARH 2050 - Survey of Art History I (3)

Survey and criticism of Ancient, Medieval, Renaissance and Early Renaissance Art, including works from the Western canon; relation of artists and styles to cultural context. This course contributes to satisfying the College-Level Communication and Computation Skills (formerly known as the Gordon Rule).

Offered: Fall, Spring, Summer.

ARH 2051 - Survey of Art History II (3)

Survey and criticism of Late Medieval, Renaissance, 17th/18th Century, and Modern Art, including works from the Western canon; relation of artists and styles to cultural context. This course contributes to satisfying the College-Level Communication and Computation Skills (formerly known as the Gordon Rule).

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 are introduced to the role of an estimator in the automotive collision repair industry. They learn to write complete and accurate damage analysis reports for front, side, and rear impact damage on drivable vehicles using computerized estimating software. To graduate from the program, students must pass the course with a C or better.

Offered: Summer.

ARR 0121C - Introduction to Refinishing and Lab (120)

Students are introduced to the theory and operation of modern high-tech refinish equipment. They learn the proper application of today's refinish materials while following personal and refinish safety protocols. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring.

ARR 0122C - Intermediate Refinishing and Lab (120)

Students are introduced to finish identification, masking, and surface preparation. They develop proper spray gun techniques and learn to apply corrosion protective materials. To continue in the program, students must pass the course with a C or better.

Offered: Spring, Summer.

ARR 0123C - Advanced Refinishing and Lab (120)

Students demonstrate advanced refinish techniques, apply color theory, and perform tinting and blending procedures. They also develop skills in refinish defect removal and final detailing techniques. To graduate from the program, students must pass the course with a C or better.

Offered: Summer.

ARR 0241C - Introduction to Collision Repair and Lab (120)

Students learn about vehicle construction, terminology, and collision energy management in today's high-tech vehicles. They develop an understanding of repair versus replacement techniques and the fundamentals of collision estimating. Additionally, students gain hands-on experience with basic industry welding techniques. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring.

ARR 0242C - Intermediate Collision Repair and Lab (120)

This course covers frontal impact analysis, guiding students in making critical repair and replacement decisions. They learn to develop repair plans and follow proper removal and replacement procedures. The course also explores the function and fit of exterior panels. To continue in the program, students must pass the course with a C or better.

Offered: Spring, Summer.

ARR 0243C - Advanced Collision Repair and Lab (120)

Students develop skills in vehicle mechanical system analysis, understand the effects of side and rear impacts, and learn about restraint systems and cosmetic straightening of steel. To graduate from the program, students must pass the course with a C or better.

Offered: Summer, Fall.

ARR 0244C - Advanced Overview of Collision and Refinishing 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. Students must pass course with a C or better to be graduated from the program.

Offered: Summer, Fall.

ARR 0381C - Introduction to Unibody and Frame and Lab (120)

This course provides introductory instruction in diagnosing and measuring damage in unibody and frame-type vehicles. Students receive training in frame straightening techniques and related tasks. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring.

ARR 0382C - Intermediate Unibody and Frame and Lab (120)

This advanced course guides students through the art of plastic repair, vehicle component replacement, and the latest technology in adhesive bonding for panel replacement. To graduate from the program, students must pass the course with a C or better.

Offered: Spring, Summer.

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 (30)

Cooperative Education Experience in Automotive Body Repair and Refinishing

Offered: Summer, Fall.

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. Process and development are emphasized. This course is suitable for both the art major and non-art major. A lab fee is required. Four studio hours.

Offered: Fall, Spring, Summer.

ART 1203C - Design II and Lab (3)

Continuation of ART1201C through the study of visual elements and principles and their application in three-dimensional form and color theory. This course is suitable for both the art major and non-art major. A lab fee is required. 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. 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 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 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. 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 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 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 - Ceramics I and Lab (3)

Introduction to ceramic design. This course emphasizes basic hand-building, wheel throwing, glazing and firing techniques. Four studio hours. Can be repeated.

Offered: Fall, Spring, Summer.

ART 2754C - Ceramics II and Lab (3)

This course is a continuation of ART 2752C, Ceramics I and Lab. Emphasis will focus upon creativity and conceptual problem solving through the use of ceramic hand-building techniques. (Prerequisite: ART 2752C.)

Offered: Fall, Spring, Summer.

ART 2755C - Ceramics III and Lab (3)

This course is a continuation of ART 2754C, Ceramics II and Lab. Emphasis will focus upon

creativity and conceptual problem solving through the use of ceramic hand-building techniques.

(Prerequisite: ART 2754C.)

Offered: Fall, Spring, 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 Community. 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, Spring.

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: Fall, 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: Fall, 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.)

AST - Astronomy

AST 1002 - Astronomy (3)

State Course Description (6A-14.0303): This course provides a comprehensive look at modern astronomy, emphasizing the use of the scientific method and the application of physical laws to understand the universe including earth and its environment. Throughout this course, students will develop the ability to discern scientific knowledge from non-scientific information by using critical thinking.

Offered: Fall, Spring, Summer.

AST 2905 - Directed Study in Astronomy (1)

Special topic/research-oriented course for students who want to pursue further study in an area of

Astronomy. Students will work with an instructor to develop the study topic and scientific analysis.

Offered: Fall, Spring, Summer.

BCA - Build Construct Appren

BCA 0330 - Electrical Academy Union 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.

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 (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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 - OJT (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, including 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 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.

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). 1 credit=80 contact hrs. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=320 contact hrs. To register contact Anindya Paul at Anindya.Paul@daytonastate.edu, or Faith Bryant at Faith.Bryant@daytonastate.edu, 386-506-4143.

Offered: Fall, Spring, Summer.

BCT 2990 - Technical Training (24)

Students must have completed an appropriate apprenticeship or certificate program of 700 contact hours with a GPA of 2.0 or better or equivalent. The certificate or registered apprenticeship program will be evaluated based on requirements of the Conversion of Credit process, including proof of successful program completion via a transcript or diploma. 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: Fall.

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: Fall.

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 related 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.

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, Spring.

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.

Offered: Spring.

BOT 3151 - Flora of Central Florida (3)

Field and laboratory work in collection, identification and preservation of dominant area plant specimens involving field trips from coastal to interior and wetland to upland vegetation areas 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 human body, as applied to certificate health care programs. Students will use web-based learning activities and discussion boards as part of the Falcon Online learning management system. Topics will include an overview of all body systems. The course cannot be applied to the A. A. degree.

Offered: Fall, Spring, Summer.

BSC 1005 - Survey of Biological Sciences (For Non-Science Majors) (3)

State Course Description (6A-14.0303): This course applies the scientific method to critically examine and explain the natural world including but not limited to cells, organisms, genetics, evolution, ecology, and behavior.

Offered: Fall, Spring, Summer.

BSC 1005L - Survey of Biological Science (For Non-Science Majors) Lab (1)

State Course Description (6A-14.0303): This course applies the scientific method to critically examine and explain the natural world including but not limited to cells, organisms, genetics, evolution, ecology, and behavior. The laboratory consists of observation, demonstration and experiments that correlates with the lecture. This course also helps develop the general education skills of (1) critical thinking; (2) scientific inquiry; (3) aesthetic appreciation; (4) computation; (5) communication; and (6) computer literacy.

Offered: Fall, Spring.

BSC 1010C - General Biology I (For Science Majors) and Lab (4)

State Course Description (6A-14.0303): In this course students will apply the scientific method to critically examine and explain the natural world. This course will cover molecular biology, cellular biology, genetics, metabolism, and replication. 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 will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring, Summer.

BSC 1011C - General Biology II (For Science Majors) and Lab (4)

A thorough overview of the evolution, phylogenetic relationships, morphology, physiology and ecology pertaining to the 3 domains of living organisms. A substantial portion of the course is comprised of a survey of the major groups and subgroups of organisms. Designed for science majors.

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 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.

BSC 1085C - Human Anatomy and Physiology I and Lab (4)

State Course Description (6A-14.0303): This course is the first part of a two-semester sequence in which students examine human anatomy and physiology through a systems approach based on the interaction between form and function, from the microscopic components of cells and tissues to the organismal level. Emphasis is placed on histology and the integumentary, skeletal, muscular, and nervous systems.

Offered: Fall, Spring, Summer.

BSC 1086C - Human Anatomy & Physiology II and Lab (4)

A continuation of BSC 1085C. This course covers the structure and function of the autonomic nervous system, digestive, urinary, respiratory, endocrine,

circulatory and reproductive systems. This course is designed for students in health professions.

Offered: Fall, Spring, Summer.

BSC 2905 - Directed Study in Biological Sciences (1)

Special topic/research-oriented course for students who want to pursue further study in an area of Biology. Students will work with an instructor to develop the study topic and scientific analysis.

Offered: Fall, Spring, Summer.

BUL - Business Law

BUL 2241 - Business Law I (3)

This course is an introduction to the legal setting in which businesses operate. Coverage includes introduction to the law and the legal system, constitutional law, administrative law, torts, criminal law, contracts, ethics and the effect of government regulation on businesses.

Offered: Fall, Spring, Summer.

BUL 2242 - Business Law II (3)

This course is a continuation of Business Law I (BUL2241) with a focus on the Uniform Commercial Code (UCC) as it applies to sale of goods, negotiable instruments, and secured transactions. The course also covers the law of business organizations and related topics.

Offered: Summer.

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. Students must be at Junior level status when registering for this course.

Offered: Fall, Spring, Summer.

CAI - Computer Science

CAI 1320 - AI Application & Prompt Engineering (3)

This course is designed to prepare students with the skills necessary to effectively communicate and leverage the capabilities of AI language models. The course will explore the art and science of crafting

effective prompts that yield accurate, relevant and creative outputs from AI systems.

Offered: Spring.

CAI 2010 - Introduction to AI and Machine Learning with Python Programming (3)

This course introduces students to machine learning, and deep learning concepts and algorithms, before progressing to topics in data analysis. Students will learn the theoretical principles of AI and machine learning with coding approach using a programming language for a basic understanding of AI and machine learning theory, and its implementation.

Offered: Fall.

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.

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 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). 1 credit=80 contact hrs. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=320 contact hrs. To register contact Anindya Paul at Anindya.Paul@daytonastate.edu, or Faith Bryant at Faith.Bryant@daytonastate.edu, 386-506-4143.

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, Spring, Summer.

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, Summer.

CCJ 2930 - Cybercrime (3)

Selected Topics in Criminal Justice: Cybercrime

Offered: Fall, Spring.

CDA - Computer Science**CDA 4101 - Computer Organization and Design (3)**

This course covers basic computer systems design and architecture. An introduction to design of computer memories, CPU s, I/O devices, buses, and addressing schemes.

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)

This course covers the basic elements of design and evaluation of computer interface. Standard design interface evaluation methods are covered. The course requires a design project which involves development of a prototype to fulfill a set of requirements and a full evaluation of the usability of the developed prototype.

Offered: Fall, Spring.

CEN 4010 - Software Engineering (3)

This course is a study of software systems analysis, design, development, and implementation cycles. Includes OOP, current technologies, and standards.

Offered: Spring.

CEN 4801 - Systems Integration (3)

Studies the process of integration of different software systems and applications into an organization. Covers issues 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.

CET 1600 - Network Plus (3)

This course first introduces the fundamental building blocks that form a modern network, such as hardware, topologies, media, protocols, and OSI model. It then provides in-depth coverage of the most important concepts in contemporary networking, such as TCP/IP, Ethernet, wireless transmission, virtual networks, cloud computing, segmentation, security, performance optimization, and troubleshooting. After reading the modules and completing the exercises, you will be prepared to select the network design, hardware, and software for your network environment. You will also have the skills to build a network from scratch and maintain, upgrade, troubleshoot, and manage an existing network.

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: Spring.

CET 2154 - Computer Hardware & Software (4)

This course is designed to present proper preventative and corrective maintenance procedures for computers for computer systems. Also covers the basic installation and function of Windows operating systems as well as a brief introduction to the Linux operating system. The installation use of basic applications such as Spyware removers, Anti-Virus software, and software firewalls are also covered.

This course prepares students for the A+ Software Exam.

Offered: Fall, Spring, Summer.

CET 2615 - Advanced Cisco Router Configuration (3)

This course covers advanced techniques in configuration of Cisco routers in internetworks, including utilization of configuration files worked on using Packet Tracer and other networking tools 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 2660 - Fundamentals of Cybersecurity Analysis (3)

This course introduces the student to Cybersecurity, which is the practice of defending mobile devices, computers, servers, networks, electronic systems, and data from malicious attacks. The course explains how to detect these threats, respond to them, secure a computer network, assess impact and damage from incidents, and select the best course of action in a cybersecurity threat scenario. Students will also learn about state-of-the-art security frameworks, identity and access management, and ways to compensate if all the possible controls are not in place for security. The course prepares the student for the CompTIA CySA+ certification. It is important that students understand basic network concepts prior to enrolling.

Offered: Fall, Spring.

CET 2850 - Wireless and Mobile Security (3)

The world of wireless and mobile devices is evolving day-to-day, with many individuals relying solely on their wireless devices in the workplace and in the home. The growing use of mobile devices demands that organizations and consumers become more educated in securing this growing technology and determining how to best protect their assets.

Offered: Spring.

CET 2949 - Internship in Computer Engineering Technology (1-4)

This course offers students with an opportunity to gain hands-on experience in a real working environment. It provides training activities related to

organizations including interpersonal relationships, problem solving, goal settings, ethics, policy and procedures, personal development, and organizational structures and cultures. It is recommended that students meet with the Internship Coordinator one semester prior to enrolling in this course. This course cannot be found through the online course search. To be officially registered you must have met with the Internship Coordinator and completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. You will be required to complete 80-320 contact hours in the field based on 1-4 credit hour course requirement. 1 credit=80 contact hrs. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=320 contact hrs. To register contact Department Chair, Anindya Paul at Anindya.Paul@daytonastate.edu, or the Internship Coordinator, Wendy Samuel, at Wendy.Samuel@daytonastate.edu, 386-506-4143.

Offered: Fall, Spring, Summer.

CET 3116 - Digital Technology (4)

The topics covered in this course include, number systems and conversion; binary arithmetic, Boolean expressions; minterm and maxterm expansion of Boolean functions; minimization of expressions using K-Maps or Quine-McCluskey method; Multiplexers and Decoders; Sequential circuits (flip-flops, counters, registers and shift-registers); simulation of digital circuits; and VHDL. A group project and individual projects will also be required.

Offered: Fall, Spring, Summer.

CET 3198 - Digital Systems (2)

This course covers VHDL Programming; analysis, design and implementation of combinational circuits; analysis, design and implementation of sequential circuits using flip-flops; finite state machines (FSM); Mealy and Moore models; state table and state graphs; reduction of state tables and ASM charts. A group project is included.

Offered: Fall.

CET 3198L - Digital Systems Lab (1)

Hands on lab component for VHDL Programming; analysis, design and implementation of combinational circuits; analysis, design and implementation of sequential circuits using flip-flops; finite state machines (FSM); Mealy and Moore models; state table and state graphs; reduction of state tables and ASM charts.

Offered: Fall.

CET 3906 - Directed Study in Computer Engineering Technology (1)

Directed Study in Computer Engineering Technology

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.

Offered: Spring.

CET 4860 - Introduction to Digital Forensics (3)

Topics will include; forensic process; forensic duplication; authentication; file recovery; file systems; FAT file system; digital artifacts, and various digital forensic tools.

Offered: 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.

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: 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: Fall.

CGS - Computer Science

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.

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.

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 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: Summer.

CHD 1430 - Observation, Recording and Assessment (3)

This course covers techniques for observing, recording and assessing the behavior of young children.

Offered: Fall.

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: Spring.

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.

Offered: Fall.

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.

Offered: Fall.

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.). Lab fee: \$8.00

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.

CHM - Chemistry**CHM 1020 - Chemistry in Society (3)**

State Course Description (6A-14.0303): This course provides students with an introduction to chemical principles and applications for the non-science major. Students will engage in problem solving and critical thinking while applying chemical concepts. Topics will include the scientific method of problem solving, classification of matter, atomic theory, the periodic table, gases, chemical reactions, energy, and chemical bonds.

Offered: Fall, Spring, Summer.

CHM 1025C - Introduction to Chemistry and Lab (4)

A survey of modern chemistry, designed particularly for those with little or no chemistry background or 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 also helps develop the general education skills of (1) critical thinking; (2) scientific inquiry; (3) aesthetic appreciation; (4) computation; (5) communication; and (6) computer literacy.

Offered: Fall, Spring, Summer.

CHM 1045C - General College Chemistry I and Lab (4)

State Course Description (6A-14.0303): This course is designed for students pursuing careers in the sciences or who need a more rigorous presentation of chemical concepts than is offered in an introductory course. Students will engage in problem solving and critical thinking while applying chemical concepts. Topics will include the principles of chemistry including atomic theory, electronic and molecular structure, measurement, stoichiometry, bonding, periodicity, thermochemistry, nomenclature, solutions, and the properties of gases.

Offered: Fall, Spring, Summer.

CHM 1046C - General College Chemistry II and Lab (4)

Continuation of CHM 1045C. Topics covered include chemical bonding models, properties of solutions, reaction kinetics, chemical equilibrium, thermodynamics, and electrochemistry. The course stresses integration of chemical knowledge. Three-hour lecture, three-hour laboratory.

Offered: Fall, Spring, Summer.

CHM 2210C - Organic Chemistry I 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.

Offered: Fall.

CHM 2211C - Organic Chemistry II and Lab (4)

Continuation of CHM 2210C. Topics covered include the reactivity, mechanisms, and synthesis of alcohols, ethers, sulfur compounds, aromatic compounds, aldehydes, ketones, carboxylic acids, and amines. Various types of spectroscopy will be covered.

Offered: Spring.

CHM 2905 - Directed Study in Chemistry (1)

Special topic/research-oriented course for students who want to pursue further study in an area of Chemistry. Students will work with an instructor to develop the study topic and scientific analysis.

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 2121 - Security Operations Management (3)

This course will help a student learn how to combine people, processes, and technology together to help an organization protect from and respond to various cyberspace threats.

Offered: Spring.

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 - Internship in Computer and Information Systems (1-4)

This course offers students with an opportunity to gain hands-on experience in a real working environment. It provides training activities related to organizations including interpersonal relationships, problem solving, goal settings, ethics, policy and procedures, personal development, and organizational structures and cultures. It is recommended that students meet with the Internship Coordinator one semester prior to enrolling in this

course. This course cannot be found through the online course search. To be officially registered you must have met with the Internship Coordinator and completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. You will be required to complete 80-320 contact hours in the field based on 1-4 credit hour course requirement. 1 credit=80 contact hrs. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=320 contact hrs. To register contact Department Chair, Anindya Paul at Anindya.Paul@daytonastate.edu, or the Internship Coordinator, Wendy Samuel, at Wendy.Samuel@daytonastate.edu, 386-506-4143.

Offered: Fall, Spring, Summer.

CIS 4250 - Ethical Issues in IT (1)

This course covers the historical, social and economic considerations of the ethics 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: Summer, Fall.

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: Spring.

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.

CJD - Criminal Justice

CJD 0259 - Le Sem-Auto Pi (1)

Le Sem-Auto Pi

CJD 2990 - Criminal Justice Bridge Transition (27)

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: Fall, 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.

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.

CJK - Criminal Justice

CJK 0002 - Introduction to Law Enforcement (12)

The student 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 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 0016 - Communication (24)

The student will learn several communication skills that will help to promote a safer and more effective approach to their work as a law enforcement officer.

Offered: Fall, Spring, Summer.

CJK 0018 - Legal (64)

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 0019 - Interviewing and Report Writing (56.1)

The entire police report writing process is covered. Topics include interviewing and interrogation, note taking, organizing information, 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 0021 - Serving Your Community (34)

This course will provide the student an overview of how to respond safely to diverse populations while maintaining professionalism and situational awareness.

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)

Students demonstrate firearms safety procedures. This hands-on training teaches students to shoot a handgun and a long gun. This course includes

applied workforce training in the form of firearms qualification.

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 restraint, and officer fitness are also covered.

Offered: Fall, Spring, Summer.

CJK 0063 - Fundamentals of Patrol (40)

This course provides the student an overview of the law enforcement techniques and tactics that officers use while on patrol to include the use of communications equipment, community-oriented policing, and officer safety and survival skills.

Offered: Fall, Spring, Summer.

CJK 0072 - Crimes Against Persons (48)

This course will provide the student with information on how to respond to any incident that has the potential for an arrest by following a basic investigative sequence that focuses on fairness in the process and the outcome.

Offered: Fall, Spring, Summer.

CJK 0073 - Crimes Involving Property and Society (12)

This course will provide instruction on how the student will respond to an incident involving theft, and incidents involving a stolen vehicle or property.

Offered: Fall, Spring, Summer.

CJK 0079 - Crime Scene Follow-up Investigations (34)

This course will instruct the student on how to apply the rules and concepts of evidence to a crime scene, the follow-up investigation, and the support needed for successful prosecution.

Offered: Fall, Spring, Summer.

CJK 0093 - Critical Incidents (43.8)

This course provides the student an overview of law enforcement techniques and tactics used when confronting large-scale or critical incidents that may include natural disasters, active shooters, exposure to hazardous materials, and explosive devices.

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 0111 - Interviewing and Report Writing in Corrections (16)

This course introduces students to the importance of documentation and report writing in a correctional environment.

Offered: Fall, Spring, Summer.

CJK 0300 - Introduction to Corrections (32.1)

This course introduces students to the legal and ethical responsibilities of a correctional officer. Legal terms and definitions are explained.

Offered: Fall, Spring.

CJK 0301 - Introduction to Corrections (32)

This course provides an introduction to the corrections profession, including the roles and responsibilities of correctional officers, the certification process, the structure of the criminal justice system, and considerations that impact the longevity of an officer's career.

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 0306 - Communication for Correctional (32)

This course provides students with the foundational understanding of how case law and agency policies and procedures are important in the corrections profession.

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 0321 - Intake and Release (16)

This course provides an overview of the intake and reception process in a correctional facility, classification, and housing assignments, and explains the basic release process at county and state facilities.

Offered: Fall, Spring, Summer.

CJK 0324 - Supervision in a Correctional Facility (32)

This course provides foundational knowledge of the processes for monitoring inmates in a variety of situations, transporting inmates, and addressing disciplinary issues.

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 0326 - Supervising Correctional Populations (25)

This course provides an introduction to the various populations within a correctional environment and includes information on legal aspects of providing care and custody for inmates under the Americans with Disabilities Act (ADA) and the Prison Rape Elimination Act (PREA).

Offered: Fall, Spring, Summer.

CJK 0327 - Shift Management and Safety (20)

This course teaches the basics of situational awareness and safety measures within a correctional environment, including equipment, security checks, searches, contraband, and maintaining general facility safety.

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 actively identify and respond to emergency situations. This workforce training involves the practical application of techniques for response to situations involving escapes, riots, bomb threats, fires and medical emergencies in a correctional facility.

Offered: Fall, Spring, Summer.

CJK 0336 - Incidents and Emergencies in Correctional Facilities (20)

This course provides foundational knowledge in identifying and responding to critical incidents within 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 0355 - Legal for Correctional Officers (22)

This course provides students with the foundational understanding of how case law and agency policies and procedures are important in the corrections profession.

Offered: Fall, Spring, Summer.

CJK 0400 - Traffic Incidents (12)

This course will provide the student with the necessary information about traffic statutes and procedures to promote excellent traffic enforcement.

Offered: Fall, Spring, Summer.

CJK 0401 - Traffic Stops (24)

This course will provide the student an understanding on how to safely and professionally interact with people during a traffic stop.

Offered: Fall, Spring, Summer.

CJK 0402 - Traffic Crash Investigations (30)

This course will provide the student with basic steps of traffic crash management and how to safely approach a traffic crash scene.

Offered: Fall, Spring, Summer.

CJK 0403 - DUI Traffic Stops (24)

This course will provide the student information on how a law enforcement officer detects impaired driving, administers field sobriety tests, makes arrests when appropriate, and records the evidence of a DUI (driving under the influence) offense.

Offered: Fall, Spring, Summer.

CJK 0421 - Conducted Electrical Weapon/Dart-Firing Stun Gun (4)

This course will provide students the legal and use of force aspects of using a stun gun or CEW, how using a stun gun or CEW affects the human body, and how to operate a stun gun or CEW safely.

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.

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: Fall, Spring.

CLP - Psychology**CLP 0999 - Psy Req-Cert Prg (45)**

Psy Req-Cert Prg

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 - Penetration Testing (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 2404 - Intrusion Detection and Response (3)

This course will help a student prepare for the IT Security position of SOC Analyst and will teach them how to prevent, identify, assess, and respond to cybersecurity threats and incidents. This course will assist students in mastering in-demand technical abilities to carry out the activities needed to be a successful SOC Analyst.

Offered: Fall.

CNT 3104 - Introduction to Telecommunications (2)

This course introduces the fundamentals of telecommunications. Topics include: sound, electrical signal, electromagnetic spectrum, the telephone and telephone lines, manipulating information for transmission, open system interconnection, digital circuit switch, signaling, distributed switching architecture, and IP routing fundamentals.

Offered: Summer, Fall.

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)

The students will study the design of Wide Area Networks: determining requirements, designing the network, structure, choosing appropriate technologies, and evaluating results.

Offered: Summer, Fall.

COM - Communications**COM 2998B - Communicatn Req (3)**

Communicatn Req

COM 2999B - Communicatn Req (3)

Communicatn Req

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 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. It explains how to maximize all the powerful, integrated reporting services capabilities, including the new and enhanced features. Students will use report builders, wizards, and design tools to build reports and comprehend the data analysis procedures and 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, Spring.

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.

COP 2660 - Programming for Mobile Devices (3)

This is a programming course designed to build robust cross-platform web and mobile applications, use React and React Native to Build React applications at scale using effective React patterns, explore React features such as Hooks, the Context API, and the Suspense API.

Offered: Fall.

COP 2700 - Introduction to Database Management (3)

This course covers the fundamental concepts and techniques of database management. Students work with relational databases and learns the components of database system. It includes database modeling, design, and implementation. Students will learn data definition language and data manipulation language syntax in structured query language (SQL). The class also introduces data warehouses and business intelligence system and nonrelational "NoSQL" database management.

Offered: Fall, Spring, Summer.

COP 2800 - Computer Programming Java (3)

The course introduces object-oriented programming using the Java programming language. This course provides a comprehensive overview of object-oriented programming concepts: classes, objects, methods, inheritance, encapsulation, abstraction, polymorphism, interfaces and generics. The course is designed for student looking to enhance their programming skills. Through hands-on projects and real-world examples, participants will gain practical experience in writing, debugging, and optimizing Java code.

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 a server-side scripting language that is embedded in HTML. Students learn the skills using Hypertext

Preprocessor (PHP) language to create and maintain dynamic web pages supported by backend databases. The class also introduces the use of some popular content management system tools.

Offered: Fall.

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 - Internship in Computer Programming (1-4)

This course offers students with an opportunity to gain hands-on experience in a real working environment. It provides training activities related to organizations including interpersonal relationships, problem solving, goal settings, ethics, policy and procedures, personal development, and organizational structures and cultures. It is recommended that students meet with the Internship Coordinator one semester prior to enrolling in this course. This course cannot be found through the online course search. To be officially registered you must have met with the Internship Coordinator and completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. You will be required to complete 80-320 contact hours in the field based on 1-4 credit hour course requirement. 1 credit=80 contact hrs. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=320 contact hrs. To register contact Department Chair, Anindya Paul at Anindya.Paul@daytonastate.edu, or the Internship Coordinator, Wendy Samuel, at Wendy.Samuel@daytonastate.edu, 386-506-4143.

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. Extensive programming is required.

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.

COP 4709 - Applied Database II (3)

This course includes the study of relational and other database systems. Advanced SQL query and programming, development of stored procedures and functions, decision support systems, transaction management and theory are covered. Other relevant advanced database topics are also covered. Knowledge of programming is required.

Offered: Spring.

COP 4813 - Web Systems I (3)

This course covers development of web systems with a focus on client-side development. Topics include use of XHTML, the Document Object Model (DOM), Cascading Style Sheets (CSS), use of Javascript for providing client side interactivity, ADA accessibility, Javascript Object Notation (JSON), and design for mobile platforms. A web site design project is included.

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 of a full stack development project is required.

Offered: Spring.

COS - Cosmetology

COS 0013L - Barbering I Lab (225)

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 0512L - Barbering II Lab (225)

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 0561L - Barbering III Lab (225)

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.

COS 0562L - Barbering Lab Bridge: Shaves/Beards/Mustaches (225)

The student will acquire knowledge of the principles of Florida Law, history of the art of barbering and its 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.

Offered: Fall, Spring.

COS 0571L - Barbering IV Lab (225)

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 theory, 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 to solve problems 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: Fall, 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 - Creative Writing (3)

An introduction to the techniques of creative writing.

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 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, Spring.

CTS 2308 - Installing and Configuring Windows Workstation OS (3)

This course is intended for anyone who wants to learn how to install, configure, administer, and support the Microsoft Windows workstation operating system (OS). The course begins by exploring some of the new features and improvements in Windows Workstation OSs. Once this foundation is established, the course guides the students through installing the OS and then walks them through configuring, administering, and supporting it.

Offered: Fall, Spring, Summer.

CTS 2310 - Securing Windows Servers (3)

This course discusses security implementations for various Windows platforms and applications. Areas of study involve identifying and examining security risks, security solutions and tools available for various Windows platforms and applications.

Offered: Spring.

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 2353 - Networking with Windows Server (3)

This course teaches students how to utilize and configure Microsoft Windows servers in an enterprise networking environment. It provides in-depth study in implementing and configuring IPv4 and IPv6 addressing, DNS server, DHCP server, IPAM (IP Address Management), VPN and Direct Access, NPS (Network Policy Server), DFS (Distributed File System) and BranchCache, and advanced network solution such as SDN (Software-Defined Networking) and Hyper-V network virtualization.

Offered: Fall, Spring.

CTS 2358 - Identity with Windows Server (3)

This course teaches students how to install, manage, and configure Microsoft Active Directory on a Microsoft Windows Server. You will learn to transform a plain Windows server to a Domain Controller by installing Active Directory. After that, students will learn to manage the Active Directory by creating users, groups, and Organizational Units (OUs).

Additional studies include creating, managing, and configuring Group Policy Objects (GPOs), Active Directory Certificate Services (AD CS), Active Directory Federation services (AD FS), Web Application Proxy (WAP), and Active Directory Management Services (AD RMS).

Offered: Fall.

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 is intended to serve the needs of students and professionals who are interested in mastering fundamental, vendor-independent cloud computing concepts. No previous cloud computing experience is necessary to begin learning from this course, although knowledge of basic computer, networking, and security principles is helpful. Those seeking to pass the CompTIA® Cloud+ certification exam will find the course's content, approach, and numerous projects and study questions especially helpful. The course's pedagogical features are designed to provide a truly interactive experience, preparing you for the challenges of the highly dynamic cloud computing industry.

Offered: Fall, Spring.

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 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: Summer, Fall.

DAA - Dance

DAA 1000 - Introduction to Dance (3)

This course serves as an introduction to the history, styles, and techniques of dance as an art form. Students will learn basic principles and techniques of ballet, modern dance, and jazz, as well as gain exposure to other dance styles (tap, social dances, etc.) that are often used in stylized form in choreography for musical theatre. This course incorporates lectures and handouts, videos, and movement experience into the beginning study of dance. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

DAA 1104 - Contemporary/Modern Dance I (3)

This beginning course will explore modern dance techniques using exercises and choreography to achieve physical objectives, to increase artistic self-awareness and to extend cultural enrichment.

Offered: Fall, Spring.

DAA 1204 - Ballet I (3)

This is a beginning course 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 1500 - 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 - 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 2105 - Contemporary/Modern Dance II (3)

This intermediate course will continue to explore modern dance technique using exercises and choreography to achieve physical objectives, to increase artistic self-awareness, and to extend cultural enrichment.

Offered: Fall, Spring.

DAA 2205 - Ballet II (3)

This is an intermediate course 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 - Jazz II (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.

Offered: Fall, Spring.

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.

Offered: Fall, Spring.

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

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 placement, exposing, mounting, and interpretation of dental radiographs 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, 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 perform expanded functions that are permitted by the Florida laws and rules found in the Florida Statutes 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 to multi-media projects. The course will focus on developing and refining the design concept and the execution strategy.

Offered: Fall, Spring, Summer.

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: Spring.

DIG 2151 - Writing for Media (3)

This course explores the principles and practices of interactive design across various digital and physical mediums. Students will develop interactive experiences that engage audiences through user interaction, spatial design, and emerging technologies. The course emphasizes a concept development, technical execution, and experiential storytelling in interactive media.

Offered: Fall.

DIG 2251 - Introduction to Sound (3)

This course examines sound's impact on digital media, teaching students to design, edit, and integrate audio using industry-standard tools for immersive and engaging multimedia projects.

Offered: Fall, Spring.

DIG 2510 - Business Practices for Creative Industries (3)

This course introduces essential business practices tailored for the creative industry, with a focus on digital media and photography. Students explore business models for the digital age, legal and financial frameworks, effective marketing strategies on digital platforms, and emerging technologies such as NFTs. Emphasizing an entrepreneurial mindset, this course prepares students to establish and manage successful creative businesses through guest lectures, interactive workshops, and real-world case studies.

Offered: Fall, Spring.

DIG 2030 - Fundamentals of Digital Video (3)

This course introduces concepts and principles of producing and assembling digital video and the tools and techniques of video and sound capture. Students will learn story, planning and organizational skills as a part of the pre-production, production and post-production process.

Offered: Fall, Spring, Summer.

DIG 2151 - Writing for Media (3)

This course is designed to introduce students to various forms of writing for media. Students will learn practical techniques for producing strong writing in current trends for media, including writing for search engine optimization.

Offered: Fall.

DIG 2203 - Intermediate Digital Video Production (4)

Students will learn concepts of intermediate pre-production, production and post-production industry standard workflows and trends. Students will work on increasing levels of storytelling based on trends in industry.

Offered: Spring, Summer.

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.

DIG 2500 - Fundamentals of Interactive Media (3)

This course studies the implementation of the foundations of interactive media including user-interface design concept, professional practice, resources, and tools. Students combine multi-media elements to construct an interactive product using industry-standard software.

Offered: Fall, Spring.

DIG 2940 - Internship in Digital Media (3)

This internship course is specifically designed to enhance the learning experience through in-depth reflection and critical analysis of the industry environment.

Offered: Fall, Spring, Summer.

DIG 2974 - Digital Media Capstone (4)

A senior capstone course consisting of one, semester long comprehensive project, and designed to evaluate the student's ability to perform at a professional level. The individual project utilizes all of the skills students have learned throughout their education in the program. Students meet in both group and individual sessions with the instructor to develop and execute their projects.

Offered: Fall, 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 approximate 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.

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 student's 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)

State Course Description (6A-14.0303): In this course, students will learn the foundations of macroeconomics as the branch of economics concerned with how decision-making, in an environment of scarcity, maps onto the aggregate economy. Students will examine theories and evidence related the following core set of topics: national income determination, money, monetary and fiscal policy, macroeconomic conditions, international trade and the balance of payments, and economic growth and development.

Offered: Fall, Spring, Summer.

ECO 2023 - Principles of Microeconomics (3)

This 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 Florida State Board of Education Administrative Rule 6A-10.030 writing requirement. (Prerequisite or Corequisite: ENC1101.)

Offered: Fall, Spring, Summer.

EDE - Education

EDE 1042 - FTCE Test Prep 1 General Knowledge Test of Skills (GKT) (1)

This course is an overview of the required knowledge to be successful on the Florida Teacher Certification

Exam (FTCE): General Knowledge Test (GKT). Topics include test taking tips and essential knowledge in English Language Skills, Reading Comprehension, Mathematics, and Essay writing. This course is an elective for all education majors. Prerequisite: Instructor permission required.

Offered: Fall, Spring, Summer.

EDE 3043 - FTCE Test Prep 2 (1)

This course is an overview of the required knowledge to be successful on the Florida Teacher Certification Exams (FTCE): Professional Education Test and Subject Area Exam. Topics include test taking tips and essential knowledge in FTCE competencies and skills. This course is available to any education major. However, if a student in the Educator Preparation Program Institute (EPI) decided to take it, the course will be taken at the student's own expense as this program does not have embedded elective space.

Offered: Fall, Spring, Summer.

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)

State Course Description: This course provides an overview of Florida's educator certification pathways and career options in education in accordance with Florida Statutes. Topics include: key educational philosophies; professional ethics; legal responsibilities, including mandatory reporting for child abuse and neglect; the Florida Educator Accomplished Practices (FEAP); key instructional practices associated with effective teaching of students with exceptionalities; Florida's state academic standards; and historical, legal and financial foundations of the Florida education systems. Students will explore effective teaching strategies in classroom management, educational technology and the foundations of all student learning needs. Includes a minimum of 15 hours of required clinical experience in a variety of school settings.

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)

This class is designed 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 15 hour clinical experience in an approved public school.

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. 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 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: 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. (Prerequisite: By Instructor Consent)

Offered: Summer.

EDG 2905 - Directed Study in Education (3)

Directed Study in Education (Prerequisite: By Instructor Consent)

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 field experience hours in an approved public school.Â

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.

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.

Offered: Fall.

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.

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.

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)

This course 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: Fall, Spring, Summer.

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: 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 - Internship in Electronics (1-4)

This course offers students with an opportunity to gain hands-on experience in a real working environment. It provides training activities related to organizations including interpersonal relationships, problem solving, goal settings, ethics, policy and procedures, personal development, and organizational structures and cultures. It is recommended that students meet with the Internship Coordinator one semester prior to enrolling in this course. This course cannot be found through the online course search. To be officially registered you must have met with the Internship Coordinator and completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. You will be required to complete 80-320 contact hours in the field based on 1-4 credit hour course requirement. 1 credit=80 contact hrs. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=320 contact hrs. To register contact Department Chair, Anindya Paul at Anindya.Paul@daytonastate.edu, or the Internship Coordinator, Wendy Samuel, at Wendy.Samuel@daytonastate.edu, 386-506-4143.

Offered: Fall, Spring, Summer.

EET 3085 - Electricity and Electronics (3)

This course covers current, voltage, power and energy relationship, resistors, inductors, and capacitors, basic theorems and DC circuit analysis techniques, and circuit simulation. Also included are measurements using digital and analog instruments such as multimeters, power supplies, oscilloscope,

ammeters, voltmeters, signal generators, and an introduction to integrated circuits.

Offered: Fall, Spring, Summer.

EET 3085L - Electricity and Electronics Lab (1)

Lab component for current, voltage, power and energy relationship, resistors, inductors, and capacitors, basic theorems and DC circuit analysis techniques, and circuit simulation. Also included are measurements using digital and analog instruments such as multimeters, power supplies, oscilloscope, ammeters, voltmeters, signal generators, and an introduction to integrated circuits.

Offered: Fall, Spring, Summer.

EET 3086 - Principles of Electrical Circuits (3)

This course covers basic theorems, DC and AC circuit analysis techniques, instruments and measurements, Phasor calculation; steady state response using frequency domain; power generation and power factor; filters and frequency response, and an introduction to integrated circuits.

Offered: Fall, Spring, Summer.

EET 3716 - Network Analysis (3)

This course covers transient analysis of first and second-order circuits; circuit analysis using Laplace Transforms; transient and steady-state response; transfer function; frequency response bode plots, and analog filters.

Offered: Fall.

EET 4158 - Linear Integrated Circuits (3)

The topics covered in this course include generic amplifiers, Op-amps; ideal operational amplifier; inverting and non-inverting; summing circuits; DC and AC limitations; applications; integrators, differentiators, comparators, oscillators and active filters.

Offered: Spring.

EET 4158L - Linear Integrated Circuits Lab (1)

Linear Integrated Circuits Lab

Offered: Spring.

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)

This course covers time and frequency domain modeling; analysis of networks and control systems; time response; block diagram reduction, Bode plots, root locus, stability, compensation considerations, and digital simulation techniques.

Offered: Spring.

EET 4732L - Feedback Control Systems Lab (1)

Lab component for: time and frequency domain modeling; analysis of networks and control systems; time response; block diagram reduction, Bode plots, root locus, stability, compensation considerations, and digital simulation techniques.

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 field experience in the public schools with at least one ESE student. This course may be offered during the FA and SP terms.

Offered: Fall, Spring, Summer.

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)

This is a non-categorical course designed to introduce inclusive educators to the characteristics, evaluation, and identification of students with exceptionalities. This course examines current issues, legislation, litigation, education reform, strategies, and interventions in working with students

with disabilities, their families, and other professionals. (Prerequisite: By Instructor Consent)

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 hours in an approved public school with at least one ESE student.

Offered: Fall, Spring.

EEX 4221 - Assessment of Exceptional Education Students (3)

This course explores a range of assessment strategies used for diagnosing and addressing the learning, behavioral, and developmental needs of students eligible for Exceptional Student Education (ESE) services. Emphasis is placed on the development of Individualized Education Plans (IEPs) to ensure alignment between curriculum, instructional methodologies, and assessment practices to effectively support student needs. This course requires field experience in an approved public school.

Offered: Fall, Spring.

EEX 4242 - Teaching Exceptional Students in Secondary Schools (3)

This course provides an in-depth examination of instructional interventions, evidence-based approaches, current issues, curriculum design, and learning strategies tailored for adolescents with exceptional needs in secondary education settings. This course requires field experience hours in an approved public school.

Offered: Fall, Spring.

EEX 4265 - Curriculum and Instruction for Students with Disabilities 6-12 (3)

This course focuses on developing the knowledge and skills essential for exceptional student educators to effectively support students with disabilities in grades 6-12. Emphasis is placed on specialized methods and instructional strategies tailored to meet the unique needs of these students. This course requires field experience hours in an approved public school.

Offered: Fall, Spring.

EEX 4483 - Differentiated Instruction (3)

Differentiated Instruction

EEX 4601 - Behavior Management (3)

This course provides an in-depth exploration of effective behavior management principles for both general and exceptional students in preschool through grade 12 educational settings. Emphasis is placed on the historical foundations of behavior, disciplinary implications, and the assessment, measurement, charting, and modification of behavior. Students will engage in observation, analysis, and practical application of these principles, with a focus on supporting learners with diverse linguistic, cultural, behavioral, and learning characteristics. This course requires field experience in an approved public school.

Offered: Fall, Spring.

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. (Prerequisites: 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)**

This is an introductory course in descriptive geometry, engineering graphics, and drafting principles including orthographic projection, isometric drawings, and engineering problem layout.

Offered: Summer.

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 mathematical skills in engineering and technology problems solving. Concepts through derivatives of algebraic and transcendental functions, techniques of differentiation, applications of derivatives, differentials, optimization and plane areas are covered. This course will be taught specifically by a faculty with an engineering background and industrial experience.

Offered: Fall, Spring.

EGN 3046 - Engineering and Technology Calculus II (3)

This course presents complex numbers and the applications; sequences and series; arithmetic sequences and partial sums; geometric sequences and series; mathematical induction and the binomial theorem. It also covers antiderivatives, definite integrals, techniques of integration, applications of integrations, differentiation and integration in polar form. First order differential equations, second order differential equations, higher order differential equations, Laplace Transforms, numerical integration and an introduction to Matlab are included.

Offered: Spring, Summer.

EGN 3214 - Programming for Engineers (3)

This course covers computer programming fundamentals as they are used to solve engineering problems. Basic input and output, conditional logic, loops, and use of computing libraries such as plotting and using numerical functions are all covered. Students will produce technical engineering reports based on the computing solutions they develop to solve engineering problems.

Offered: Summer, Fall.

EGN 3311 - Statics (3)

Topics in this course include 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, and analyses of structures.

Offered: Fall, Spring.

EGN 3321 - Dynamics (3)

Topics in this course include 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: Fall, 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: Summer.

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.

Offered: Fall.

EGN 3443 - Probability and Statistics for Engineers (3)

This course applies mathematical and scientific principles to solve a wide variety of practical problems in Engineering Professions. It contains probability and statistical analysis for these problems and develops related Engineering graphs, charts, and measurements.

Offered: Fall.

EGN 3613 - Engineering Economics Analysis (3)

This course includes the application of principles of engineering economics to the acquisition of equipment and system feasibility. The course covers the economic evaluation of engineering alternatives. The main topics include, calculating project costs, interest rate of return, and inflation rates, as well as tax implications, risk, and depreciation to assess the relative worth of engineering projects versus generic investment alternatives.

Offered: Spring, Summer.

EGS - Engineering (Support)**EGS 1000 - Professional Performance for Technicians (3)**

In this course, students will learn the essential skills and knowledge required for success in technical and technology-focused careers. This course introduces students to professional training activities related to organizations including interpersonal relationships, professional communication, problem solving, goal settings, ethics, decision making, personal development, and learning about 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: Summer.

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. Students will evaluate technology resources and expectations, determining the appropriate use in 6-12 math and science classrooms.

Offered: Fall.

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 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.

Offered: Fall, Spring, Summer.

EMS 2603C - Paramedic I and Lab (12)

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 Internship (4)

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 Emergency Department Clinical (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 Field and Specialty Clinical (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, Summer.

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)

State Course Description (State Rule 6A-14.0303): This course introduces students to rhetorical concepts and audience-centered approaches to writing including composing processes, language conventions and style, and critical analysis and engagement with written texts and other forms of communication.

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 research, synthesis and argument. This course contributes to satisfying the Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills. 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.

ENC 2990 - English (0)

English

ENC 2998A - English (3)

English

ENC 2999 - English (3)

English

ENC 2999A - English (3)

English

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.

EIN - Industrial Engineering

EIN 3314 - Work Design and Measurement (3)

This course will provide tools and methods for evaluating current job processes and ergonomics and provide methods for improvement. The techniques will be used for optimizing safety, increasing efficiency, and improving productivity.

Offered: Spring.

ESI - Industrial Systems Engineering

ESI 4312 - Operations Research (3)

This course covers the basics techniques and methods for modeling and optimizing systems. Students learn how to compute solutions of various optimization problems. Applications to production, logistics, and service systems are discussed.

Offered: Spring.

HSA Health Services Admin

HSA 4340 - Principles of Human Resources Management (3)

The course provides an in-depth exploration of key principles and strategies in human resource management (HRM), with a specific focus on their applications within the context of health care organizations. Students will gain an understanding of the major issues related to the development and implementation of HRM strategies, as well as the legal and ethical considerations in the healthcare industry.

Offered: Fall, Spring, Summer.

HSA 4502 - Health Care Risk Management (3)

This course explores concepts of health care risk management, highlighting key areas like medical malpractice and employment practices. Attention is given to risk reduction techniques, with a focus on the evolving landscape influenced by electronic medical records. Students will explore regulatory environments, ethical considerations, and diverse risk management approaches applicable across various health care settings.

Offered: Fall, Spring, Summer.

ISS Social Sciences

ISS 1301 - Introduction to Social Research (3)

An introduction to the foundational principles, tools, and techniques of research in Social Science disciplines, facilitating a working knowledge of research and its application to the real world.

Offered: 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. (Prerequisite: By Instructor Consent).

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 course that requires field experience in an approved public school.

Offered: Fall, Spring.

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.

Offered: Spring.

ETC 4241 - Construction Materials and Methods (2)

This course covers construction principles, materials, methods, and details used in the construction of buildings and other facilities. Major topics include load calculations, building codes, major structural systems, construction materials wood, steel, reinforced concrete, masonry, and their applications. Course includes soil properties, foundation systems, excavation, earthmoving operation calculations, and topics on sustainability. Lab activities include building codes, construction materials and properties, construction failures, and other related topics.

Offered: Spring.

ETC 4241L - Construction Materials and Methods Lab (1)

Lab component for construction principles, materials, methods, and details used in the construction of buildings and other facilities. Major topics include load calculations; building codes; major structural systems; construction materials such as, wood, steel, reinforced concrete, masonry, and their applications. Other topics included are soil properties, foundation systems, excavation, earthmoving operation calculations, and sustainability. Lab activities include building codes, construction materials and properties, construction failures, and other related topics.

Offered: Spring.

ETC 4414C - Structural Steel Design and Lab (3)

This course is an introduction to the design of steel building structures. The students will learn the main concepts used in the design of steel members, connections and assemblies. The behavior of structural members as related to design is also discussed.

Offered: Fall.

ETC 4415C - Structural Concrete Design and Lab (3)

This course is an introduction to the analysis and design of reinforced concrete building structures. The concepts, materials, and code practices routinely used in the design of reinforced concrete members and structural systems will be presented. The behavior of building members as related to design will be discussed.

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)

This is an advanced course in computer aided drafting covering external references, dynamic blocks, meshes, customization, table-driven design, advanced rendering and 3-D modeling.

Offered: Spring, Summer.

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 2371 - Additive Manufacturing I (3)

This course covers the design processes and skills necessary to construct prototypes and models for 3D printing parts as prototypes and final products.

Offered: Fall.

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)

An introductory course in 3D animation for technical graphics that includes object creation, editing, lighting, materials, keyframing and rendering.

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.

Offered: Fall.

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: Summer.

ETD 2805C - Technical Illustration and Lab (3)

Methods and techniques of pictorial drawing as related to mechanical and industrial graphics using AutoCAD.

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 - Internship in Engineering (1-4)

This course offers students with an opportunity to gain hands-on experience in a real working environment. It provides training activities related to organizations including interpersonal relationships, problem solving, goal settings, ethics, policy and procedures, personal development, and organizational structures and cultures. It is recommended that students meet with the Internship Coordinator one semester prior to enrolling in this course. This course cannot be found through the online course search. To be officially registered you must have met with the Internship Coordinator and completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. You will be required to complete 80-320 contact hours in the field based on 1-4 credit hour course requirement. 1 credit=80 contact hrs. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=320 contact hrs. To register contact Department Chair, Anindya Paul at Anindya.Paul@daytonastate.edu, or the Internship Coordinator, Wendy Samuel, at Wendy.Samuel@daytonastate.edu, 386-506-4143.

Offered: Fall, Spring, Summer.

ETG 3533 - Engineering Strength of Materials (2)

This course covers relationships between external forces and action of members of determinate structures. It covers theories for the analysis and determination of internal stresses due to applied loads on structures. Topics include normal, bending, and shear stresses, thermal stress, axial deformations, angle of twist, and flexural deformations. Basic topics include shear and moment diagrams, deflections, beams, columns, pressure vessels, and Mohr's circle. Lab activities

include exercises on the analysis of pressure vessels and stress concentration computation, demonstration of deformation and stress calculation under loading.

Offered: Spring.

ETG 3533L - Engineering Strength of Materials Lab (1)

Lab component for the relationship between external forces and the reactions of the members of a structure. It focuses on the determination of internal stresses due to applied loads on structures. Topics include normal, bending, and thermal stresses; axial deformations; angle of twist; and flexural deformations. Other topics include shear and moment diagrams, deflections, beams, columns, and Mohr's circle. Lab activities include pressure vessels, stress concentration computation, virtual demonstrations of deformations and stress under loading, and shear and moment diagrams.

Offered: Spring.

ETG 3541 - Applied Mechanics and Physics (3)

This course covers Newton's Laws, coplanar, parallel, concurrent, and non-concurrent force systems, internal force determinations, centroid calculations, centers of gravity, and moments of inertia. It also covers the principles of static equilibrium, motion dynamics, rectilinear motion, rotation, work, energy, mechanical 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)

In this course the students will work in groups involving project planning, development, and evaluation of a real-life problem. The course will also include the evaluation of alternatives, selecting the proper solution, testing, and implementing production of a new product. Students will be required to finalize the BOM, select suppliers, and estimate mass production costs. In addition, the students will be identifying federal and state regulations affecting the designed product. At the end of the course the students will close the project and deliver a final prototype with all related documents. A final presentation will be required for this course.

Offered: 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: Summer, 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, Summer.

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.

ETI 1852C - Aerospace Mechanics and Mechanical Systems (3)

This course provides a comprehensive overview of spacecraft launch systems and their constituent subsystems. Students will gain a deep understanding of the fundamental principles, technologies, and engineering practices involved in designing, developing, and operating these complex systems. The course covers a wide range of topics, including propulsion systems, structures, guidance, navigation, and control (GNC), avionics, and launch vehicle integration.

Offered: Fall.

ETI 1852C - Aerospace Composites and Materials Testing (3)

This course provides a comprehensive overview of composite materials, their properties, and their applications in engineering. Students will gain knowledge of materials testing techniques to evaluate the mechanical properties of materials, including composites. Additionally, the course will delve into the fundamental principles of applied mechanics, such as stress, strain, and failure analysis.

Offered: 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: Fall.

ETI 2856C - Aerospace Structural Fabrication (3)

This course provides comprehensive knowledge and practical skills in the field of structural fabrication. It covers the principles, techniques, and applications of fabricating structural components used in various engineering projects. The course emphasizes safety, quality control, and the use of modern fabrication technologies.

Offered: Spring.

ETI 2947 - Cooperative Education Experience in Advanced Manufacturing Technology 1 (1)

This course is designed to provide students with the opportunity to apply classroom theory of machine reliability and problem-solving in an advanced manufacturing company setting. Students are required to complete 80 contact hours in the field based on a 1 credit hour course requirement. To be officially registered for the course, students must be accepted into the FAME program and complete the

Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. To register contact Anindya Paul at Anindya.Paul@daytonastate.edu, or Faith Bryant at Faith.Bryant@daytonastate.edu, 386-506-4143.

Offered: Spring.

ETI 2948 - Cooperative Education Experience in Advanced Manufacturing Technology 2 (1)

This course is designed to provide students the opportunity to apply classroom theory of safety culture in an advanced manufacturing company setting. Students are required to complete 80 contact hours in the field based on a 1 credit hour course requirement. To be officially registered for the course, students must be accepted into the FAME program and complete the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. To register contact Anindya Paul at Anindya.Paul@daytonastate.edu, or Faith Bryant at Faith.Bryant@daytonastate.edu, 386-506-4143.

Offered: Fall.

ETI 2949 - Cooperative Education Experience in Advanced Manufacturing Technology 3 (1)

This course is designed to provide students with the opportunity to apply classroom theory of lean manufacturing and quality control in an advanced manufacturing company setting. Students are required to complete 80 contact hours in the field based on a 1 credit hour course requirement. To be officially registered for the course, students must be accepted into the FAME program and complete the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. To register contact Anindya Paul at Anindya.Paul@daytonastate.edu, or Faith Bryant at Faith.Bryant@daytonastate.edu, 386-506-4143.

Offered: Summer.

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: 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)

This course provides a study of the fundamental properties of materials used in industry. Topics include metals and metal alloys, including ferrous and non-ferrous, phase-diagrams, polymers, composites, and ceramics. It also covers industrial practices in casting, forming, joining, shaping, machining, glass working and printing. Other topics covered include heat treatment, surface roughness and its impacts.

Offered: Fall.

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)

This is a capstone course that includes statement of work, milestones, activity decisions, timelines, scheduling, and resource allocation methods. The course will examine engineering projects and the functions of planning, organizing, managing, and controlling. The course utilizes project management tools and techniques to execute and monitor a real-life product design and development utilizing a full range of management approaches and decision-making to create prototypes and deliver a product. A final presentation will be required for this course.

Offered: Fall.

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)

This course will provide an overview of the tools and techniques used in the ten important decision areas related to operations. It introduces students to the fundamental concepts of operations management in engineering. The course will also review realistic case studies for best practices in decision making and operations management.

Offered: Spring.

ETI 4704 - Occupational Safety (3)

In this course, students will explore the health and safety issues of various types of work. Students will gain an understanding of the current state of occupational safety and health in the United States and globally, including the enforcement of laws regulating occupational safety and health, and the roles of workers, unions, and employers. The historical, economic, and cultural forces contributing to and inhibiting solutions to occupational safety and health problems will be analyzed.

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, Summer.

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)

This course covers energy and its production, work, and thermal systems and processes. Topics include energy mechanics, laws of thermodynamics, heat and work, energy conservation and heat-transfer control. Electricity generation and distribution of energy from renewable and non-renewable resources, efficiency, and effects on the environment are also covered.

Offered: Spring.

ETM 4331 - Applied Fluid Mechanics (3)

This course is an introduction to fundamental topics in fluid properties, fluid statics, flow of ideal fluids, continuity of mass, impulse and momentum principles, conservation of energy, and flow of fluid in pipes.

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)**

This course covers single phase and three phase AC circuit analysis and power calculations, energy conversion, analysis of electrical power transmission systems. It also includes, electromagnetics, single and three phase transformers, rotating machines,

per-unit quantities, circuit constants, power flow 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: 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: Spring.

ETS 3543C - Programmable Logic Applications and Device and Lab (3)

This course presents logic fundamentals as it applies to the programming of programmable logic controllers (PLC). Concepts covered include binary representation of data, base conversion, Boolean logic and ladder diagrams. Control of relays, sensors, actuators, and industrial controls as PLC input and output instructions are presented.

Offered: Fall, Spring, Summer.

ETS 4502C - Metrology and Instrumentation and Lab (3)

This course covers the theory, procedures and techniques essential to industrial measurements. Topics include calibration; precision measurement and its relationship to geometric tolerances; and quality assurance using manual and automated gauges, checking fixtures, laser, and other non-

contact measuring systems. Coverage is extended to statistical analysis; process control; and numerical techniques for calculating engineering quantities such as displacement, area, volume, temperature, pressure, flow, force, and motion.

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)

State Course Description (6A-14.0303): This course is a survey of basic chemical, biological, and physical principles of environmental science and their applications to environmental issues. This course is appropriate for students in a wide range of disciplines or programs.

Offered: Fall, Spring, Summer.

EVR 2001L - Introduction to Environmental Science Lab (1)

This is a laboratory course that compliments EVR 2001 which will apply and investigate the scientific

principles, concepts, and methodologies required to understand the interrelationships of the natural world, identifying, analyzing and finding solutions or preventive measures for environmental problems.

Offered: Spring.

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: Spring.

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, Fall.

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.

EVR 2943 - Environmental Internship (3)

This course provides students with meaningful work experience in the field of environmental science. This course is repeatable for credit one time.

Offered: Spring, Summer.

EVS - Environmental Science

EVS 2005C - Treatment of Water and Wastewater and Lab (3)

This course will reinforce key concepts to students regarding source water characteristics; treatment facility processes, treatment goals, and process control techniques required to prepare technicians for a career in water and wastewater treatment.

Offered: Summer.

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 0030 - Firefighter I (191)

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 a prerequisite to FFP0031 for those desiring to become state certified firefighters.

Offered: Fall, Spring.

FFP 0031 - Firefighter II (301)

This course 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 FFP0030 to participate in this course.

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.

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.

FIN 3403 - Business Finance (3)

This course is an introduction to financial analysis and decision-making from a managerial perspective. Topics include financial statement analysis, financial planning and forecasting, time value of money with analysis and computation tools, risk and rates of return, asset valuation, and capital budgeting.

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: 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.

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.

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: 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.

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.

Offered: Spring.

FRE 2220 - Intermediate French Reading and Conversation I (4)

A continuation of FRE1121. 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.

Offered: Fall.

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.

Offered: Spring.

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.)

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.

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.

FSS 1240C - Contemporary American Cuisine and Lab (3)

Preparing modern American cuisine with emphasis on regional influences and contemporary presentation techniques.

Offered: Fall, Spring.

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: 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 responsibility. Contemporary ethics and the role of personal integrity are explored within the context of the modern American business environment. This course contributes to satisfying the Florida State Board of Education Administrative Rule 6A-10.030 writing requirement.

Offered: Fall, Spring, Summer.

GEB 2905 - Directed Study in Business (1)

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 (3)

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. Students must be at Senior level status when registering for this course.

Offered: Fall, Spring, Summer.

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. Students must be at Senior level status when registering for this course. This course is repeatable for credit two (2) times.

Offered: Fall, Spring, Summer.

GEB 4931 - Selected Topics in Project Management (3)

Current project management topics, issues, and trends pertinent to supervisors and managers are discussed. This course reviews project management fundamentals and prepares students to the industry-recognized PMI (Project Management Institute) PM Ready Certification.

Offered: Fall, Spring.

GEB 4932 - Selected Topics in Supply Chain Management (3)

This course introduces students to the principles of supply chain management. Selected topics will

include supply chain design, performance, technologies, trends, issues, and opportunities.

Offered: Fall, Spring.

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.

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.

Offered: Spring.

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.

Offered: Fall.

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.

Offered: Spring.

GER 2905 - Directed Study in German (1)

Directed Study in German (Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

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.

Offered: Spring.

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.

Offered: Fall.

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.

Offered: Spring.

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: Fall, Spring, Summer.

GRA 2134 - Interactive Design (3)

This course introduces students to planning and designing user experiences for mobile and web products. Emphasis is placed on user experience, user interface and atomic design methodology.

Offered: Fall.

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 Services

HEV 0870 - Child Care Worker 1 (150)

This course includes competencies in developing lesson plans, child development theories, factors that affect the development of a child, and developmentally appropriate practices and activities for infants/toddlers and preschoolers. This course also covers components on working with students with special needs, classroom management techniques, creating optimum environments for all children; as well as mandatory competencies from the Department of Children and Families (DCF) Introductory Child Care Training coursework.

Offered: Fall.

HEV 0871 - Child Care Worker 2 (150)

This course includes competencies on professionalism, community resources, the importance of relationship skills and communicating with children's families, history of school-age care, infant-toddler developmentally appropriate guidance activities, and observing and recording methods; as well as mandatory competencies from the Department of Children and Families (DCF) Introductory Child Care Training coursework.

Offered: Fall.

HEV 0872 - Teacher Aide (Preschool) (150)

This course includes competencies in developing lesson plans, child development theories, factors that affect the development of a child, and developmentally appropriate practices and activities for infants/toddlers and preschoolers. This course also covers components on working with students with special needs, classroom management techniques, and creating optimum environments for all children.

Offered: Spring.

HEV 0873 - Preschool Teacher (150)

Students will acquire competence in the areas of creating a developmentally appropriate curriculum, mentoring, and developing the ability to motivate children. They will recognize cultural differences and children with special needs when planning activities by examining recent trends and issues in early childhood education and exhibit professionalism.

Offered: Spring.

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 1937 - Selected Topics in the Hospitality Industry (2)

This course provides students with an understanding of key aspects and concepts of the hospitality industry. Students will learn the necessary tools to maximize opportunities for professional success. Topics include current hospitality management topics,

issues and trends pertinent to supervisors and managers in the industry.

Offered: Fall, Spring.

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: 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.

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: 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, Summer.

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, Summer.

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.

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: 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.

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.

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: Summer.

HFT 3700 - Tourism Management (3)

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.

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 and 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: 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.

HFT 4809 - Management of the Foodservice Industry (3)

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: 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 classification systems, abstraction

of patient data from the medical record and assignment of ICD-10-CM diagnostic 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: Summer.

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.

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 HIM2253 Beginning CPT. Lectures will focus on outpatient procedure coding using the most current CPT coding book. This in-depth study will prepare the student to participate in revenue cycle management activities within a healthcare organization. Throughout the course, the student will engage in hands-on learning using electronic healthcare record (EHR) software. Students must complete this course with a grade of "C" or higher.

Offered: Spring.

HIM 2400 - Health Records in Alternate Settings (2)

The student will explore a variety of medical settings that require coding and billing. This includes hospice, physician's offices, emergency departments,

clinicals, nursing homes, and more. This course will allow the student to continue improving their quality and accuracy in code selection based on the official guidelines for coding and reporting, along with other official coding references. By comparing the differences and similarities of medical coding at these varied sites, the student will gain a better idea of where they may find employment after graduation. Students must complete this course with a grade of "C" or higher.

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 - Coder Biller Pharmacology (1)

This course will introduce the student to the most common drugs and laboratory tests utilized in medicine.

Offered: Summer.

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: Spring.

HIM 2800 - Coding Professional Practice Experience I (1)

This practicum course will enable the student to gain hands-on practice with actual patient medical records for ICD-10-CM, CPT and HCPCS coding. Students will attend a professional AAPC (American Academy of Professional Coders) meeting to begin forming professional relationships. Students will practice the basic employability skills of resume writing and job interviewing to be prepared to make the transition from school to career. Students must complete this course with a grade of "C" or higher.

Offered: Fall.

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.

HLP 2998 - Health/Phys Ed Requ (3)

Health/Phys Ed Requ

HLP 2999 - Health Phys Ed Requ (3)

Health Phys Ed Requ

HSA - Health Services Administration

HSA 3101 - U.S. Healthcare Systems (3)

This course examines health delivery and health systems in the U.S. and other countries. It considers the management issues which affect delivery of care, social concerns, health regulation, policy and politics, and other relevant issues. This course also covers topics and developments in payment methods, health insurance delivery, and population health.

Offered: Fall, Spring, Summer.

HSA 4107 - HealthServices Administration (3)

This course provides an overview of management and leadership concepts in healthcare, including in hospitals, long-term care, ancillary services, and public agencies. It includes discussions in legal and regulatory concepts in healthcare, policy development, planning, organizing, staffing, and leading departments and facilities.

Offered: Fall, Spring, Summer.

HSA 4170 - Healthcare Revenue Cycle Management (3)

This course covers the process of how to analyze Revenue Cycle Management (RCM) concepts for public and private payer sources along the continuum of care including contractual components, health insurance, reimbursement, costs of care, managed care, and other current trends. It will equip students to take an active role actively participate in RCM in the front-end, middle, and back-end processes. It is recommended that students take ACG3024 Accounting for Non-Financial Majors prior to taking this course, though it is not required.

Offered: Fall, Spring, Summer.

HSA 4383 - Quality Management and Process Improvement (3)

This course addresses the principles and mechanics of healthcare quality and process improvement, including quality management tools, methods, and cultural concepts. It is recommended, not required, that students take HSA4107 Health Services

Administration and HSA4170 Healthcare Revenue Cycle Management prior to taking this course.

Offered: Fall, Spring.

HSA 4947 - Capstone Project in Healthcare Management (3)

This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. A 90-hour externship with an approved organization/clinical site is required for this course.

Offered: Fall, Spring.

HSA 4353 - Organizational Behavior (3)

This course explores the theoretical and research contributions of behavioral sciences to management and administration within healthcare organizations. The content is approached from both individual and organizational perspectives, covering key areas such as communication, motivation, conflict, decision-making, goal setting, leadership, organizational design, climate, development, and control.

Offered: Fall, Spring, Summer.

HSC - Health Sciences

HSC 0005 - Healthcare Concepts for the Massage Therapist (55)

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.

Offered: Fall.

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)

Medical terminology is the study of the principles of a medical word building to help the student develop the extensive medical vocabulary used in health care occupations. Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body through a study of root words, prefixes and suffixes.

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.

HSC 3730 - Research Methods for Health Professions (3)

This course reviews why research is important, the research process, and how it develops knowledge for evidence-based practice in the health professions. This course will explore a variety of research methodologies, analysis strategies, and emphasize the skills a health care professional needs to acquire and contribute knowledge that will benefit their patients.

Offered: Spring, Summer.

HSC 4550 - Pathophysiology for Health Care (3)

This course covers how alterations in homeostasis and in cellular function leads to diseases of various systems which may include immune, muscular, skeletal, integumentary, nervous, cardiovascular, respiratory, digestive, endocrine, urinary and reproductive systems.

Offered: Fall, Spring.

HSC 3730 - Research Methods for Health Professions (3)

This course reviews why research is important, the research process, and how it develops knowledge for

evidence-based practice in the health professions. This course will explore a variety of research methodologies, analysis strategies, and emphasize the skills a health care professional needs to acquire and contribute knowledge that will benefit their patients.

Offered: Spring, Summer.

HSC 4645 - Legal and Ethical Aspects of Health Care (3)

This course reviews how to navigate the numerous legal and ethical issues that health care professionals face every day. This course will overview the laws and ethics needed for health care professionals to give competent and quality care to patients within legal and ethical boundaries.

Offered: Summer, Fall.

HUM - Humanities**HUM 2020 - Introduction to Humanities (3)**

State Course Description (6A-14.0303): In this course, students will learn about the creative ideas and accomplishments of various cultures in various fields of humanities that may include art, architecture, drama, history, music, literature, philosophy, and religion. The course will include cultural expressions from the western canon and may also include expressions from around the globe.

Offered: Fall, Spring, Summer.

HUM 2230 - Renaissance to Postmodern Humanities (3)

A continuation of HUM2210, beginning with the high Renaissance and concluding with the early 20th century, including works from the Western canon. This course contributes to satisfying the Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills. NOTE: HUM2210 is NOT a prerequisite for HUMANITIES 2230. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring.

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.

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.

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.

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 specialized software used to convey effective visual communication in the interior design industry. Focusing on industry leading programs such as Sketch-Up Pro, 2020 Design for Kitchen Bath, and Revit, students will learn general skills and tools needed to develop impressive industry projects as well as breathtaking portfolio quality projects.

Offered: 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: Fall.

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 - Internship in Interior Design (1-3)

This course offers students with an opportunity to gain hands-on experience in a real working environment. It provides training activities related to organizations including interpersonal relationships, problem solving, goal settings, ethics, policy and procedures, personal development, and organizational structures and cultures. It is recommended that students meet with the Internship Coordinator one semester prior to enrolling in this course. This course cannot be found through the online course search. To be officially registered you must have met with the Internship Coordinator and completed the Cooperative Education Learning Plan (with all signatures) and Cooperative Education Training Assignment/Registration. You will be required to complete 80-320 contact hours in the field based on 1-4 credit hour course requirement. 1 credit=80 contact hrs. 2 credits=160 contact hrs. 3 credits=240 contact hrs. 4 credits=320 contact hrs. To register contact Department Chair, Anindya Paul at Anindya.Paul@daytonastate.edu, or the Internship Coordinator, Wendy Samuel, at Wendy.Samuel@daytonastate.edu, 386-506-4143.

Offered: Fall, Spring, Summer.

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)

An analysis of interactions among nations; power and national interests; and the role of international organizations.

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 (3)

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. Prepares students for the industry-recognized CyberSAFE (Securing Assets for the End User) Credential by Logical Operations. Students must be at Senior-level status when registering for this course.

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.

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.

Offered: Fall, Spring.

ITA 2220 - Intermediate Italian Reading and Conversation I (4)

A continuation of ITA1121. 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.

Offered: Fall.

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.

Offered: Spring.

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.)

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.)

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.)

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: Spring, Summer.

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.

Offered: 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.

LIT - English Language and Lit

LIT 2000 - Literature and Culture (3)

State Course Description (6A-14.0303): In this course, students will be assigned readings representative of a broad range of literary genres and cultures. These readings will cover a variety of literary movements and historical eras. The readings will include selections from the western canon. Written analysis of literary works may be required. Students will be provided with opportunities to practice critical interpretation.

Offered: Fall, Spring, Summer.

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 Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills.

Offered: Spring.

LIT 2110 - Masterpieces of World Literature I (3)

A study of world masterpieces from the time of the Old Testament through the Renaissance, including works from the Western canon. This course contributes to satisfying the Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Summer, Fall.

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, including works from the Western canon. This course contributes to satisfying the Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Spring.

MAC - Mathematics

MAC 1105 - College Algebra (3)

State Course Description (State Rule 6A-14.0303): In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of equations, functions, and their graphs. Emphasis will be placed on quadratic, exponential, and logarithmic functions. Topics will include solving equations and inequalities, definition and properties of a function, domain and range, transformations of graphs, operations on functions, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications.

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.) degree.

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 or passed MAC1140 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)

State Course Description (State Rule 6A-14.0303): In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of limits, derivatives, and definite and indefinite integrals of functions of one variable, including algebraic, exponential, logarithmic, and trigonometric functions, and applications. Topics will include limits, continuity, differentiation and rates of change, optimization, curve sketching, and introduction to integration and area.

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 is intended to increase mathematics subject knowledge for students studying to be elementary school or ESE teachers. The course also includes study and test-taking strategies for Florida's licensure examinations. Topics include number and operations, algebraic thinking, fractions, measurement, data analysis and statistics, and geometric concepts.

Offered: Fall, Spring, Summer.

MAE 4326 - How Children Learn Mathematics (3)

This course provides pre-service teachers with mathematics subject knowledge and strategies for teaching mathematics in the elementary classroom. This course requires field experience hours in an approved public school.

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. Pre-service teachers will examine the development of mathematical concepts and apply mathematical problem-solving skills.

Offered: Fall, Spring, Summer.

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. Students must be at Junior level status when registering for this course.

Offered: Fall, Spring, Summer.

MAN 3350 - Training and Development (3)

This course examines training and development fundamentals, relevant applications, and cases. It focuses on approaches to gathering and determining training and development activities and practices, delivery and interpretation of effective training and development programs, and how knowledge transfer and sharing among employees is used at work.

Offered: Fall.

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. Students must be at Junior level status when registering for this course.

Offered: Fall, Spring, Summer.

MAN 3570 - Purchasing and Materials Management (3)

This course introduces students to the concepts, principals, and techniques of purchasing and materials management. Students will develop a basic knowledge of procurement, pricing, supply selection, make or buy decisions, and materials management concepts.

Offered: Fall.

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: Fall.

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 is a study of customer relations, which is key to understanding customer motivation. Topics covered include, but are not limited to, building and maintaining relationships, communication skills, and developing a service culture. 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 4320 - Recruitment and Selection (3)

This course examines recruitment and selection fundamentals, relevant applications, and cases. It focuses on approaches to gathering and determining recruitment and selection methods through the use of technology to support effective and efficient recruitment and selection practices and to attract qualified applicants. Strategic designs and evaluations are reviewed and assessed along with talent acquisition activities and how they are used in the workplace to meet organization needs.

Offered: Spring.

MAN 4330 - Compensation and Benefits (3)

This course examines all components of employee compensation, incentives, benefits fundamentals, and relevant applications and cases in order to understand strategic decisions for pay and to identify the laws governing employee compensation and benefits. It focuses on approaches to gathering and determining compensation and benefits, labor market data collection and interpretation, pay practices and issues, and how they are used in the workplace.

Offered: Spring.

MAN 4402 - Employment Law (3)

This course is designed to give students an in-depth understanding of major employment laws and regulations that most commonly affect the workplace. Topics include, the hiring process, employment discrimination, affirmative action, privacy issues, harassment, and the termination process. Key employment regulations such as, the Americans with

Disabilities Act (ADA), the Fair Labor Standards Act, Title VII, the Civil Rights Act, the Equal Employment Opportunity Act, and the Family and Medical Leave Act are among the topics covered.

Offered: Fall.

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 Institute based on experience.

Offered: Fall, Spring.

MAN 4583 - Applied Project Management (3)

This course will enable students to effectively use industry recognized project management software (Microsoft Project 2021).

Offered: Fall, Spring.

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 4597 - Global Supply Chain Management (3)

This course provides an overview of supply chain management including the management of sourcing, the flow of goods and services from point of origin to point of consumption, and distribution processes along a supply chain. Topics include supply chain network design, purchasing, forecasting, warehousing, inventory management, globalization and outsourcing, logistics, and information technology.

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 Practitioner (PMI-ACP) certification exam by Project Management Institute based on experience.

Offered: Fall.

MAN 4900 - Capstone Project in Supervision and Management (3)

This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. This course should be taken during the last semester of the Supervision and Management program. Students must be at Senior level status when registering for this course.

Offered: Fall, Spring, Summer.

MAN 4901 - Capstone Project in Human Resource Management (3)

This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. Students must be at Senior level status when registering for this course.

Offered: Fall, Spring.

MAN 4905 - Directed Study in Supervision and Management (1)

Directed Study in Supervision and Management.

Offered: Fall, Spring, Summer.

MAN 4930 - Capstone Project in Supply Chain Management (3)

This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. Students must be at Senior level status when registering for this course.

Offered: Fall, Spring.

MAN 4931 - Capstone Project in Project Management (3)

This course focuses on the integration of knowledge, skills, and abilities learned in the program through a capstone project. Students are also prepared to sit for the industry certifications of Project Management Professional (PMP®) or Certified Associate in Project Management (CAPM®) based on experience. Students must be at Senior level status when registering for this course.

Offered: Fall, Spring.

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.

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 (3)

This course introduces students to the steps and strategies necessary for marketing products on the Internet. Among the topics are mobile apps, SEO, social media marketing, virtual reality and analytics. Emphasis is on tools, techniques, challenges and decision-making ability needed to participate in this rapidly growing sector of the economy.

Offered: Fall.

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. (MAT 0018C 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. MAT 0022 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. MAT 0055L cannot be used toward A.A. or A.S. degree requirements. FA, SP, SU

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. MAT 0056L 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 MAT 0028C 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 MAT 0028C 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)

Special topic/research-oriented course for students who want to pursue further study in an area of Microbiology. Students will work with an instructor to develop the study topic and scientific analysis.

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 and the 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.

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.

MGF - Mathematics**MGF 2130 - Mathematical Thinking (3)**

State Course Description (State Rule 6A-14.0303): Students will utilize multiple means of problem solving through student-centered mathematical exploration. Students will think more effectively and vastly increase their problem-solving ability through practical application and divergent thinking. This course is appropriate for students in a wide range of disciplines/programs. (prerequisite: appropriate placement scores or 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.

MGF 2131 - Mathematics in Context (3)

Students will prepare to be well-informed citizens who can reason and can apply analytical, statistical, and computational methods to the challenges of a globally diverse and technologically rich environment. This part of the GEP is designed to familiarize students with fundamental problem-solving concepts, frameworks, and paradigms that will equip them to logically solve a variety of real-world problems. Courses which utilize problem solving stress the development of critical thinking skills as well as students' decision-making skills.

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.

MNA - Management

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 - Basic Military Science I - 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 - Basic Military Leadership I - 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 - Officership I - MSL301 (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 - The Army Officer - MSL401 (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 course 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 (70)**

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 (70)

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 (20)

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 (40)

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 (43)

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 (43)

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 (15)

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 (18)

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 (62.5)

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 (75.5)

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 (62.5)

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 (75.5)

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 2301 - Introduction to Electronic Music Production (3)**

This course is an introduction to the field of electronic music including the history, aesthetics, digital studio techniques, analog studio techniques, digital synthesis, and analog synthesis.

Offered: Spring.

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.

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 contributes to satisfying the College Level Communication and Computational Skills writing requirement (formerly 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.

MUL - Music

MUL 1010 - Music Appreciation (3)

State Course Description (6A-14.0303): In this course, students will survey the history of classical music from antiquity to the modern period, focusing on western music. The curriculum may also integrate a variety of popular and global styles where appropriate.

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.

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.

MUM 1634 - The Digital Audio Workstation (3)

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.

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: 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: 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.

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.

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: 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: 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.

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: Spring.

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: 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: 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: Spring.

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: 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.

Offered: Fall.

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.

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.

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.

Offered: Fall.

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 Collegium Musician Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring, Summer.

MUN 1473 - Early Music Chamber Ensemble II (1)

MUN 1473 Early Music Chamber Ensemble II. 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 1640 - Music Theater Ensemble (1)

This course will focus on acting, singing (choral, ensemble, solo) and role playing as they are applied to the performance of scenes/shows from the Broadway genre. This course requires an audition component. (Prerequisite: Permission of Instructor.)

Offered: Fall.

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 2412 - String Chamber Ensemble II (1)

This course is a continuation of MUN 1410, String Chamber Ensemble. May be repeated one time for credit.

MUN 2432 - Brass Chamber Ensemble II (1)

This course is a continuation of MUN1430 Brass Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring.

MUN 2442 - 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 2452 - Keyboard Chamber Ensemble (1)

This course is a continuation of MUN1450, Keyboard Chamber Ensemble. May be repeated one time for credit.

MUN 2464 - Mixed Chamber Ensemble (1)

This course is a continuation of MUN1460 Mixed Chamber Ensemble. May be repeated one time for credit.

MUN 2471 - Collegium Musician Chamber Ensemble II (1)

Collegium Musician Chamber Ensemble. May be repeated one time for credit.

MUN 2489 - Guitar Chamber Ensemble II (1)

This course is a continuation of MUN1480 Guitar Chamber Ensemble. May be repeated one time for credit.

MUN 2491 - Woodwind Chamber Ensemble II (1)

This course is a continuation of MUN1420 Woodwind Chamber Ensemble. May be repeated one time for credit.

Offered: Fall, Spring.

MUS - Music**MUS 1010L - Recital Seminar (0)**

The purpose of this course is to enhance students' level of musicianship by observing musical performances. Students enrolled in an applied principal music course are required to attend five documented performances each semester. Students may use all college-sponsored recitals, master classes and performances to fulfill this requirement. The faculty recital coordinator must approve any other performances. This course is repeatable for credit three (3) times.

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.

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 1111C - Music Theory I (3)

Music Theory I is designed for music majors and covers the fundamentals of music through analysis and composition.

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 1241C - Sight Singing and Ear Training (1)

Sight Singing and Ear Training I covers the development of basic skills in sight singing and elementary dictation. This course includes keyboard harmony, harmonic analysis and structural analysis.

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.

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.

Offered: Fall, Spring.

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 for credit

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 for credit.

MVB 2325 - Applied Music Principal, Tuba (2)

Applied Music Principal Tuba. May be repeated one time for credit.

MVK - Music

MVK 1111 - Applied Music-Group (Piano) I-II (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 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 for credit.

MVK 1313 - Applied Music Principal, Organ (2)

Applied Music Principal Organ. May be repeated one time for credit.

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 for credit.

Offered: Fall, Spring.

MVK 2322 - Applied Music Principal, French Horn (2)

Applied Music Principal French Horn. May be repeated one time for credit.

MVK 2323 - Applied Music Principal, Organ (2)

Applied Music Principal Organ. May be repeated one time for credit.

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. May be repeated one time for credit.

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. May be repeated one time for credit.

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

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

MVS 1312 - Applied Music Principal, Viola (2)

Applied Music Principal Viola

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 guitar 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.)

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, Viola (2)

Applied Music Principal Viola

MVS 2323 - Applied Music Principal, Cello (2)

Applied Music Principal Cello

MVS 2324 - Applied Music Principal, String Bass (2)

Applied Music Principal String Bass

MVS 2325 - Applied Music Principal, Harp (2)

Applied Music Principal Harp

MVS 2326 - Applied Music Principal, Guitar (2)

Applied Music Principal Guitar

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

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.

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

MVW 2323 - Applied Music Principal, Clarinet (2)

Applied Music Principal Clarinet

MVW 2324 - Applied Music Principal, Bassoon (2)

Applied Music Principal Bassoon

MVW 2325 - Applied Music Principal, Saxophone (2)

Applied Music Principal Saxophone

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. Emphasis is placed on health and wellness, safety and protection, age-appropriate care, cultural and spiritual aspects of nursing care, and legal rights and responsibilities. Upon completion of the course students will be able to apply these concepts to client care within the framework of the nursing process. Students engage using a hybrid method of content delivery with virtual and face to face learning experiences; clinical experiences occur with clients across the lifespan in stable medical surgical care environments.

Offered: Fall, Spring.

NUR 1020C - Nursing Process I and Lab (10)

Concepts introduced in this course will provide students with foundational knowledge to function in the profession of nursing. Emphasis is placed on health and wellness, safety and protection, age-appropriate care, cultural and spiritual aspects of nursing care, and legal rights and responsibilities. In addition, students will: develop the attitude and skills to promote health and prevent disease with clients who have normal physiological responses; develop an ethical thought process for entry to practice; and recognize basic alterations in normal physiology. 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 provide students with the knowledge, skills and attitudes to safely care for clients with alterations in health. Emphasis is

placed on altered physical mobility including neurosensory alteration, metabolism, comfort, elimination, and the process of inflammation 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, stable, acute care 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 clients and families during the prenatal, intrapartum, postpartum, newborn and pediatric/adolescent periods for the transition into professional nursing student. The concepts of 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 and builds on previous health care education and experience. 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. Online 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 nursing care for clients and families during the prenatal, intrapartum, postpartum, newborn, and pediatric/adolescent periods. Emphasis will be placed on promotion, maintenance, and restoration of health of the childbearing family and pediatric clients 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, skills, and attitude 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 96-hour practicum experience.

Offered: Fall, Spring.

NUR 2990 - Advanced Standing (10)

Advanced Standing

NUR 3065 - Health Assessment (3)

This course is part of the RN to BSN program and 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 2030.

Offered: Fall, Spring.

NUR 3125 - Pathophysiology (3)

This course is part of the RN to BSN program which 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 from the nursing perspective.

Offered: Fall, Spring, Summer.

NUR 3145 - Pharmacology (2)

This course is part of the RN to BSN program and will focus on principles of nursing management in drug therapy, 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 is part of the RN to BSN program and 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 is part of the RN to BSN program and explores the current ethical and legal issues surrounding health care within 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 must be taken as the first course of the RN to BSN program and 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 is part of the RN to BSN program and 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 is part of the RN to BSN program and 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 community-based clinical learning experience.

Offered: Fall, Spring, Summer.

NUR 4827C - Leadership and Clinical Decision-Making and Lab (5)

This course is part of the RN to BSN program and is a capstone course which includes a practicum learning experience. Students will complete practicum activities with a mentor at their place of employment, if approved, or at an alternate practicum site. This course will provide students with the knowledge and skills to assume leadership and management roles in a variety of healthcare settings. The practicum experience will provide opportunities for students to develop and expand their leadership skills in the practice of professional nursing.

Offered: Fall, Spring, Summer.

NUR 4837 - Health Care Policy and Economics (3)

This course is part of the RN to BSN program and will explore current legislative issues, economic constraints and political controversies surrounding health care and the practice of nursing. The students will learn about the impact of these issues from a 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.

Offered: Spring.

OCE - Oceanography**OCE 1001 - Introduction to Oceanography (3)**

State Course Description (6A-14.0303); Using the scientific method, critical thinking skills, and data analysis, this course will examine the fundamental processes of the ocean system, composed of an atmosphere, hydrosphere, lithosphere, and biosphere, through time. The course will also explore interactions between these spheres, including critical

analysis of scientific theories and emphasize oceanic connections with humanity.

Offered: Fall, Spring, Summer.

OCE 1001L - Introduction to Oceanography Lab (1)

State Course Description (6A-14.0303): Using the scientific method, critical thinking skills, and data analysis, this course will examine the fundamental processes of the ocean system, composed of an atmosphere, hydrosphere, lithosphere, and biosphere, through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize oceanic connections with humanity. This course is an optional lab component for oce 1001 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.

Offered: Spring.

OCE 2905 - Directed Study in Oceanography (1)

Special topic/research-oriented course for students who want to pursue further study in an area of Oceanography. Students will work with an instructor to develop the study topic and scientific analysis.

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.

OPT - Ophthalmic Technology

OPT 1110 - Geometric and Optical Theory I (3)

This course introduces the student to the principles of optics and how light reacts to different optical media. It also includes ophthalmic lens design, theory, basic optical formulas, optical terms, calculations, and the metric system.

Offered: Spring.

OPT 1115 - Geometric and Optical Theory II (3)

This course is designed to provide a more extensive study of geometric and physical optics. Special attention will be given to topics pertaining to ophthalmic lenses and prisms in the correction of human visual errors.

Offered: Summer.

OPT 1150 - Introduction to Ophthalmic Procedure (3)

This course introduces the student to the operations and functions of an ophthalmic laboratory. Emphasis is placed on the quantitative description of surfacing and finishing procedures. Upon completion, students should be able to perform laboratory calculations, adhere to safety and environmental (OSHA/EPA) requirements, describe the equipment used, and apply American National Standards Institute (ANSI) tolerances in the fabrication of ophthalmic lenses.

Offered: Summer.

OPT 1150L - Ophthalmic Laboratory I (3)

This course introduces the student to laboratory practices and procedures for fabricating eyewear. Emphasis is placed on the surfacing and finishing of ophthalmic lenses.

Offered: Fall.

OPT 1155L - Ophthalmic Laboratory II (3)

This course is designed to train students in fabricating prescription eyewear. This course covers the fabrication of ophthalmic lenses and includes surfacing, finishing, handwork, and inspection.

Offered: Spring.

OPT 1460 - Ophthalmic Dispensing I (3)

This course is designed to introduce the student to the techniques of fitting and dispensing prescription eyewear. Special emphasis is placed on the study of ophthalmic frames and lenses.

Offered: Spring.

OPT 1460L - Ophthalmic Dispensing Laboratory I (1)

This course is designed to allow the student to apply and practice the skills necessary for the delivery of prescription eyewear. Verification, adjustment, and dispensing will be covered.

Offered: Spring.

OPT 2030 - Certification Review (3)

This course is designed as a review of the topics covered in this program in preparation for the American Board of Opticianry (ABO) and National Contact Lens Examiners (NCLE) certification exams.

Offered: Fall.

OPT 2060 - Ophthalmic Management and Leadership (3)

This course is designed to introduce the student to business principles, management functions, and leadership skills, and their application within the Opticianry field. Many opticians will have the opportunity to assume management and leadership positions during their careers. This course is formatted to develop these skills.

Offered: Fall.

OPT 2200 - Anatomy and Physiology of the Eye (3)

This course provides a study of the structures and functions of the human eye and its adnexa, as well as an overview of common ocular pathologies and refractive disorders.

Offered: Spring.

OPT 2375 - Refractometry (3)

This course is designed to instruct the students in the theory of refractometry. It will include identifying ametropias, the etiology of refractive errors and subjective and objective refraction procedures.

Offered: Fall.

OPT 2375L - Refractometry Laboratory I (2)

This course is designed to develop the student's skill in using the equipment involved in performing a refractometry. It introduces the students to the process of conducting an objective and a subjective refraction.

Offered: Fall.

OPT 2376L - Refractometry Laboratory II (2)

This course is designed to further the students' knowledge and competencies pertaining to subjective and objective refraction procedures. It allows the student to become more proficient in the areas of speed, accuracy, and communication skills.

Offered: Spring.

OPT 2461 - Ophthalmic Dispensing II (3)

This course is designed to provide a more in depth study between the properties of lenses, patient's refractive errors and dispensing of ophthalmic eyewear in accordance to American National Standards Institute (A.N.S.I.) tolerances. Topics include: astigmatism, absorptive lenses, vertical imbalance and measurements.

Offered: Summer.

OPT 2461L - Ophthalmic Dispensing Laboratory II (1)

This course is designed for students to apply the concepts taught in Ophthalmic Dispensing II. Topics include: lensometry, verification and inspection, frame adjustments, and absorptive lenses. All tolerances are in accordance with American National Standards Institute (A.N.S.I.) tolerances.

Offered: Summer.

OPT 2500C - Contact Lens Theory and Laboratory I (4)

This course covers the history of contact lens development as well as theory, design, and principles. Patient evaluations and education, lens types and fitting techniques, and measurement and verification devices will be studied.

Offered: Spring.

OPT 2505C - Contact Lens Theory and Laboratory II (4)

This course is designed to provide a more detailed investigation into contact lens design, selection and fitting. Also included are astigmatic, presbyopic and special needs patient fittings.

Offered: Summer.

OPT 2800 - Vision Care Clinic I (2)

This course is designed to allow the student to apply the knowledge acquired in lectures and laboratories to an optical dispensary in a clinical environment. Students will select, fit, fabricate, and dispense prescription eyewear and contact lenses for patients, as well as, apply learned management techniques and customer service skills.

Offered: Summer.

OPT 2801 - Vision Care Clinic II (2)

This course is designed to apply and reinforce the knowledge acquired in lectures and laboratories to an optical dispensary in a clinical environment. Students will select, fit, fabricate, and dispense prescription eyewear and contact lenses for patients, as well as, apply learned management techniques and customer service skills.

Offered: Fall.

OST - Office Systems

OST 1100 - Document 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 - Document 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 - 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 Operations (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.

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: 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 which have meaning and purpose in a person's

life) across the lifespan. The understanding and application of occupation in the practice of occupational therapy as the central tenet to the profession will be analyzed and practiced. Topics will include the Occupational Therapy Practice Framework as a model and its component parts, the meaning of occupations to individuals, populations, the distinct nature and science of occupation, the role of occupation in supporting performance, participation and health, and selected theories and models of practice. The student will learn examples of occupations relevant to different developmental points in the lifespan, with extended emphasis on late adulthood. The occupational therapy service model will be introduced to students to establish a method of delivering care, including as part of teams, to address individual and societal needs for occupation. Students will learn how to promote occupational therapy through participative activities.

Offered: Fall.

OTH 1006 - Documentation Through the Occupational Therapy Process (2)

This course will provide an overview and practice of documentation in Occupational Therapy as it is used throughout the therapy process. The primary focus will be on the O.T.A.'s role in documenting intervention plans and progress through the problem oriented medical record (SOAP or other format) notes and school-based (IFSP, IEP) goals and objectives. The course will also provide an overview of documenting screening/evaluation results, goal writing, home or school program development, discharge planning, and outcomes documentation in collaboration with the OT. Other overview topics include ethical responsibility for documentation, legal/regulatory effects on documentation, confidentiality, relevance of medical chart information, electronic documentation, payor- and setting- specific documentation and reimbursement, and administrative and quality improvement documentation.

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 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; 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 (COTAs) 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 which are demonstrated in various areas of the OT service delivery process, with emphasis on evaluation and intervention. Techniques for the provision of OT in health restoration, adaptation, prevention and/or promotion with persons, groups, and populations will be identified and practiced, promoting clinical reasoning. Students will practice implementation of selected types of interventions. Specific topics include activity analysis, development of an occupational profile, analysis of occupational performance, ADL training and equipment provision, low tech adapted equipment, functional mobility, education and training, treatment strategies in basic movement and exercises and groups. Service delivery models in traditional and emerging practice environments will be explored and the OTA student will participate in the development, marketing and management of service delivery options.

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: intervention types and approaches, applications of therapeutic adaptation, family training, community programming, basic orthotics and prosthetics, assistive technologies, physical agent modalities, accessibility issues, and intervention planning. The students gain knowledge about the consultative process and implementation of program changes based on outcomes related to quality improvement.

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.

Offered: Fall.

OTH 2420C - Occupational Therapy for Physical Dysfunction and Lab (4)

This course provides the student with an understanding of physical dysfunction and disability theories and treatment models. Upon completion, the student will be familiar with evaluations, treatment planning, intervention strategies, and documentation used in the treatment of individuals with physical dysfunction. Labs provide opportunities to observe and practice specific techniques.

Offered: Summer.

OTH 2520C - Developmental Issues and Lab (3)

This course introduces students to the roles of occupational therapy in various pediatric settings, and includes theories and frames of reference, the normal developmental process, specific pediatric-related

diagnoses and how they impact development and occupational performance of children, evaluation and intervention approaches and techniques, and legal, ethical and family issues related to children with special needs, ages 0-21 years. Opportunities to apply these with children are also provided.

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. or role-emerging treatment program. The student gains clinical experience working with patients under the supervision of licensed OT practitioner. 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. or role-emerging treatment program with a diagnostic group other than that chosen for OTH2840.

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 - Analog Photography (3)

The basics of camera handling and the guidelines to better composition, an introduction to the black and white darkroom, digital camera operation and digital printing.

Offered: Fall, Spring, Summer.

PGY 1101 - Photography as an Art Form (3)

This course emphasizes the development of conceptual and formal photographic skills through an exploration of media using assignments and demonstrations that incorporate drawing, 2D design, color theory, and practical and profession-related still photography.

Offered: Fall.

PGY 1201 - Studio and Location Lighting (3)

The students will explore advanced studio and location photography using a variety of camera, lighting, and image processing techniques.

Offered: Fall, Spring.

PGY 1209 - Intermediate Studio and Location Lighting (2)

In this course, students will produce a portfolio of 10 photographs based on the student's selected area of investigation and complete a variety of weekly assignments in light modulation, photographing glass and other reflective surfaces, studio portraiture, fashion, beauty, food, and automotive photography.

Offered: Fall, Spring, Summer.

PGY 1800 - Photography I: Media and Methods (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, Summer.

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, Summer.

PGY 1850 - Multimedia Production (2)

This course combines skills in storytelling, audio recording, digital photography and editing, with the result being a multimedia production containing elements of all four. Students will produce a 1:30-2:30 minute multimedia production for their final project in the class.

Offered: Fall, Spring, Summer.

PGY 2000 - Then and Now: Popular Themes in 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, Summer.

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: Spring.

PGY 2116 - Color and Design (2)

This course explores the conceptual and aesthetic use of color photography, color theory, sequence, narrative, design, page layout, and typography. The images developed throughout the term should demonstrate a clear understanding and conceptualization of color as essential to the meaning and impact of the photographs via studies in color theory that apply to both the photographic and post-production process. Color will be the prominent theme and conceptual tool as students build a cohesive series of color photographs that will culminate in a book designed with industry standard software.

Offered: Fall, Spring, Summer.

PGY 2160 - Camera Culture (3)

This course examines trends and issues relevant to current lens-based practices through the presentation of theoretical and production projects. It includes a review of visual communications, concepts, and contemporary critical theory. Emphasis will be placed on developing a broad understanding of new ideas and concepts related to the camera.

Offered: Fall, Spring, Summer.

PGY 2207 - Lens-Based Practices: Art and Commerce (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, Summer.

PGY 2270 - Field Survey in Professional Photography (2)

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 Strategies for Photographers (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 - Photography II: Concept and Narrative (3)

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: Spring.

PGY 2801 - Digital Photography (3)

This course introduces fundamental photographic skills through technologies. Emphasis is placed on the tools, techniques and aesthetics of a range of digital photographic applications pertaining to graphic design and interactive media.

Offered: Fall, Spring, Summer.

PGY 2806 - Multidimensional Imaging and Expression (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)

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)**

State Course Description (6A-14.0303): In this course, students will be introduced to the nature of philosophy, philosophical thinking, major intellectual movements in the history of philosophy, including

topics from the western philosophical tradition, and various problems in philosophy. Students will strengthen their intellectual skills, become more effective learners, and develop broad foundational knowledge.

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 a wide range of philosophers. Material is drawn from a wide variety of philosophers both within and outside the Western canon. 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 seen in 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.

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: Spring.

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 - Conceptual Physics (3)**

State Course Description (6A-14.0303): This course offers a comprehensive survey of physics, covering a wide range of topics including motion, newton's laws, energy, sound, heat, electricity, magnetism, and optics. Emphasizing a conceptual understanding of physics, the course integrates critical thinking skills and real-world applications.

Offered: Fall, Spring, Summer.

PHY 1032 - Energy and its Environmental Effects (3)

The current sources (fossil fuels) of energy will be examined and alternative sources (renewables – solar, wind, etc.) currently in use and in development will be explored. These energy production methods will be studied using current environmental data and basic physics principles, providing a scientific foundation for understanding the world's current energy demands and needs, as well as its impact on the environment and climate change. The future of energy production and the environmental and societal impacts of these energy sources will be discussed in the course.

Offered: Fall, Spring.

PHY 1053C - General Physics I and Lab (4)

State Course Description (6A-14.0303): This course is the first in a two-part series intended for non-physics majors, offering an algebra and trigonometry approach to topics such as kinematics, dynamics, energy, momentum, rotational motion, fluid dynamics, oscillatory motion, and waves. The course fosters analytical and critical thinking skills to promote a scientific understanding of the real world.

Offered: Fall.

PHY 1054C - General Physics II and Lab (4)

Continuation of PHY1053C. Sound, wave motion, electrostatics, magnetism and physical and geometrical optics.

Offered: Spring.

PHY 2048C - Physics with Calculus I and Lab (5)

State Course Description (6A-14.0303): This calculus-based course serves as the first in a two-part series, covering topics like kinematics, dynamics, energy, momentum, rotational motion, fluid dynamics,

oscillatory motion, and waves. Designed for science and engineering majors, the course integrates critical thinking, analytical skills, and real-world applications.

Offered: Fall, Spring.

PHY 2049C - Physics with Calculus II and Lab (5)

Continuation of PHY2048C. Electrostatics, current electricity, DC circuits, ac circuits and resonance, magnetism, electromagnetic radiation, geometric optics and physical optics. Introduction to special relativity and quantum effects.

Offered: Spring, Summer.

PHY 2905 - Directed Study in Physics (1)

Special topic/research-oriented course for students who want to pursue further study in an area of Physics. Students will work with an instructor to develop the study topic and scientific analyses.

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)

This is an intermediate-level course on classical mechanics. Newton's Laws, linear and quadratic drag, conservation of momentum, work and conservation of energy, Hooke's law and simple harmonic motion, damped and forced oscillation, and the Lagrange approach to classical mechanics will be covered.

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: Spring.

PHY 4424 - Geometrical and Physical Optics (3)

Geometrical optics at an advanced undergraduate level and introduces new topics, including aberration theory, optical instrumentation, wave optics, interference of light, interferometry, optical coherence, the interaction of light and matter, holography, and nonlinear optics.

Offered: Fall.

PLA - Paralegal

PLA 1003 - Introduction to Law (3)

Introduction to American law and the legal system including an overview of the legal industry and various roles and responsibilities. Students learn fundamental legal concepts, professional pathways, and practical skills such as research and writing, and case analysis. Ideal for students interested in the law or the legal industry.

Offered: Fall, Spring.

PLA 1104 - Legal Research (3)

This course is designed to introduce students to the art of legal research. Students will learn the process of identifying legal issues, retrieving relevant legal information using digital research tools, applying the results to the legal issues, and communicating the results in a written memorandum using correct legal citations.

Offered: Spring.

PLA 2114 - Legal Writing (3)

This course is a continuation of Legal Research and Writing I (PLA1104) and is designed to focus on the various legal writing techniques used to apply and communicate the results of legal research with an emphasis on persuasive arguments and drafting court documents.

Offered: Fall.

PLA 2201 - Civil Litigation (3)

This course provides an overview of all phases of Florida and federal civil litigation with an emphasis on tort claims. Prepares students to perform as a Florida civil litigation paralegal. Topics covered include civil procedure, evidence, discovery, drafting pleadings and motions, client/witness interviews, and trial preparation.

Offered: Fall.

PLA 2303 - Criminal Law (3)

This course provides an overview of criminal law and procedure with an emphasis on Florida law. Topics

covered include investigation, prosecution, pre-trial and procedures, appeals, inchoate crimes, robbery, theft, burglary, white collar crimes, sexual assault, prostitution, and homicide.

Offered: Spring.

PLA 2460 - Bankruptcy Law (3)

This course provides an overview of the historic, economic, and legal principles of debtor/creditor and federal bankruptcy law. Students learn practical application of core concepts through the preparation of schedules and statements for a Chapter 7 and Chapter 13 Bankruptcy with software used in bankruptcy law firms.

Offered: Spring.

PLA 2600 - Estate Law (3)

This course provides an overview of estate planning and estate administration with a focus on Florida law. Students learn application of core concepts by drafting transactional and administration documents. Topics include wills, trusts, estate planning techniques, and estate/probate administration process and procedure.

Offered: Spring.

PLA 2610 - Property Law (3)

This course provides an overview of real property law and transactions related to the sale, financing, and transfer of real estate. Students learn to apply core concepts through case studies and drafting transactional documents. Topics covered include ownership, encumbrances, mortgages, zoning, deeds, estate planning considerations, and closings.

Offered: Fall.

PLA 2763 - Legal Technology (3)

This course involves the fundamentals of law office management with an emphasis on the legal technology. Prepares for assisting in law office management and using legal technology. Students earn National Society for Legal Technology (NSLT) Legal Technology Certificate as part of the course. Topics covered include law office structure, time-keeping, billing, case/data management, trust accounting, and ethics.

Offered: Spring.

PLA 2872 - Artificial Intelligence and the Law (3)

Introduction to the intersection of artificial intelligence and the law, focusing on its challenges, opportunities, ethics, and impact on the law, the legal industry, and society.

Offered: Spring.

PLA 2800 - Family Law (3)

This course provides an overview of Florida family law with an emphasis on drafting commonly used legal documents and worksheets to prepare students to perform as a family law paralegal. Topics covered include marriage, dissolution, paternity, alimony, time-sharing, child support, equitable distribution, prenuptial agreements, and marital settlement agreements.

Offered: Spring.

PLA 2880 - Constitutional Law (3)

This course introduces core principles of U.S. Constitutional law including its historical and philosophical underpinnings. Topics covered include federalism, separation of power, express and implied power, executive power, judicial review, police power, the Bill of Rights and subsequent amendments, substantive due process, and equal protection.

Offered: Fall.

PLA 2905 - Directed Study in Legal Assisting (1)

This course is a variable credit course (1-4). The academic department has approved it for 3 credits in the appropriate A.S. program.

PLA 2930 - Selected Topics in Legal Studies (1)

This course will explore a selected topic related to emerging trends or areas of special interest in the legal field. May only be repeated with express permission from the Chair of the Department.

Offered: Fall, Spring.

PLA 2949 - Legal Internship (3)

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 careers in emerging welding industries. Students explore professional opportunities and industry requirements while developing the advanced skills essential for success. The course also examines emerging technologies and their relevance to local business and industry needs. To graduate from the program, students must pass the course with a C or better.

Offered: Fall.

PMT 0077C - Advanced Welder 1A (375)

This course prepares students for advancement in the welding industry. They learn to set up equipment for SMAW and GMAW open-root V-groove pipe welds. Additionally, students develop an understanding of fabrication techniques, including pipefitting methods and take-outs. To continue in the program, students must pass the course with a C or better.

Offered: Summer.

PMT 0078C - Advanced Welder 1B (225)

This course prepares students for advancement in the welding industry. They learn to set up equipment for SMAW and GMAW open-root V-groove heavy-wall pipe welds. Students also develop an understanding of fabrication techniques, including pipefitting methods and take-outs. Additionally, they are introduced to alloy metals and aluminum. To continue in the program, students must pass the course with a C or better.

Offered: Fall.

PMT 0106C - Introduction to Welding I and Lab (90)

This course covers fundamental welding and cutting procedures with a strong emphasis on safety. Students learn to read and interpret blueprints while gaining hands-on experience in oxyacetylene and plasma arc cutting. They also develop skills in SMAW (stick) welding across various applications and positions. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring, Summer.

PMT 0109C - Introduction to Welding II and Lab (90)

This course expands on advanced welding and cutting procedures with a focus on safety. Students learn fabrication from blueprints and gain hands-on experience with advanced oxyacetylene and plasma arc cutting. They also develop skills in SMAW (stick) welding across various applications and positions. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring, Summer.

PMT 0121C - Welding III (Shield Metal Arc) and Lab (90)

This course builds on students' welding and cutting skills, introducing advanced SMAW (stick) welding techniques and blueprint reading. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring, Summer.

PMT 0131C - Welding VII (Gas Tungsten Arc) and Lab (90)

This course introduces the fundamentals of Gas Tungsten Arc Welding (TIG). Students develop basic TIG welding skills, starting with plate welding and incorporating TIG with SMAW welds. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring, Summer.

PMT 0134C - Welding V (Gas Metal Arc) and Lab (90)

This course allows students to refine their welding skills in Stick and MIG processes. They are introduced to structural steel blueprints and learn to operate various welding machines. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring, Summer.

PMT 0154C - Welding IV (Plasma Cut Welding and Introduction to MIG) and Lab (90)

This course builds on students' welding and cutting skills, introducing them to specialty cuts and GMAW (MIG) welding. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring, Summer.

PMT 0161C - Welding VI (Introduction to Pipe Welding) and Lab (90)

This course allows students to further refine their welding skills in Stick and MIG processes. They focus on welding pipe in various positions to prepare for weld certification. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring, Summer.

PMT 0171C - Welding VIII (Advanced Gas Tungsten Arc and Pipe Welding) and Lab (95)

This course emphasizes testing criteria for various welding applications. Students refine their advanced TIG welding skills, progressing to pipe welding in preparation for weld test certifications. To graduate from the program, students must pass the course with a C or better.

Offered: Fall, Spring, Summer.

PMT 0202C - Introduction to Machining and Lab (150)

This course prepares students for careers in machining, emphasizing essential industry skills. Students learn workplace safety, the history of manufacturing, and the importance of employability and entrepreneurship. The curriculum covers job-

related mathematics, basic blueprint reading, including geometric dimensioning and tolerancing (GD&T), precision measuring operations, and metrology. Additionally, students gain hands-on experience with primary and secondary manufacturing processes, power saw operation, and drill press use. To continue in the program, students must pass the course with a C or better.

Offered: Fall.

PMT 0215C - Manual Machining and Lab (280)

This introductory course covers Computer Numerical Control (CNC) programming for CNC vertical milling machines. Students focus on linear and polar coordinate systems while learning machine setup, operation, part programming, and toolpaths. The course also prepares students for the National Institute of Metalworking Skills (NIMS) CNC Milling: Programming, Setup & Operations Level 1 certification. To continue in the program, students must pass the course with a C or better.

Offered: Fall, Spring.

PMT 0228C - Electrical Discharge Machining (EDM) and Lab (130)

This course provides students with the ability to set up and operate wire-EDM and sinker-EDM machine technology found in the field of Machining.

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 provides both introductory and advanced training in computer-aided design and manufacturing (CAD/CAM). Students use industry-relevant software to design and draw 2D and 3D geometry, creating machine tool paths from original drawings and transferred files. To graduate from the program, students must pass the course with a C or better.

Offered: Spring.

PMT 0265C - CNC Multi-Axis and Lab (280)

This is an advanced course in Computer Numerical Control (CNC) programming of Mill and Lathe Machines. The 4/5 axis Mill and Lathes will be the focus of study. Machine set-up, operation, part programming and toolpaths are covered, extensively.

Offered: Fall, Spring, Summer.

PMT 0290 - Cooperative Education Experience in Machining (80)

This is an on-the-job training course that most students will enroll in towards the end of their training. This is a course that the student will apply their training in a working environment. Students will be expected to treat this as a real job.

Offered: Fall, Spring, Summer.

PMT 0720C - CNC Lathe and Lab (150)

This introductory course covers Computer Numerical Control (CNC) programming for CNC lathe machines, with a focus on linear and polar coordinate systems. Students gain hands-on experience in machine setup, operation, part programming, and toolpath creation. The course also prepares students for the National Institute of Metalworking Skills (NIMS) CNC Lathe: Programming, Setup & Operations Level 1 certification. To continue in the program, students must pass the course with a C or better.

Offered: Spring.

POS - Political Science

POS 2041 - American Federal Government (3)

State Course Description (6A-14.0303): In this course, students will investigate how the national government is structured and how the American constitutional republic operates. It covers the philosophical and historical foundations of American government, including but not limited to the declaration of independence, the United States constitution and all its amendments, and the federalist papers. The course examines the branches of government and the government's laws, policies, and programs. It also examines the ways in which citizens participate in their government and ways their government responds to citizens.

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.

PPE - Psychology

PPE 2001 - Survey of Personality (3)

Survey of the theoretical bases of the major models of personality and psychotherapy and specific therapeutic techniques and procedures from each.

PRN - Nursing - Practical

PRN 0004C - Introduction to Nursing and Lab (457.5)

This is a foundation course related to the role of the practical nurse, relationships with other members of the health care team, and the common needs of healthy people. Included are the concepts of 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)

This course prepares individuals to perform selected tasks related to patient care for clients in long-term care, subacute, assisted living facilities, or home health settings 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 (Florida Statute, 400.21).

Offered: Fall, Spring, Summer.

PRN 0120C - Maternal/Child Health Nursing and Lab (174)

This course is an introduction to the role of the practical nurse providing care to the childbearing family, newborn, and pediatric patients. Learning activities will emphasize nursing techniques, communication skills, and problem solving in selected situations of nursing practice. This course focuses on applying nursing skills and knowledge of obstetric

and pediatric pathophysiology to provide the most effective and appropriate nursing care.

Offered: Summer.

PRN 0207C - Medical-Surgical Nursing I and Lab (455)

In this course, learning activities will emphasize nursing techniques, communication skills, problem solving, role responsibility, and employability skills in selected areas of nursing practice. Included are 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)

This course emphasizes integrated principles of physical and earth sciences, the scientific method and selected areas of fundamental physics, chemistry, astronomy, and meteorology.

Offered: Fall, Spring.

PSY - Psychology

PSY 1012 - General Psychology (3)

State Course Description (6A-14.0303): In this course, students will gain an introduction to the scientific study of human behavior and mental processes. Topics may be drawn from historical and current perspectives in psychology.

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 in intimacy, 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 provide an understanding of the foundations of scientific based reading instruction for the components of reading: comprehension, oral language, phonological awareness, phonics, fluency, and vocabulary. Application of research-based instructional practices will be demonstrated that include multi-tiered systems of support for struggling readers. This course requires field experience hours in an approved public school.

Offered: Fall, Spring.

RED 3309 - Early and Emergent Reading (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. This course requires field experience hours in an approved public school.

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 course requires field experience hours in an approved public school.

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 hours working with K-12 students in an approved public school.

Offered: Fall, Spring.

RED 4844 - Reading Practicum (3)

The purpose of this course is to provide a supervised practicum on the application of reading instruction. Preservice 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 research and select, plan, and use appropriate reading assessments, materials, and strategies to identify needs and provide remedial reading instruction in a K-12 classroom. This course requires field experience hours working with K-12 students in an approved public school.

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 Florida State Board of Education Administrative Rule 6A-10.030, College-Level Communication and Computational Skills. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring.

RET - Respiratory Care

RET 1021 - Respiratory Care Introduction (3)

This course offers the student an overview of a career in respiratory care, the critical thinking methodology necessary for applying academic knowledge to problem-based learning, and exposure to the level of comprehension needed for understanding the concepts in respiratory care. The content will provide initial information about the respiratory therapy career to promote student success in the program.

Offered: Fall, Spring, Summer.

RET 1025C - Principles of Respiratory Care and Lab (3)

This course is an introduction to comprehensive patient assessment including patient interview, vital signs, physical exam, and documentation. This course will also cover math equations used in respiratory care and infection control. 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.

Offered: Summer.

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 Practice I (4)

This course introduces the student to clinical application of cardiopulmonary procedures including equipment, patient assessment, floor therapy, documentation, patient education, and emergency room. An article review paper with a pre-approved topic relevant to cardiopulmonary sciences will be completed.

Offered: Summer.

RET 1875 - Clinical Practice II (3)

This course is a continuation of Clinical Practice I with an emphasis on critical care. Rotations through specialty areas that are available will be scheduled. A practice credentialing exam, disease sheets on assigned cardiopulmonary diseases, computerized simulations, ventilator worksheets, 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: Summer.

RET 2350 - Cardiopulmonary Pharmacology (3)

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: Fall.

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 Practice III (4)

The students in this course will continue their critical care rotations and exposure to special care areas they would like to repeat or (Neonatal Pediatrics optional). Students will complete mini case studies, online simulations, disease sheets, ventilator worksheets, and an approved research paper. The students will also take a mock credentialing simulation exam and turn in their volunteer portfolio.

Offered: Fall.

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 program. Self-assessment advanced practitioner examinations are administered throughout. Resume writing and interview skills are also covered.

Offered: Fall.

RET 3536 - Cardiopulmonary Rehabilitation (3)

This course will review the selection process, components, guidelines, and treatment plans for patients in need of cardiopulmonary rehabilitation services.

Offered: Fall, Spring.

RET 3960 - Professional Credentialing (3)

Students must successfully pass the National Board for Respiratory Care Therapist Multiple Choice and Clinical Simulation Exam to obtain the Registered Respiratory Therapist Credential. Successful completion of these exams validates the knowledge and clinical competencies required to be a competent

Respiratory Therapist. Submission of proof will be required to obtain college credit.

Offered: Spring, Summer.

RET 4245 - Advanced Life Support (3)

This course encompasses the concepts and applications of treatment and monitoring for the critical care patient as it relates to Respiratory Care and the health profession in general.

Offered: Spring, Summer.

RET 4354 - Advanced Pharmacology (3)

This course gives students a broad understanding of pharmaceutical therapies for illnesses in patients with cardiopulmonary disease with an emphasis on the critical and emergency care patients.

Offered: Fall, Spring.

RET 3041 - Cardiopulmonary Education and Promotion (3)

This course reviews education of patients, colleagues, and students in the community and healthcare settings. Students will learn techniques to effectively educate patients, families, students, and colleagues throughout the course of their careers.

Offered: Fall, Spring.

RET 4445 - Cardiopulmonary Diagnostics (3)

This course covers a range of cardiopulmonary indicators to relate test results to potential patient problems.

Offered: Summer, Fall.

RET 4354 - Advanced Pharmacology (3)

This course gives students a broad understanding of pharmaceutical therapies for illnesses in patients with cardiopulmonary disease with an emphasis on the critical and emergency care patients.

Offered: Fall, Spring.

RET 4245 - Advanced Life Support (3)

This course encompasses the concepts and applications of treatment and monitoring for the critical care patient as it relates to Respiratory Care and the health profession in general.

Offered: Spring, Summer.

RET 4950 - Cardiopulmonary Capstone (3)

This course must be completed during the last semester of the Cardiopulmonary Sciences B.S. program. This course will meet all program objectives with regards to additional knowledge, skills, and attributes in leadership, management, education, and

research. This will include a community outreach project, research paper and an oral presentation.

Offered: Fall, Spring, Summer.

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: Fall, 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: Fall, Spring.

RTE - Radiography

RTE 1000 - Fundamentals of Radiologic Technology (1)

This course is designed to provide an introduction to the program, profession, didactic and clinical environments. Content includes an overview of the fundamentals of radiographic positioning, radiographic equipment, creation of the radiographic image, imaging science professions, radiation protection and the history and role of the radiographer.

Offered: Summer.

RTE 1001 - Medical Terminology for Radiographers (1)

Introduction to medical abbreviations, symbols and terms. A word-building system is introduced with related terminology. Understanding of radiographic orders and diagnostic reports are discussed.

Offered: Summer.

RTE 1111 - Patient Care in Radiography (2)

This course provides extensive understanding of patient care and assessment, ethics, body mechanics, medical-legal aspects, radiation protection and history and role of the radiographer. Content is designed to provide concepts of routine, emergency, and infection control procedures using standard precautions. Basic concepts of pharmacology/drug administration and venipuncture are presented.

Offered: Summer.

RTE 1111L - Patient Care in Radiography Lab (1)

This course provides extensive understanding of patient care and assessment, ethics, body mechanics, medical-legal aspects, radiation protection and history and role of the radiographer. Content is designed to provide concepts of routine, emergency, and infection control procedures using standard precautions. Basic concepts of pharmacology/drug administration and venipuncture are presented.

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 discussed.

Offered: Fall.

RTE 1457C - Radiographic Exposures II and Lab (2)

A continuation of Radiographic Exposures and Processing, with emphasis on fluoroscopy, image quality technical factor selection, automatic exposure control and display systems.

Offered: Spring.

RTE 1503C - Radiographic Procedures I and Lab (5)

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: Summer.

RTE 1513C - Radiographic Procedures II and Lab (5)

Continuation of Radiographic Procedures I. A study of positioning, equipment usage and image quality evaluation of exams of the appendicular skeleton, organ system, shoulder girdle, and bony thorax. Detailed study of pharmacology involving contrast agents.

Offered: Fall.

RTE 1523C - Radiographic Procedures III and Lab (5)

A continuation of Radiographic Procedures II, with emphasis on the vertebral column, cranium and special projections for each system. Study of fluoroscopic and tomographic equipment. Course provides student with critical thinking and problem-solving methods to be utilized in image evaluation to assure appropriate anatomy and/or pathology demonstrated on properly positioned images with high image quality. Students also gain knowledge in performance of repeat analysis.

Offered: Spring.

RTE 1804L - Radiographic Clinical Education I (1)

Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation in the respiratory, appendicular, and abdominal anatomy.

Offered: Summer.

RTE 1814L - Radiographic Clinical Education II (2)

Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation in the appendicular, axial skeleton and contrast studies.

Offered: Fall.

RTE 1824L - Radiographic Clinical Education III (3)

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: Spring.

RTE 2061 - Radiography Seminar (2)

This course is designed to review information in preparation for the student to take the American Registry of Radiologic Technologist (ARRT) registry examination. The course will cover Patient Interactions and Management, Radiation Physics and Radiobiology, Radiation Protection, Image Acquisition and Technical Evaluation, Equipment Operation and Quality Assurance, Head, Spine and Pelvis Procedures, Thorax and Abdomen Procedures, and

Extremity Procedures. The student will also be given simulated registry examinations for practice and assessment purposes.

Offered: Spring.

RTE 2385 - Radiation Biology and Protection (2)

A study of the principles of cell radiation interactions and radiation protection principles. The student will develop an awareness of potential harmful effects of radiation and safe usage of radiation for diagnosis and treatment.

Offered: Spring.

RTE 2563C - Selected Radiographic Special Procedures I (5)

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: Summer.

RTE 2573C - Selected Radiographic Special Procedures II (4)

A continuation of RTE2563C with emphasis on surgical imaging, computed tomography, magnetic resonance image, sonography, radiation therapy, nuclear medicine and interventional/catheterization procedures.

Offered: Fall.

RTE 2613 - Radiation Physics I (2)

The physics of diagnostic imaging including analysis and synthesis of energy and matter and their relationship. Detailed study of the atom and the components needed for the production of x radiation. Study of the components involved in imaging systems with tests and procedures to evaluate them. State and Federal regulations/guidelines will be discussed. Basic pharmacology will be instructed during this course.

Offered: Summer.

RTE 2623 - Radiation Physics II (2)

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 (2)

This course provides knowledge of pathologic conditions seen radiographically and their effects on technique and positioning.

Offered: Spring.

RTE 2834L - Radiographic Clinical Education IV (3)

Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation on trauma examinations and procedures outside the department (portables and surgery).

Offered: Summer.

RTE 2844L - Radiographic Clinical Education V (3)

Supervised clinical education in performance of radiographic procedures with emphasis on competency evaluation in Specialized Procedures: CT, MRI, Invasive Radiology, Surgery (Mobile), Radiation Therapy (optional), Nuclear Medicine (optional), Mammography (optional), Cardiac Interventional Procedures and in-service on osteoporosis exams.

Offered: Fall.

RTE 2854L - Radiographic Clinical Education VI (3)

Supervised clinical education in performance of radiographic procedures with emphasis on Final Competency Exams. Supervised clinical education in performance of radiographic procedures with emphasis on competency evaluation in Specialized Procedures: CT, MRI, Invasive Radiology, Surgery (Mobile), Radiation Therapy (optional), Nuclear Medicine (optional), Mammography (optional), Cardiac Interventional Procedures and in-service on osteoporosis exams.

Offered: Spring.

RTE 3116 - Advanced Patient Care (3)

This course aims to equip students with the advanced skills and knowledge necessary for providing high-quality patient care in the evolving field of medical imaging. Advanced patient care skills are emphasized, recognizing the expanding role of medical imaging professionals. Key areas of focus include patient education, assessment, communication, pre-procedural and post-procedural care, as well as proper charting and documentation.

RTE 3213 - Radiology Information Systems (3)

This course aims to equip imaging professionals with knowledge and skills related to the purpose, use, maintenance, and regulations associated with the latest radiology management, health information, and of medical image management and processing systems (MIMPS). The focus is providing a comprehensive understanding of information systems used in radiology practices, emphasizing their importance in modern healthcare.

Offered: Fall, Spring, Summer.

RTE 3253 - Teaching in the Health Profession (3)

This course provides an analytical and developmental approach to the roles and functions of health professional teachers. It focuses on teaching roles, styles, and philosophy, integrating learning theory into instructional design and lesson planning. Emphasis is placed on selecting and applying appropriate clinical teaching strategies, supportive technologies, and assessment methods for a diverse student population.

Offered: Fall, Spring, Summer.

RTE 3590 - Computed Tomography (3)

This course is designed to provide students with a comprehensive understanding of the physical principles and instrumentation involved in computer tomography (CT). The content will cover detailed procedure protocols for CT imaging, along with an in-depth exploration of common diseases diagnosable using CT.

Offered: Fall, Spring, Summer.

RTE 3765 - Anatomy for the Medical Imager (3)

This course involves an in-depth study of normal anatomical structures, covering aspects such as their location, relationships with other structures, and function. Students will learn to identify anatomical structures in multiplanar sections using various resources, including diagrams and diagnostic images. The comparison of Computed Tomography (CT), Magnetic Resonance Imaging (MRI), and Ultrasound images will be emphasized when applicable.

Offered: Fall, Spring, Summer.

RTE 4474 - Quality Management in Imaging (3)

Quality Management (QM) is a critical aspect of ensuring the proper functioning of imaging equipment and compliance with government and accreditation standards. This course is designed to provide students with a comprehensive understanding of quality assurance, quality improvement, and quality control in the field of radiologic and imaging sciences. It explores the role of imaging technologists in developing and implementing quality assurance programs to ensure accurate diagnosis and safe patient care, with a focus on digital imaging systems.

Offered: Fall, Spring, Summer.

RTE 4574 - Advanced Imaging Modalities (3)

The course covers various advanced imaging modalities, with a focus on the interaction of high-frequency x-rays with computer technology. The curriculum encompasses the use of magnetic fields

and radio frequency, radiopharmaceuticals, and ultrasound. The major emphasis is on understanding the application of physics in producing medical images through computer technology.

Offered: Fall, Spring, Summer.

RTE 4942L - CT Practicum (3)

This course offers practical application of classroom-acquired knowledge in a clinical setting for students who have completed RTE 3590. The practicum must commence within 12 months of RTE 3590 completion. Students will demonstrate proficiency in CT procedures, equipment operation, patient care, and safety. Non-repeatable.

Offered: Fall, Spring, Summer.

RTV - Mass Comm (Radio TV)

RTV 1000 - Fundamentals of Broadcast Production (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 1251 - Digital Video Editing (4)

In this course, students will learn production and post-production techniques for effective non-linear editing and distribution of content.

Offered: Fall.

RTV 1510 - Studio Television Production (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 1520 - Broadcast Videography (4)

In this course, students will learn digital camera construction and operation, shot composition, lens function, sequencing, and videographic techniques for editing.

Offered: Fall, Spring.

RTV 1613 - Digital Video Effects (3)

In this course, students learn graphic design concepts necessary for broadcast and web graphics

and apply them using industry software for graphic design and motion effects.

Offered: 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/Newsriting/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 2541 - Team Media Production (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 2600 - Acting for the Lens and Camera (3)

This course introduces students to blocking and performance techniques for live and taped television productions.

Offered: 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

Offered: Fall, Spring, Summer.

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)

This course provides pre-service teachers with science subject knowledge and strategies for teaching science in the elementary classroom. This course requires field experience hours in an approved public school.

Offered: Fall, Spring.

SCE 3832 - Science Concepts in the Elementary Classroom (3)

This course is designed to prepare individuals to teach conceptually and developmentally appropriate science content at the elementary grade level. Topics include fundamental concepts of life science, physical science, earth and space science, and the nature of science.

Offered: Fall, Spring, Summer.

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.

Offered: Spring.

SLS - Student Life Skills**SLS 1122 - Managing Your Success (3)**

This course empowers students with strategies for academic, personal, and professional growth through the practice of self-reflection, and goal setting. Students will use a growth mindset to strengthen their communication skills, navigate key resources, and develop essential academic and life skills for their long-term success. By the end of this course, students will have a set of strategies to support their academic, career, and personal success.

Offered: Fall, Spring, Summer.

SLS 1127 - Faculty Peer Mentoring Experience for Marine and Environmental Science Programs (0)

Students form a cohort and are introduced to the Environmental Science Technology A.S. degree and specializations. Students will enter into and participate in a mentoring relationship where the mentor will advise students regarding their pathway through the EST A.S. degree program.

Offered: Fall.

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.

Offered: Fall, Spring, Summer.

SLS 2301 - Career Development (3)

This course is designed for students who are undecided or need clarification in choosing a degree, major or career path. It includes personal assessments that relate to values, goals and skills as well as engagement activities that prepare students for entry into the world of work. Emphasis is given to effective academic and career planning and preparation.

Offered: Fall, Spring.

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.

SLS 2940 - Service Learning (1)

This course provides students with faculty-directed practical service experiences in an educational or community service setting. This course includes a planned service-learning experience focused on three hallmarks: service, leadership, and scholarship. Students will develop a personal understanding of service and civic participation through action and reflection. Each college credit earned for service-learning experience requires a minimum of 15 hours of community service. May be repeated for credit two (2) times.

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 processes and overall expectations for disposition for teaching. Students will learn how coursework relates to their meeting the Florida Department of Education requirements for teacher certification and how to ensure they remain a satisfactory candidate for graduation or program completion. This course may be offered in the FA or SP term.

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 math and science subject areas. This course requires field experience hours in an approved public school.

Offered: Spring.

SON - Sonography

SON 1000 - Introduction to Medical Sonography (3)

This course is an introduction to the profession of sonography and the role of the sonographer. Emphasis on basic ultrasound procedures, medical terminology, ethical/aspects, musculoskeletal disorders, professional issues relating to registry, accreditation, professional organizations, and history of the profession.

Offered: Fall, Spring, Summer.

SON 1100C - Principles and Protocols of Imaging and Lab (4)

This course focuses on sonographic scanning techniques and quality patient care procedures for the abdomen and pelvis. The course topics include the application of transducer manipulations, instrumentation controls, anatomic scanning planes, standard presentations and annotations of ultrasound images, and patient care skills. Body mechanics and ergonomics are also discussed.

Offered: Summer.

SON 1113 - Cross Sectional Anatomy (3)

This course covers the sectional anatomy of the male and female body. It includes anatomical relationships of organs, vascular structures, body planes, and quadrants

Offered: Summer.

SON 1141 - Small Parts Sonography (3)

This course provides a general introduction to the areas of thyroid, prostate, scrotum, breast and other superficial structures.

Offered: Fall.

SON 1210 - Introduction to Sonographic Physics and Instrumentation (3)

This introductory course will expand upon the basic physics and instrumentation concepts presented in SON1000. Course content will include various components of an imaging machine, and how each component is interrelated as well as how components contribute to the production of a sonographic image. Basic sonographic physics will be introduced.

Offered: Fall.

SON 1804L - Clinical 1 (2)

This is the first course in clinical education. This course provides a supervised clinical experience for the student to focus on competency of scanning skills during basic sonographic exams. Students develop and apply skills related to protocols, procedures, and patient care.

Offered: Spring.

SON 1814L - Clinical 2 (2)

During this clinical experience, students continue to focus on competency of scanning skills while performing various patient imaging procedures. This course reinforces understanding of specific protocols, patient care, and proper exam documentation.

Offered: Summer.

SON 2061 - Seminar (3)

This course will address issues that will facilitate the graduate's entry into a career in sonography. Topics include registry examination preparation, resume writing, and test taking strategies. Students are required to register for the National Board examination.

Offered: Summer.

SON 2111C - Abdominal Sonography 1 and Lab (4)

This course provides a study of the structure, function, pathology, and relational anatomy of the abdominal organs. The material focuses on sonographic visualization of normal and abnormal abdominal organs, including the pancreas, liver, biliary system, spleen, and urinary system, and the adrenal glands and vascular structures.

Offered: Fall.

SON 2112C - Abdominal Sonography 2 and Lab (4)

This course provides a study of the structure, function, pathology, and relational anatomy of the abdominal organs. The material focuses on sonographic visualization of normal and abnormal abdominal organs to include the pancreas, liver, biliary system, spleen, and urinary system, as well as the adrenal glands and vascular structures.

Offered: Fall.

SON 2121C - OB/GYN Sonography 1 and Lab (4)

This course presents the sonographic anatomy and physiology of the female reproductive system with or without a pregnancy. The curriculum includes the pathologic conditions, clinical sonographic presentations, and signs and symptoms of conditions associated with the female pelvis. 1st, 2nd and 3rd

trimester obstetrical imaging is introduced including fetal measurements and development.

Offered: Spring.

SON 2122C - OB/GYN Sonography 2 and Lab (4)

The curriculum discusses evaluation of the fetus including related anatomy, physiology, pathology, and pathophysiology. Instruction focuses on normal and abnormal fetal conditions in pregnancy, including assessment of gestational age through biometry techniques, sonographic landmarks, and appearance of the fetal head, neck, spine, chest, abdomen, pelvis, extremities, and heart. Body planes which must be sonographically imaged for accurate diagnosis is stressed.

Offered: Spring.

SON 2171C - Vascular Sonography and Lab (4)

This course introduces diagnostic imaging with Doppler for examining the vasculature of the human body. In this class the student will learn about diseases that affect the circulatory system. The course provides a history of diagnosis and treatment of vascular conditions.

Offered: Summer.

SON 2211 - Medical Sonographic Physics (3)

This course presents the principles and fundamentals of diagnostic ultrasound physics and how these apply to clinical practice. Basic acoustical physics and the interaction of acoustical waves in human tissue are introduced. The curriculum emphasizes transducer design and construction, ultrasound in soft tissue, attenuation of sound energy, parameters affecting sound transmission, and resolution of sound beams.

Offered: Fall.

SON 2824L - Clinical 3 (4)

This clinical course builds on all prior coursework to provide the student with a solid foundation of all protocols and scanning techniques related to abdominal, obstetric, gynecologic, and vascular scanning. Patient care, the role, and duties of the sonographer in the health care environment and instruction in the use of various types of ultrasound equipment will be discussed. Students receive instruction and guidance in producing quality sonographic images and the parameters used to evaluate the images throughout the clinical rotations.

Offered: Fall.

SON 2834L - Clinical 4 (4)

This final clinical experience reinforces and broadens the skills gained in Clinical 3 (SON2824L). Students

perform exams under indirect supervision while exercising critical thinking and independent judgment. Students must complete all required final clinical competencies.

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 2006C - Introduction to Soil Science and Lab (4)

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 1017 - Introduction to Communication (3)

In this course, students will explore communication concepts and topics like interpersonal communication, small group communication, and public speaking. In exploring these concepts, students develop skills to be effective communicators.

Offered: Fall, Spring, Summer.

SPC 2608 - Oral Communications/Research/Presentation Skills (3)

State Course Description (6A-14.0303): Communication theory and its application to preparing and delivering public speeches. Emphasis on improving speaking and listening skills common to all forms of oral communication through a variety of experiences in public speaking.

Offered: Fall, Spring, Summer.

SPC 2999A - Speech Requirement (3)

Speech Requirement

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 III Concentrated (4)

A continuation of SPN1121. 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, Spring, Summer.

SPN 2221 - Intermediate Spanish IV Concentrated (4)

A continuation of SPN2220. 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: Fall, Spring, Summer.

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.

Offered: Fall, Spring, Summer.

SSI-Sociology

SSI 2997A - Social Sci Req (3)

Social Sci Req

SSI 2998 - Social Science Requ (3)

Social Science Requ

SSI 2999 - Social Science Requ (3)

Social Science Requ

STA - Statistics

STA 2023 - Elementary Statistics (3)

State Course Description (State Rule 6A-14.0303): In this course, students will utilize descriptive and inferential statistical methods in contextual situations, using technology as appropriate. The course is designed to increase problem-solving abilities and data interpretation through practical applications of statistical concepts. This course is appropriate for students in a wide range of disciplines and programs.

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.

STS 0120 - Surgical Specialties 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 Specialties 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 Specialties 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, Spring, Summer.

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 2365 - 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 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 2000C - Introduction to Soil Science and Lab (4)**

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: Fall.

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. This course will help satisfy the graduation requirements of the Associate of Arts (A.A.) degree.

Offered: Fall, Spring.

SYD - Sociology Demography**SYD 2707 - Race and Ethnicity (3)**

This introductory course focuses on the study of majority-minority relations with an emphasis on ethnic and racial minorities in the United States with comparisons to the experiences of other societies. This course also helps develop the general education skills of (1) critical/creative thinking; and (3) cultural literacy. (Prerequisite: Appropriate placement scores or successful completion of college prep course or qualified developmental exemption or ENC1101.)

Offered: Fall.

SYD 2803 - Gender and Society (3)

This introductory course is an historical and contemporary examination of the changing political, social, economic, legal, and sexual roles of gender in society. This course also helps develop the general education skills of (1) critical/creative thinking; and (3) cultural literacy. (Prerequisite: Appropriate placement scores or successful completion of developmental education courses or qualified development exemption or ENC1101.)

Offered: Spring.

SYG - Sociology**SYG 2000 - Introduction to Sociology (3)**

State Course Description (6a-14.0303): In this course, students will gain an understanding of the basic sociological concepts and vocabulary, including the methodological tools, sociological perspectives, and scientific procedures used by social scientists to collect data and conduct research. Topics generally include: society and culture, institutions, socialization, influences, crime, change, groups, sex, race and ethnicity, family, class, and population. 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 (3)

A general introduction to the sociological study of problems. Topics may include: poverty and inequality, racism, sexism, drug and alcohol abuse, crime and violence, urban problems and environmental problems.

Offered: Fall, Spring.

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.

TAX 3001 - Federal Income Tax (3)

This course is an introduction to federal income taxation focused on providing a basic understanding of the federal income tax laws as they relate to individuals and businesses.

Offered: Spring.

TAX 3011 - Taxation of Business Organizations (3)

This course covers concepts and methods of determining income for corporations, partnerships, estates and trusts for tax purposes, including interpretation of the internal revenue code, related regulations, and tax advisory services.

Offered: Spring.

TDR - Technical Drafting

TDR 0304C - Computer Aided Drafting (CAD) and Lab (130)

This course prepares students for an understanding of graphic design by generating and interpreting computer-aided drawings and reinforcement of creating and understanding technical drawings for the field of Machining. The course is structured around the software program Solidworks.

Offered: Fall, Spring.

THE - Theatre Arts

THE 1000 - Theatre Appreciation (3)

State Course Description (6A-14.0303): In this course, students will explore dramatic structure, techniques, and various organizational elements. The course provides an introduction to theatre as a collaborative art form through the critical analysis of its historical context, production, theory, and connections to theatrical literature, including the western canon.

Offered: Fall, Spring, Summer.

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 1110 - Acting 1 (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. 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.

TPP 1111 - Acting 2 (3)

Basic scene study focusing on script analysis. Students will learn to recognize themes, dramatic structure, and metaphor.

Offered: Fall, Spring.

TPP 1200C - Healthcare Theater (3)

Through research, acting and improvisational activities, students in this course will develop the skills to portray patients, family members, and healthcare providers in simulation performances. They will also analyze diverse human perspectives to create performances as a standardized patient in healthcare field experiences.

Offered: Fall, Spring.

TPP 2118 - Acting 3 (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.

TPP 2119 - Acting 4 (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.

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)**

The purpose of this course is to develop the foundation of knowledge necessary to prepare educators to teach English to Speakers of Other Languages (ESOL) and explore cross-cultural communication, legal issues that have influenced ESOL education, and first and second language acquisition theories. This course requires field experience hours observing and working with K-12 English Language Learners/ESOL students in an approved public school.

Offered: Fall, Spring.

TSL 4081 - ESOL Issues and Strategies II (3)

The purpose of this course is to build upon the foundation course for students in the integrated teacher education programs. The course will focus primarily on methods, curriculum, and assessment of English Language Learners and requires field

experience hours in an approved public school observing and teaching K-12 ELLs/ESOL students.

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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