



# ACADEMIC CATALOG 2021-2022



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# HOME



Frederick Community College 2021-2022 Catalog, produced by the marketing and curriculum systems & scheduling offices, April 2021.

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Frederick Community College prohibits discrimination against any person on the basis of age, ancestry, citizenship status, color, creed, ethnicity, gender identity and expression, genetic information, marital status, mental or physical disability, national origin, race, religious affiliation, sex, sexual orientation, or veteran status in its activities, admissions, educational programs, and employment.

Frederick Community College makes every effort to accommodate individuals with disabilities for College-sponsored events and programs. If you have accommodation needs or questions, please call 301.846.2408. To request a sign language interpreter, please visit <http://fcc-interpreting.genbook.com>. If you have interpreting related questions, please email [Interpreting@frederick.edu](mailto:Interpreting@frederick.edu). Sign language interpreters will not be automatically provided for College-sponsored events without a request for services. To guarantee accommodations, requests must be made at least five workdays in advance of a scheduled event.

If your request pertains to accessible transportation for a College-sponsored trip, please submit your request at least 21 calendar days in advance. Requests made less than 21 calendar days in advance may not be able to be guaranteed.

All members of the College community are expected to abide by this non-discrimination policy and to comply with Title VI and Title VII of the Civil Rights Act of 1964, the Age Discrimination in Employment Act of 1967, (ADEA), Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, (ADA), and amendments.

The designated coordinator for FCC compliance with Section 504 of the Rehabilitation Act of 1973 and for the Americans with Disabilities Act is:

Kate Kramer-Jefferson  
301.846.2409 • Room A-105F

For questions or concerns regarding Title IX issues, contact:

Melissa Bard, Title IX Coordinator  
301.846.2677 • Suite 223 of Gambrill Hall (Building G)

FCC promotes diversity and respect for all students and visitors. To reach the FCC Director of Diversity, Equity, and Inclusion, contact: 301.624.2711

Frederick Community College reserves the right to amend or delete any administrative policies, academic rules or regulations, courses, or programs contained in this catalog without prior notice to persons who might be affected. Information regarding expenses, fees and other charges applies to the current academic year only. This publication is not intended to be a contract, merely a prospectus describing the college.

Frederick Community College is fully accredited by the Middle States Association of Colleges and Secondary Schools. Middle States Accreditation attests that the Commission on Higher Education considers the institution to be offering its students the educational opportunities implied by its objectives. A copy of the College accreditation documentation is available in the Office of Institutional Effectiveness.

Frederick Community College is also approved by the Maryland State Department of Education. The college is certified for the education and training of veterans enabling them to receive VA benefits while attending classes.

Frederick Community College

7932 Opossumtown Pike  
Frederick, Maryland 21702  
[frederick.edu \(http://www.frederick.edu\)](http://www.frederick.edu)

# SERVICES PHONE LIST

Service Area	Location	Number
Academic Advising	Career and Academic Planning Services, Jefferson Hall, J-201	301.846.2471
<b>Academic Departments</b>		
Building Trades	Monroe Center, 200 Monroe Avenue	240.629.7902
Communication, Humanities & Arts	Visual & Performing Arts Center, F-143	301.846.2512
Computing & Business Technology	Catoctin Hall, C-220	301.846.2505
English	Student Center, H-243	301.846.2600
Health Science	Linganore Hall, L-101A	301.846.2605
Hospitality, Culinary & Tourism Institute	Monroe Center, 200 Monroe Avenue	301.846.2404
Mathematics	Braddock Hall, B-228	301.846.2530
Mid-Atlantic Center for Emergency Management and Public Safety	Annapolis Hall, A-204	301.624.2854
Nursing	Linganore Hall, L-114	301.846.2524
Science	Catoctin Hall, C-118	301.846.2510
Social Sciences and Education	Student Center, H-242	301.846.2507
Admissions	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.624.2716
Admissions & Academic Policy Appeals (AAPC)	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2653
Adult Education/ESL/GED	Conference Center, E-102	240.629.7962
Advisors	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.846.2471
Allied Health Academy	Adult Services, Annapolis Hall, A-103	301.846.2483
Alumni Association	Institutional Advancement Office, Annapolis Hall, A-202	301.846.2438
Anne-Lynn Gross Breast Cancer Resource Center	Adult Services, Annapolis Hall, A-103	301.846.2483
Application for Admission	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.624.2716
ARTSYS	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.846.2471
Athletics	Athletics Center, D-115	301.846.2500
Bess & Frank Gladhill Learning Commons	Linganore Hall, 2 <sup>nd</sup> Floor	301.846.2444

Books	Bookstore, Student Center, H-117	301.846.2463
Box Office (JBK Theater)	Visual & Performing Arts Center, Theater Lobby	301.846.2514
Bus Schedule (Frederick City)	Adult Services, Annapolis Hall, 1 <sup>st</sup> Floor	301.846.2483
Career Planning Services	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.846.2594
Cashier (Student Accounts)	Enrollment Center, Jefferson Hall, 1 <sup>st</sup> Floor, J-112	301.846.2456
Center for Student Engagement	Student Center, H-101	301.624.2793
Center for Teaching & Learning	Gladhill Learning Commons, Linganore Hall, L-226	301.846.2521
FCC Foundation	Annapolis Hall, A-202	301.846.2479
Chief of Operations	Annapolis Hall, A-204C	301.846.2674
Children's Center	Children's Center, building M on the campus map	301.846.2612
CLEP Tests	Testing Center, Linganore Hall, L-104	301.846.2522
Co-curricular Events	Center for Student Engagement, Student Center, H-101	301.846.2489
College Catalogs (Other Colleges)	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.846.2594
Complaint (Course Grade)	Varies based on instructor location	
Complaint (Non-Grade)	Vice President Learning Support Suite, Jefferson Hall, 3 <sup>rd</sup> Floor, J-307	301.846.2469
<b>Continuing Education &amp; Workforce Development Programs</b>		
Adult Education/ESL/GED	Conference Center, E-102	240.629.7962
Business Solutions	Monroe Center, 200 Monroe Avenue	240.629.7982
Career & Technical Training & Technology	Monroe Center, 200 Monroe Avenue	301.624.2756
Construction & Applied Technologies Institute (CATI)	Monroe Center, 200 Monroe Avenue	240.629.7903
Healthcare Careers	Monroe Center, 200 Monroe Avenue	240.629.7907
Hospitality, Culinary & Tourism Institute	Monroe Center, 200 Monroe Avenue	240.629.7912
Institute for Learning in Retirement	Conference Center	301.624.2732

Lifelong Learning	Conference Center	301.624.2727	Information Technology	Gambrill Hall, G-122	301.846.2509
Motorcycle Programs	Conference Center	301.624.2727	Help Desk		
Youth & Community Education	Conference Center	301.846.2661	Institutional Advancement	Annapolis Hall, A-202	301.846.2438
CEWD Registration Office	Enrollment Center, Jefferson Hall, 1 <sup>st</sup> Floor	301.624.2888	International Education	Gladhill Learning Commons, Langanore Hall, L-226	301.846.2521
Copiers	Gladhill Learning Commons, Langanore Hall, 2 <sup>nd</sup> Floor		International Student Application	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.846.2434
Deferred Tuition Payment Plan	Student Accounts within the Enrollment Center, Jefferson Hall, 1 <sup>st</sup> Floor, J-112	301.846.2456	Internships	Internship Education Office, Conference Center, E-110	301.624.2724
Development Education: English	English Department, Student Center, H-226	301.846.2633	Jack B. Kussmaul Theater	Visual & Performing Arts Center Lobby	301.846.2513
Development Education: Mathematics	Mathematics Department, Braddock Hall, B-230	240.629.7835	Job Search Assistance	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.846.2594
Development Education: Science	Science Department, Catocin Hall, C-109	301.846.2581	Learning Center: Macintosh Computers	Visual & Performing Arts Center, F-107	301.624.2873
Dining Services	Student Center, H-115G	301.846.2466	Learning Center: Tutoring and Writing Center	Gladhill Learning Commons, Langanore Hall, L-226	301.846.2619
Disability Access Services	Disability Access Services Office, Annapolis Hall, A-105	301.846.2408	Learning Center: STEM	Braddock Hall, B-212	240.629.7839
Diversity, Equity, and Inclusion	Annapolis Hall, A-107F	301.624.2711	Library Services	Gladhill Learning Commons, Langanore Hall, 2 <sup>nd</sup> Floor	301.846.2444
Dream Act	Enrollment Center, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2431	Lost and Found	Security Office, Student Center, H-116	301.846.2601
Dual Enrollment	Langanore Hall, L-103	301.624.2893	Macintosh Computer Lab	Visual & Performing Arts Center, F-107	301.624.2873
Emergency (College Closing)		301.846.2400	Mary Condon Hodgson Art Gallery	Visual & Performing Arts Center Lobby	301.846.2513
English as a Second Language Courses	Annapolis Hall, A-106	240.629.7962	Mid-Atlantic Center for Emergency Management and Public Safety	Annapolis Hall, A-204	301.624.2854
Faculty Professional Development	Center for Teaching & Learning, Gladhill Learning Commons, Langanore Hall, L-226	301.846.2521	Multicultural Student Services	Student Center, H-103	301.624.2894
FCC Foundation, Inc.	Annapolis Hall, A-200A	301.846.2438	Office of Adult Services	Annapolis Hall, A-103	301.846.2483
FEMA Program and Transcripts		301.624.2854	Online Learning and Instructional Innovation	Center for Teaching & Learning, Langanore Hall, L-204	301.846.2401
Financial Aid Information	Financial Services Center, Jefferson Hall, 3 <sup>rd</sup> Floor	301.846.2620	Parking Permits	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2431
General Information	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2400	Parking/Traffic Information	Security Office, Student Center, H-116	301.846.2453
Graduation Applications: Associates, Certificates, & LORs	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2431	Phi Theta Kappa	Student Center, H-101	301.846.2489
Honors College	Student Center, H-245	301.846.2535	Placement Testing	Testing Center, Langanore Hall, L-104	301.846.2522
Honors Lounge	Student Center, H-247	240.629.7831	President of the College	President's Suite, Annapolis Hall, A-200	301.846.2442
Honors Student Association	Student Center, H-245	240.629.7831	Prior Learning Assessment	Braddock Hall, B220	301.846.2587
Human Resources	Gambrill Hall, G-223	240.629.7854	Project Forward Step	Adult Services, Annapolis Hall, A-103	301.846.2483
ID Cards for Students	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2431			

Refunds	Student Accounts within the Enrollment Center, Jefferson Hall, 1 <sup>st</sup> Floor, J-112	301.846.2456	Tuition Payments	Student Accounts within the Enrollment Center, Jefferson Hall, 1 <sup>st</sup> Floor, J-112	301.846.2456
Registration	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2431	Tuition Refund Committee	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2431
Residency Classification	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2431	Tutoring and Writing Center	Gladhill Learning Commons, Linganore Hall, L-226	301.846.2619
Scholarship Information	FCC Foundation Office, Annapolis Hall, A-200A	301.846.2620	Veteran and Military Services	Veteran and Military Student Center, Annapolis Hall, A-109	301.624.2836
Security	Security Office, Student Center, H-116	301.846.2453	Vice President of Finance and Human Resources	Gambrill Hall, G-230	301.846.2458
Service Learning	Student Center, H-101	301.624.2793	Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development	Academic Affairs, Annapolis Hall, A-102	301.846.2491
Sign Language Interpreters	Interpreting Services, Annapolis Hall, A-105	301.846.2476	Associate Vice President for Continuing Education & Workforce Development	Monroe Center, 200 Monroe Avenue	240.629.7905
STEM Learning Center	Braddock Hall, B-212	240.629.7839	Vice President for Learning Support	Vice President Learning Support Suite, Jefferson Hall, 3 <sup>rd</sup> Floor, J-307	301.846.2469
Student Accounts (Cashier)	Jefferson Hall, J-112	301.846.2456	Work Study Information	Financial Services Center, Jefferson Hall, 3 <sup>rd</sup> Floor	301.846.2620
Student Activities	Center for Student Engagement, Student Center, H-101C	301.846.2488			
Student Employment (on campus)	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.846.2594			
Student Government	Center for Student Engagement, Student Center, H-239	301.846.2650			
Student Engagement	Center for Student Engagement, Student Center, H-101	301.624.2793			
Student Loans	Financial Services Center, Jefferson Hall, 3 <sup>rd</sup> Floor	301.846.2620			
Student Publications: College Newspaper (FCC Commuter)	Newspaper Advisor, Student Center, H-106C	301.846.2640			
Student Publications: Literary Magazine (Tuscarora Review)	English Department, Student Center, H-243	301.846.2600			
Student Tech Services	Gambrill Hall, G-118	301.846.2509			
Studio Black Box Theater	Visual & Performing Arts Center, F-142	301.846.2515			
Study Skills Workshops	Gladhill Learning Commons, Linganore Hall, L-226	301.846.2619			
Testing	Testing Center, Linganore Hall, L-104	301.846.2522			
Title IX	Gambrill Hall, G-224	301.846.2436			
Transcripts Services (outgoing)	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2653			
Transfer Planning Services	College & Career Readiness Center, Jefferson Hall, 2 <sup>nd</sup> Floor	301.846.2471			
Transfer Evaluations	Welcome Desk, Jefferson Hall, 1 <sup>st</sup> Floor	301.846.2595			

# THE COLLEGE

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FCC offers associate of arts, associate of arts in teaching, associate of science, and associate of applied science degrees, as well as certificates and letters of recognition in career programs. The Carnegie Classification for the College is Associate's - High Transfer-High Traditional.

## A History

Founded in 1957, Frederick Community College has grown from 77 students to more than 16,000 students registered each year in credit and Continuing Education (non-credit) programs. Started as an evening school, FCC moved from Frederick High School to a facility on North Market Street, and finally, in 1970, to its permanent home on Opossumtown Pike.

Today's beautiful campus is a community asset that serves students of all ages and backgrounds. The College is committed to meeting the needs of all students and maintaining high-quality instruction at an affordable cost. FCC awards associate of arts, associate of arts in teaching, associate of applied science, and associate of science degrees and certificates of accomplishment in more than 50 fields of study. Many students select transfer programs that allow them to continue on to a four-year college for a bachelor's degree. The College offers an array of career-oriented programs that prepare students for immediate entry into the workforce. The Continuing Education/Workforce Development programs offer non-credit courses in business, computers, real estate, and general interest, as well as contract training for business and industry.

The average age of FCC students is 25; about 67 percent attend part time, and 71 percent plan to transfer to a four-year school. The College understands the special scheduling and counseling needs of adult part-time student and offers convenient evening, weekend, and online classes.

## The Campus

The development of our 97-acre campus mirrors the growth of our student population. The most recent building renovation and update was the Monroe Center which was completed in October 2017. Completed in January 2016 was the opening of the Gladhill Learning Commons in Linganore Hall. The new flexible research and learning space offers academic support services, study spaces, and technology in order to promote collaboration and inspire academic excellence.

Additions and renovations to Braddock and Catoctin halls were completed in 2015, providing state-of-the-art science and computer labs, upgraded classrooms geared toward collaborative learning, and study, tutoring, and lounge areas where students can get support from faculty and other students.

Other campus highlights include the Visual & Performing Arts Center, which has an art gallery, a 400-seat theater, and a small studio theater for more intimate productions; and our Student Center, where students can find the Cougar Grille, the Center for Student Engagement, and the bookstore, as well as student lounges and classrooms.

Visit [frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>) to learn how FCC can help you reach your academic and career goals.

## Mission, Vision & Goals

### Mission Statement

With teaching and learning as our primary focus, FCC prepares an increasingly diverse student body to complete their goals of workforce preparation, transfer, career development, and personal enrichment with quality, innovative lifelong learning. In traditional and alternative learning environments, we anticipate and respond to the needs of our local, regional, and global communities.

### Vision

We transform individuals and communities through learning.

### Values

**Learning:** Lifelong acquisition of knowledge and skills

**Innovation:** Creative thinking and approaches that enhance learning and support continuous improvement

**Diversity:** Visible and invisible human differences that affect the success of students, staff, and members of the community

**Excellence:** Upholding high academic standards by providing a quality educational environment

**Community:** Encouraging the engagement of all internal and external stakeholders through communication and collaboration

**Integrity:** Fair and ethical standards in all policies, procedures, and practices

### Strategic Goals & Objectives

**Enhance student persistence, success, and completion through collaborative and effective support systems.**

*Strategic Objectives:*

- Create a unified culture of persistence, success, and completion.
- Develop and implement comprehensive orientation and mentoring programs.
- Expand student access to and utilization of support services.
- Develop and implement pathways for credit and non-credit students to easily navigate transition points.
- Enhance communication strategies for students, faculty, and staff.

**Promote excellence in the design, delivery, and support of student learning.**

*Strategic Objectives:*

- Expand innovative instruction to increase student engagement and meet the demands of changing populations.
- Design and support professional development that enhances student learning.
- Develop and implement quality delivery standards and assessment protocols for each modality of instruction.
- Increase student engagement by promoting the importance of co-curricular and extra-curricular events.
- Expand systematic program review and assessment to all areas of College operations.

**Ensure fair and ethical standards in all policies, practices, and procedures throughout the College Community.**

*Strategic Objectives:*

- Increase diversity of student and employee base
- Infuse global perspectives into programs and services
- Enhance an inclusive climate for students and employees
- Develop and implement policies and procedures that enable efficient access for all students

**Prepare for the future through effective planning, resource development, and continuous institutional improvement that is aligned with the College mission.**

*Strategic Objectives:*

- Establish priorities and identify current and anticipated resources.
- Secure innovative and creative revenue sources through entrepreneurial efforts.
- Design a systematic plan to align staffing needs with strategic priorities.

**Enhance access, support, and opportunities that meet the needs of diverse and changing populations.**

*Strategic Objectives:*

- Improve student recruitment efforts and employment practices to build the diversity and inclusiveness of our College.
- Create targeted programs for emerging populations that address their specific needs and enhance student learning.
- Implement strategies to increase and engage diverse and emerging populations.
- Expand community outreach to secure resources for student support.

**Expand the leadership capacity of all employees through professional development to meet the challenges and opportunities for our College**

*Strategic Objectives:*

- Develop a plan that ensures continuity of campus operation.
- Develop a systematic plan to provide opportunities for career growth.
- Create professional development opportunities that improve job skills, leadership capabilities, and employee productivity.
- Develop a sustainable program to mentor employees and acknowledge their contributions to the operation of the College.

**Clearly articulate a governance structure that is transparent and outlines roles, responsibilities, and accountability for decision making.**

*Strategic Objectives:*

- Ensure that all job descriptions are current and representative of employees' responsibilities.
- Maintain current organizational charts and make them accessible.
- Develop a component for new employee orientation to ensure they understand their roles and responsibilities in the governance structure.

**Articulate career pathways for continuing education and credit students which enhance their ability to secure employment.**

*Strategic Objectives:*

- Align programs with current and future jobs.
- Develop and implement a credit for prior learning structure which includes non-credit pathways.

**Increase access, affordability, and student goal completion.**

*Strategic Objectives:*

- Enhance the college readiness of FCPS students by collaborating on early assessment, professional development, and the development of effective transition courses in Math and English.
- Enhance collaborative efforts between local high schools and FCC to develop early college access through dual enrollment initiatives.
- Improve the access, retention, and goal completion for adult learners.
- Implement strategies that reduce the time to goal completion and make FCC more affordable.

## Community Outreach

### FCC Foundation and the Office of Institutional Advancement

*The Frederick Community College Foundation, Inc. is a philanthropic network of advocates enriching the vitality and quality of life in our community by promoting access to higher education. In partnership with individuals, organizations, and businesses, the mission of the Frederick Community College Foundation is to remove barriers to a community college education and provide financial support so all students can succeed and positively contribute to our community.*

The Foundation is governed by an independent Board of Directors. This group of College ambassadors is committed to providing outstanding private support for the priority needs of the College including scholarships, Student Success Funds and program support. All gifts to the Foundation are tax deductible as charitable donations subject to IRS regulations.

For further information about the Foundation, contact:

- Deborah W Powell,  
Executive Director  
301-846-2438 or dpowell@frederick.edu

For information on scholarships, go to [frederick.edu/foundation/scholarships](http://frederick.edu/foundation/scholarships) (<http://apps.frederick.edu/foundation/wheretogive/fccfoundationscholarships.aspx>).

For information on the Student Success Fund, go to [frederick.edu/studentsuccess](http://frederick.edu/studentsuccess) (<https://app.perfectforms.com/PresentationServer/Form.aspx/Play/dP1lgAYI/?f=dP1lgAYI>) or contact:

- Michael Thornton,  
Scholarship Program Manager  
301-846-2438 or mthornton@frederick.edu

## Alumni Connection

*The FCC Alumni and Friends Connection fosters relationships to support the overall advancement of the College, and provide opportunities for professional and community engagement.*

The FCC Alumni and Friends Connection serves as a vehicle for alumni and friends of FCC to maintain a lifelong partnership in its educational and cultural programs and to provide a link between the College and the

community it serves. Whether you received a college degree, attended a Fine Arts performance, or sent your children to Kids and Teens on Campus, rediscover your academic legacy and the memories and friends that made your college experience exceptional. Contact the FCC Foundation at 301-846-2438 or [alumni@frederick.edu](mailto:alumni@frederick.edu).

### **Jack B. Kussmaul Theater**

The Jack B. Kussmaul Theater, located in the Visual & Performing Arts Center, offers quality musical and theatrical performances, lectures, and educational programs for the College and community. The 409-seat theater features a three-section mezzanine and orchestra seating. Support areas for the 1,800-square-foot stage include a box office and green room with male and female dressing areas. The Jack B. Kussmaul Theater is available for rental. For additional information, call 301.846.2513.

### **The Mary Condon Hodgson Art Gallery**

The Mary Condon Hodgson Art Gallery, located in the lobby of the theater, exhibits a variety of works monthly from national and regional artists as well as FCC students and faculty. For additional information, call 301.846.2513.

### **Conference Center**

The 14,000-square foot Conference Center provides meeting space for workshops or training sessions for area businesses and organizations. It includes classrooms, meeting space, and breakout rooms, as well as catering with formal sit-down or buffet service. For more information, call 301.846.2671.

### **The Children's Center**

The Carl and Norma Miller Children's Center offers year-round full- and part-time care to children of FCC students, staff, and faculty, as well as the community. The center is committed to a developmentally-appropriate program for children ages six weeks and older. Staffed by professional early childhood educators, the center serves as a model child care center and provides student teaching experience for FCC students in early childhood education and related fields. Summer programs offer fun and excitement throughout the summer months for elementary-aged children. For more information about the center, call 301.846.2612.

Student parents whose children have been accepted at the FCC Children's Center may apply for Children's Center grants to assist with the cost of child care. Grant applications are available at the FCC Children's Center, the Office of Adult Services and the Financial Aid office. Deadlines for submitting applications are July 15 for the fall semester, December 1 for spring semester, and April 30 for the summer semester. Applications are also available online on the FCC website at [frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>).

### **Jefferson Hall**

Jefferson Hall is the gateway for all students and their families, returning alumni and guests. The building consists of the Enrollment Center (Welcome Desk, Student Accounts, Registration and Records) on the first floor, the College and Career Readiness Center (Admissions, Counseling and Advising, Transfer and Career Services) on the second floor, and the Financial Services Center (Finance, Financial Aid) and the Vice President for Learning Support Suite on the third floor. More information is available online on the FCC website at [frederick.edu/jeffersonhall](http://www.frederick.edu/jeffersonhall) (<http://www.frederick.edu/jeffersonhall/>).

### **Use of Facilities by Outside Groups**

College facilities may be rented by the community for civic, educational, cultural, and community recreational purposes consistent with policies and procedures established by the College. Campus facilities may be used by non-college groups when not being used by the College or for college-sponsored activities.

The Capital Planning Office is responsible for processing and approving all public and community use facility requests. A request must be submitted online using the Public & Community Request for Use of Facilities form on the College website at least four weeks in advance for best consideration. The Capital Planning Office will respond to the request within three workdays of receipt of a complete request.

The Arts Center Director is responsible for scheduling all events in the JBK Theater in cooperation and collaboration with the Facilities Planning Office. To request the use of space for a public or community event in the JBK Theater, contact the Arts Center Director at [WPointexter@frederick.edu](mailto:WPointexter@frederick.edu).

For additional information, view the Use of Facilities Policy and Procedure available at [frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>).

# ADMISSION TO THE COLLEGE

Check the college website, frederick.edu (<https://www.frederick.edu/current-students/required-communications/student-policies-procedures.aspx>), for the most up-to-date student policies and procedures.

## Admissions Policy and Procedures

### I. Philosophy and Scope

Frederick Community College ("FCC" or the "College") is an open admissions College committed to lifelong learning that provides access to postsecondary education. A student may be admitted to the College without being admitted to a specific credit or continuing education program. The College prohibits discrimination against any person on the basis of age, ancestry, citizenship status, color, creed, ethnicity, gender identity and expression, genetic information, marital status, mental or physical disability, national origin, race, religious affiliation, sex, sexual orientation, or veteran status in its activities, admissions, educational programs, and employment.

Admission to the College does not guarantee admission to all programs of study and courses. A high school diploma is not required to participate in credit or continuing education courses or programs. However, a high school diploma or GED may be required to qualify for federal financial aid; and, there may be additional eligibility requirements for credit degree, certificate, and letter of recognition programs. Admission to a specific program of study shall be in accordance with the requirements and procedures established for the specific program of study as adopted by the College. Admission to a specific program of study will be granted based on verifiably accurate application materials, which may include the application for admission, academic transcripts, test data, and other appropriate educational information or credentials, and/or where required, evidence of physical exams, background checks, or test results. First-time college students who apply for admission into degree programs are required to be assessed for reading, writing, computer literacy, and mathematics proficiency prior to initial registration. Based on assessment scores, students will be placed in the appropriate level of developmental or college-level mathematics or English course(s).

Admission to the College may be denied or revoked for those persons whom the College considers to be a potential danger to the safety, security, and educational environment of the College. Such decisions will be made on a case-by-case basis with individuals being afforded due process, which includes notification and explanation of the decision.

### II. Definitions for the Purpose of this Policy and Procedures

The College reserves the right to define the classification of each student at the College. The College categorizes students for the purpose of local, state, and/or federal reporting requirements and regulations.

"Articulation Agreement" refers to officially approved agreements that allow students to apply credits they have earned in specific programs toward advanced standing, entry, or transfer into a specific program at another institution. These agreements outline the specific courses that count for transfer credit at the other institution, as well as the grades a student must earn in order to receive these credits. Students may also earn credit for prior learning and experience to be used toward degree completion at FCC. Students should start with their Program Manager to

determine if there are approved agreements available in their program of study.

#### A. Application Categories for Credit Students

Individuals applying to FCC for a credit course or courses must select one of the following:

1. **"Courses of Interest (Non-FCC Degree Seeking)"** refers to a student who seeks to take courses listed as credit in the FCC catalog for personal knowledge or professional development as opposed to the fulfillment of FCC degree requirements. A student can take Courses of Interest at FCC for personal enrichment or for visiting students who have the intention to transfer the credits to another college. The student should have written authorization from the home institution to ensure transferability of credits. Courses of Interest students are not eligible for Federal Financial Aid.
2. **"Dual Enrollment"** refers to a current high school student who seeks to earn college credit. Dual Enrollment students are not eligible for Federal Financial Aid.
  - a. **"High School Based"** refers to a high school student who takes an FCC course that is taught at their local high school.
  - b. **"Open Campus"** refers to a high school student who takes a College course(s) on College premises or through FCC Online. The course(s) may be during or outside the regular school day.
  - c. **"Career Pathways"** refers to a high school student who takes select FCC courses in a specific career track at their local high school or at FCC, earning both a high school diploma and an industry certification or credential simultaneously.
  - d. **"Early College"** refers to a high school student who is admitted to the Early College program and attends FCC full-time during their junior and senior years - earning both an associate degree and completing their high school requirements.
3. **"Gifted & Talented"** refers to a student under the age of 16 years, who has been identified as having exceptional academic or fine arts talent in selected FCC courses. The student must be at least 12 years of age and have completed the seventh grade or equivalent education. Gifted & Talented students are not eligible for Federal Financial Aid.
4. **"New"** refers to a student who is attending College for the first time, who never applied or registered for a credit course at FCC, except as a Dual Enrollment student, and has not earned credits from another institution of higher learning after high school graduation or equivalency.
5. **"Readmit"** refers to a student who has attended credit courses at FCC previously, but not within the last two years (two fall and two spring semesters – exclusive of the summer sessions), who seeks to reenroll.
6. **"Transfer"** refers to a student who has attended another institution of higher learning after high school graduation or equivalency, and who seeks to receive credit for prior coursework completed at previous institutions.

#### B. Admission Status

1. **"Prospective Student"** refers to an individual who has become a part of the College recruitment database who has been assigned an FCC student identification number.
2. **"Applicant"** refers to an individual who has an assigned FCC student identification number and who has submitted a College application for credit enrollment.

3. **“Registrant”** refers to an individual who has an assigned FCC student identification number, who has submitted a College application for credit enrollment or a student profile for continuing education, and who has registered for a course or courses.
  4. **“Student”** refers to an individual who is registered at the College, either full or part-time, in a credit or continuing education class or classes who has either paid or made arrangement for payment of tuition and/or fees.
  5. **“Enrolled Student”** refers to an individual who is registered at the College, either full or part-time, in a credit or continuing education class or classes, who has either paid or made arrangements for payment of tuition and/or fees, and whose participation in a class has been verified.
  6. **“Visiting Student”** refers to a student who is enrolled at another higher education institution who is taking courses at FCC to transfer back to their home institution.
- C. **Credit Students**
1. **“Full-time Student”** refers to a student who enrolls in coursework of twelve (12) credit hours or more during a semester.
  2. **“Part-time Student”** refers to a student who enrolls in coursework of less than twelve (12) credit hours during a semester.
- D. **Program Type**
1. **“Degree Programs”** refer to Career and Transfer programs that lead to an associate degree. Degree Programs are generally 60 credits, unless otherwise specified.
  2. **“Certificate Programs”** refer to a sequence of specific credit courses resulting in a formal award of completion of up to 36 credits.
  3. **“Letter of Recognition (LOR)”** refers to an award for the completion of a series of specific credit courses comprised of six to 11 credits.
  4. **“Industry-Based Certifications”** refers to an independent third-party credential that is industry-accepted and results from a process whereby an individual’s knowledge and/or skill in a particular area is verified against a set of pre-determined standards. Many credit and continuing education courses and programs prepare students for industry certifications that support or enable employment. Students who hold industry based certifications may be eligible to have credit awarded through a College articulation agreement.
  5. **“Workforce Development Programs”** refer to short term non-credit instruction for entering an occupation, gaining industry-based certification, or engaging in professional development.
  6. **“Personal Enrichment Programs”** refer to instructional programs that are designed to support lifelong learning and personal interest. Special programs are designed for people in retirement and for youth.
  7. **“Youth Programs”** refer to Kids on Campus (KOC) & Teens on Campus (TOC): These programs are open to any youth between ages four through 17 years of age. There are some prerequisites.
  8. **“Adult Basic Education Program”** refers to programs including basic reading and math skills, as well as High School completion programs for adults. High School completion students must have been officially withdrawn from the secondary school system. The High School Diploma credential is awarded by the State of Maryland for successful completion of the GED Test or the National External Diploma Program.
  9. **“English as a Second Language (ESL) Program”** refers to a program open to students who are 16 years old or older, who are non-native English speakers seeking to improve their language skills. There are three levels of ESL that include both credit and continuing education options.
    - a. **“Basic ESL”** refers to free classes for students who need to learn basic English for life and work.
    - b. **“Targeted ESL”** refers to fee-based classes for students who have intermediate or higher level English proficiency. Courses focus on specific English skill development, to include oral, reading, writing, and grammar. Courses are designed to transition students from basic English to higher level English.
    - c. **“Academic ESL”** refers to tuition-based classes for students with high-intermediate proficiency in English. Courses focus on developing academic English proficiency to prepare students for the rigor of degree programs and/or professional communication.
- E. **“Degree plan”** refers to the plan that is selected in consultation with an academic advisor, required for all new students seeking a degree. The degree plan does not include developmental coursework that may be part of the student’s academic pathway.
- F. **“Prior Learning Assessment”** refers to the evaluation of college-level or experience-based learning that an individual has achieved outside of the traditional classroom environment that can be used to demonstrate college-level learning for academic credit awards.
- G. **“College premises”** refers to buildings or grounds owned, leased, operated, controlled, supervised, or temporarily used by the College.
- H. **“Workdays”** refers to Monday through Friday and does not include weekends, holidays, scheduled breaks, or other days the College is closed.

### III. Enrollment Process for Credit Students

#### A. Requirements

To comply with the Maryland College and Career Readiness Act of 2013 and the College Academic Assessment and Placement Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduresdocuments/academic-assessment.aspx>), the College requires that:

- Upon entering the College, all students, unless otherwise exempted, are required to complete the prerequisite placement test(s) for any course(s) in which they intend to register. However, the College recommends that all mathematics, reading, writing, and skills placement tests be taken upon entering to support the development of the degree plan.
- Upon entering the College, all students who are seeking a degree, must file a degree plan that is developed in consultation with an academic advisor.
- Upon reaching 24 credits, all students must have completed developmental courses and the first college-level English and Math courses required by their degree plan.

#### B. Enrollment Steps

1. **Application for Admission** – A complete application for admission is required for enrollment in credit courses. A student can apply by completing and submitting an application for admission either online via [www.frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>) or in-person. Applications for admission are accepted year round.
2. **Residency** – A student’s residency for tuition purposes is determined at the time they apply to the College. The burden of proof of residency is to be upon the student, and they will be required to certify by signature to the accuracy of the information

provided on the College application (see Residency Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/residency.aspx>)).

3. **Official Documentation** – A student may need to submit a copy of their high school and/or college transcript(s), ACT and/or SAT scores, Advanced Placement score report, military transcripts, CLEP transcript, International Baccalaureate (IB), Partnership for Assessment of Readiness for College and Careers (PARCC) scores, DSST (formerly Dantes) transcript, Foreign Credential Evaluation (NACES approved), transcripts from American Council on Education (ACE) recognized organizations to receive credit, and/or any other prior learning documents.
4. **Placement Assessment** – Unless otherwise exempted, upon entering the College, all new students are required to complete the prerequisite placement test(s) for any course(s) in which they intend to register. A student who does not achieve the required assessment scores for reading, writing, or mathematics must successfully complete appropriate developmental coursework prior to entering the specific curriculum.
5. **Academic Advising Session** – A student is required to consult with an academic advisor to assess any developmental requirements, select a degree plan, select courses for registration, and establish the pathway to their academic goal(s).
6. **myFCC E-mail Account Activation** – A student will need to activate their myFCC E-mail account by going to myFCC.
7. **Registration for Courses** – A student will need to complete the registration process by registering for a course(s) in person or online through myFCC.
8. **Financial Aid** – If seeking financial aid, a student will need to complete the Federal Application for Student Aid (FAFSA) (<https://fafsa.gov/>) for the school year they plan to attend and list FCC in Step 6 of the FAFSA (School Code 002071). Additional verification documents may be required.
9. **FCC Foundation Scholarships** – If seeking FCC Foundation scholarships, students will need to apply through the College online scholarship application system. (<https://frederick.academicworks.com/>)
10. **Payment Process** – A student is required to make payment arrangements and/or pay their bill within the established timeframe, in order to avoid being dropped from a course or courses for non-payment. A student who is receiving financial aid will have their aid credited to their account, but will be responsible for paying any remaining charges.
11. **Attendance in Class** – A student must attend class to ensure that full academic instruction is received. Students not attending class may lose their federal financial aid, scholarship, VA benefits, and/or visa status.

The College reserves the right to refuse readmission to a former student who has unsettled financial obligations at the College or who has not complied with previous disciplinary requirements. A prospective student who has registered previously in only continuing education courses must apply as a “New Student” in order to participate in credit courses. A dual enrollment student previously enrolled in a course(s) while in high school, who is planning to attend FCC after high school graduation, must re-apply as a “New Student” in order to participate in credit courses.

## IV. Enrollment Process for Continuing Education Students

### A. Requirements

To be a Continuing Education Student at FCC, students must complete either a Continuing Education Student Profile using Lumens or a Continuing Education Registration form. Becoming a Continuing Education student does not admit the student for credit instruction. Students must follow the Enrollment Process for Credit Students in Section III.

Some programs are designed for specific age ranges and have restricted access for registration based on birth date.

Some courses require prerequisites or pre-testing, and are noted in the Continuing Education schedule of classes.

### B. Enrollment Steps

1. **Open Enrollment Courses** – Most courses are eligible for online registration through the Lumens online registration system ([www.frederick.edu/QuickEnroll](http://www.frederick.edu/QuickEnroll)) (<http://www.frederick.edu/QuickEnroll/>). Students may also register in person to submit the registration form needed. Payment for tuition and fees is due at the time of registration. If a student is receiving a scholarship or the class is paid by a third party, supporting documents must be included when registering. Courses which require prerequisites or pre-testing are noted in the Continuing Education schedule of classes. These courses or programs require that a student submit the documents needed for registration in person. ESL students must complete an English assessment and may need to attend an orientation to be placed in the appropriate level of class. ESL students should see Section V.C. of this Policy and Procedures for complete instructions.
2. **Contract Courses** – Students receiving instruction under contract with an employer or other external partner will be enrolled as Continuing Education students. Students will be required to complete an online registration through Lumens or complete a registration form prior to the beginning of class. Some contract courses may require prerequisites. There are no fees or tuition charged to the student for contract courses.
3. **Adult Education** – Students must attend an orientation to gain access to Adult Education. Orientation dates are published for each term in the CE schedule of classes – Assessments are required to determine appropriate class placement. Once class placement is determined, students must complete a CE Registration form to become a CE student registered in a course. All courses are free to the student, except for the National External Diploma Program.

## V. Additional Requirements for Specific Students

### A. Transfer Students

A student may be enrolled with advanced standing. The transfer of credits will be considered on the basis of applicability to the student's chosen program of study.

FCC adheres to the general education and transfer policies of the Maryland Higher Education Commission. For a student transferring from a University of Maryland System college or university, all applicable general education coursework with a grade of “D” or higher will be accepted in transfer, with the exception of ENGL 101 English Composition which requires a grade of “C” or better. For non-general education coursework, grades of “D” will be accepted only if the calculated grade point average for the entire block of non-general education courses is 2.00 or higher. For a student transferring from outside the University of Maryland system, grades of “D” will be

accepted only if the cumulative grade point average is 2.00 or higher, with the exception of ENGL 101 English Composition which requires a grade of "C" or better. Please note that some FCC programs of study require a grade of "C" or better in all (or some) courses.

The following sources may be considered as accepted forms of transfer:

1. college-level coursework at accredited institutions as listed in "Accredited Institutions of Postsecondary Education" published by the American Council on Education or an institution accredited by an agency recognized by the U.S. Department of Education;
2. credential assessment or credit by examination (e.g., CLEP, Advanced Placement, DSST (formerly Dantes), International Baccalaureate);
3. credit received in an evaluation of military education and/or training;
4. credit received in an evaluation of educational programs at non-collegiate organizations approved by the American Council on Education;
5. credit received through high school or other articulation agreements.

To be considered for advanced standing, a student must:

1. Complete the College admissions procedures.
2. Arrange for the previous institution(s) attended to send an official transcript or provide an official copy in an unopened, sealed envelope (see <http://www.frederick.edu/credit-admissions/incoming-transfer-students.aspx>).
3. Arrange an appointment with a College academic advisor to plan their program of study.
4. Complete at least 25% of degree, certificate, or letter of recognition credits at FCC.

All transcripts received are the property of the College and cannot be released to the student. Transcripts will not be duplicated, returned to the applicant, or forwarded to any other college, university, individual, or agency. A student who experiences extreme hardship in obtaining official copies of their transcripts may petition the College Registrar for assistance by completing a third-party release form. These documents will be available only to an individual involved in the admissions and/or advising process. Transfer students with no placement test exemptions or official transcripts will take the standard entry assessments.

International students considering transfer must follow the procedures for Non-immigrant (F-1) Students and Students with Other Visas, in addition to the requirements set forth in this section.

#### B. Students Seeking Credit for Prior Learning

Prior Learning Assessment (PLA) is an evaluation of experience-based learning achieved outside of traditional classroom environment that can be used to demonstrate college-level learning for academic credit awards to include (not limited to) work experience, workplace training, professional licensure and certifications, military training and service, volunteer activities, life experiences, credits earned by standardized testing, and volunteering and community service activities.

Students who participate in the Prior Learning Assessment program save time and money and avoid having to complete courses already mastered, completing their education goals at a higher rate. Credit

for Prior Learning is not awarded for experience alone, but for a combination of experience and college-level learning.

PLA consists of several pathways designed to allow students to have their college level learning completely assessed. FCC offers seven (7) paths for students to earn prior learning credit, including portfolio assessment, institutional departmental exams, certificate and licensure evaluation, credit by examination and college level examination program (CLEP)/DSST (formerly DANTES Subject Standardized Tests)/international baccalaureate (IB)/advanced placement (AP), American Council on Education (ACE), national college credit recommendation service (NCCRS), and military training and service.

For students to be eligible to earn prior learning credit, the student must be an FCC student and declare a major in a degree or certificate program.

#### PLA Guidelines:

1. Students may earn up to 75% required for a program of study through all Prior Learning Assessments pathways.
2. Students must earn at least 25% of the credits required for a program at FCC.
3. A maximum of 15 credits can be earned through 'Portfolio Assessment' and 'Institutional Department Exams.'

#### C. Non-immigrant (F-1) Students

The College is authorized under federal law to consider applications for enrollment of non-immigrant alien students in the F-1 visa status. A prospective student must meet academic and College admission requirements, and the requirements for the certificate of eligibility (I-20 Form) prior to applying for the F-1 Student Visa. International students studying at FCC must pursue a full course of study of 12 credits per fall and spring semester toward an associate degree. F-1 visa students are not allowed to enroll in Pre-Health Programs, Bioprocessing Technology, Emergency Management, or English as a Second Language. An F-1 visa student must:

1. Submit a completed application for admission to FCC with a local (Maryland) sponsor's address and student's address from their home country.
2. Submit an official high school (secondary school) transcript evaluation in English. The accepted evaluator is World Education Services ([www.wes.org](http://www.wes.org)) or any member of the National Collegiate Evaluation Services (NACES).
3. Submit I-134 Affidavit of Support - a statement of financial resources including the amount and source of support for the prospective student. The College will not provide Foundation scholarship assistance to F-1 visa students. The estimated minimum cost of tuition, fees, books, health, and living expenses per year is \$25,000. Students attending the College on the F-1 Visa will be classified as out-of-state residents for tuition purposes while at FCC.
4. Submit the Test of English as a Foreign Language (TOEFL) scores directly to the Admissions Office. Minimum acceptable score is 500 on the paper-based test, 173 on the computer-based test or 61 on the Internet-based test (IBT).
5. Submit a copy of current passport.
6. Submit all application materials and required documents by June 1 for the subsequent fall semester and October 1 for the subsequent spring semester.  
Once the student has been approved for the F-1 Visa, and after they have met with the College Designated School Official (DSO)

to report F-1 Visa approval, they must complete the College placement tests as appropriate.

#### D. Students with Other Visas

International students with other types of visas may also be eligible to attend the College. The student must present proof of immigration status and type and meet other requirements (see the College Residency Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduresdocuments/residency.aspx>)).

#### E. English as a Second Language (ESL) Students

##### **An ESL student must:**

1. Complete and submit an application (<https://www.frederick.edu/admissions/credit-application.aspx>) for admission.
2. Take the Accuplacer ESL exam in the Testing Center (allow three hours for testing) and obtain a copy of the Accuplacer ESL exam results.
3. Obtain minimum placement scores on the Accuplacer ESL exam to enroll in Academic ESL courses. Students whose scores fall below the established minimum will be limited to enrollment in Basic or Targeted ESL Continuing Education courses until such time that they are able to demonstrate proficiency required for enrollment in Academic ESL courses.
  - a. If the minimum score for Academic placement is achieved, students should arrange to meet with an academic advisor. Continue with the Admissions Policy and Procedures Section III.B.5 to complete the registration process.
  - b. If the minimum score for Academic ESL placement has not been met, students must arrange to meet with the ESL program manager. The ESL program manager will assist students in determining which Continuing Education ESL program is appropriate for them and help them complete the registration process.  
*Note:* The ESL program manager can assist credit and continuing education students with academic decision-making at any time. If a student is not sure which courses to take or has questions about their study plan, meeting with the ESL program manager is recommended.
4. A student is required to make payment arrangements and/or pay their bill within the established timeframe.

#### F. Registered Sex Offender

FCC requires registered sex offenders (RSOs) to self-disclose their status and receive approval from the College to register for courses by following the steps articulated below in this procedure. In accordance with Maryland law, RSOs are required to register with the designated law enforcement agency in the jurisdiction where school enrollment is sought. If an RSO changes jurisdictions, they must re-register in the new jurisdiction's designated law enforcement agency and identify the address of the new school they plan to attend. The College will review the Maryland Sex Offender Registry on a regular basis to identify students who do not self-disclose and suspend any registration until the conditions of this procedure are met. Per the FCC Admissions Policy, admission to the College may be denied or revoked for those persons whom the College considers to be a potential danger to the safety, security, and educational environment of the College. Such decisions will be made on a case-by-case basis with individuals being afforded notification and explanation of the decision and an opportunity to respond.

Before an RSO is allowed to come on College premises, they are required to request and obtain permission to be on College premises by scheduling a meeting with the Vice President for Learning Support

or the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development, or their designee, to disclose their status.

1. Prior to completing the registration process, the prospective student must schedule a meeting and request permission to register each semester.
2. The Vice President for Learning Support or the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development, or their designee will discuss the procedure and assess the conviction(s) and circumstances which led to the individual being an RSO.
3. The Vice President for Learning Support or the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development, or their designee will contact the assigned probation officer, when applicable, and the jurisdiction's Sex Offender Registrar to update the individual's status related to any violations.
4. The Vice President for Learning Support or the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development, or their designee may research criminal records, information from other jurisdiction(s), or information from prior schools attended pertaining to the RSO.
5. The Vice President for Learning Support or the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development, or their designee will render a decision and notify the RSO of that decision in writing within five workdays of the initial meeting. An RSO that is authorized to maintain their enrollment will be required to sign a "Conditions of Admission and Enrollment" agreement, and present the letter of admission approval to their Sex Offender Registrar and Probation Officer, when applicable. In such cases where admission is denied or revoked, the written response to the RSO will afford notification, give an explanation of the decision, and provide an opportunity to respond.  
The Maryland Department of Public Safety and Correctional Services maintain the Maryland Sex Offender Registry, which provides information about RSOs to the public. The Registry is located on the web at <http://www.dpscs.state.md.us/>.

## VI. Selective Admission Programs

Admittance into selective admission programs is on a competitive basis, and there are program-specific entrance requirements beyond those required for admission to the College. Many of the courses are open only to students officially accepted into the Program. Admission to FCC does not guarantee entry into a Selective Admission program. Please refer to individual admissions standards to assess competitiveness of the application process.

The Health Sciences programs listed below have limited enrollment capacity and rigorous academic standards. All applicants must meet the following additional requirements.

- Be eligible for admission to FCC (submit separate FCC admission application).
- Meet prerequisite requirements for the specific program.
- Meet minimum grade point average requirement.
- Meet all legal requirements and/or standards imposed by accrediting bodies, recognized professional societies, and by the institution or agency where the clinical practice training is to occur (e.g., drug screening, background check, and fingerprinting).

- Understand that participation in certain clinical courses (e.g., those courses involving hospital practice) may require the passing of appropriate health examinations (e.g., TB test).

#### A. Associate Degree Nursing, Practical Nursing Certificate, and Transition-to-ADN

Enrollment in the associate degree nursing (ADN) program, the practical nursing certificate (LPN) program, and Transition-to-ADN program is limited by accreditation guidelines. To be considered for admission, a student must:

1. Complete and submit a College application for admission and provide proof of residency.
2. Complete and submit a separate application for the ADN, LPN, or Transition-to-ADN program to the Department of Health Sciences Nursing. The application deadline for the daytime ADN and LPN programs is February 1st preceding the expected fall semester entrance. The application for the evening and weekend ADN program is September 15th prior to the expected spring semester entrance. The application deadline for the Transition-to-ADN program is May 1st preceding the expected fall semester entrance. Applications are available online at [www.frederick.edu/nursing](http://www.frederick.edu/nursing) (<http://www.frederick.edu/nursing/>). Residents of Frederick County are given priority consideration for admission.
3. Register and complete the Test of Essential Academic Skills (ATI TEAS) before the application deadline. Information on ATI TEAS may be found at [www.frederick.edu/nursing](http://www.frederick.edu/nursing) (<http://www.frederick.edu/nursing/>).
4. Submit official transcripts from all previously attended colleges and universities to Registration and Records by the deadline.
5. Complete FCC assessment testing unless otherwise exempted.
6. Develop and file a degree plan in consultation with an academic advisor.

To be included in the pool of applicants for admission to the clinical portion of the nursing program (ADN, LPN, and Transition-to-ADN), students must complete or have transfer credit for required prerequisite coursework, and BSCI 201 Anatomy and Physiology I, BSCI 202 Anatomy and Physiology II, and BSCI 223 Microbiology for Allied Health/BSCI 263 Elements of Microbiology by the end of the semester in which they are applying, and send all official college transcripts from other colleges and universities to Registration and Records by the application deadline. With their application, applicants must submit a qualifying ATI TEAS score that is no older than 2 years at the application deadline.

A point system is used to select candidates for admission to the clinical portion of FCC nursing programs (ADN, LPN, and Transition-to-ADN). Each program has its own separate pool of applicants, and students may apply only to one program in any given semester. Points are assigned for non-clinical courses completed, residency, cumulative grade point average (GPA), and grades in the prerequisite science courses. Any course(s) being repeated must be completed by the end of the January session in order to count in the GPA calculation for the day option or summer session for the evening/weekend option. If a student is completing a prerequisite science course during the application semester, the midterm course grade will be applied to the point scale (including transfer courses). Students will be allowed to repeat any prerequisite science course one time only, including withdrawals, audits, and transfer credits, within five (5) years of the application deadline. \*Special circumstances may be considered to exclude those science prerequisites from the repeat limit that they were enrolled in during the spring 2020 semester.

All science prerequisites must be completed within five (5) years of application deadline.

The students with the highest point total will be conditionally accepted into the ADN, LPN, or Transition-to-ADN program. Students with equal point totals will be ordered by GPA from highest to lowest. If an accepted student declines their seat in the program or fails to meet the spring or summer course requirements, the next eligible student with the highest score is offered admission to the program.

Once grades have been posted in May for day ADN or the Transition-to-ADN option and January for evening and weekend ADN option, transcripts for those accepted conditionally will again be evaluated. Any student who dropped a course or failed to earn a "C" or better will be re-evaluated. If, after re-evaluation, a student's new point total falls below the cut-off score for the ADN program, they will not be eligible for admittance into the program and the next qualified candidate will be admitted.

Students not gaining admittance to the ADN program and wishing to be considered for the next entering class must re-apply and will compete within the general applicant pool. A student who fails NURS 101 Introduction to Clinical Nursing and wants to return to the program must re-apply and will compete within the general applicant pool.

#### B. Respiratory Care (RC)

To be considered for admission into the Respiratory Care program, a student must:

1. Complete and submit a College application for admission and provide proof of residency.
2. Submit a Respiratory Care application to the Department of Health Sciences Respiratory Care Program by June 1.
3. Complete all required prerequisite coursework prior to applying to the program.
4. Achieve a "C" or higher in "all" prerequisite courses applied toward the RC program requirements. The prerequisite courses are: ENGL 101 English Composition, PSYC 101 General Psychology, BSCI 201 Anatomy and Physiology I, BSCI 202 Anatomy and Physiology II, BSCI 223 Microbiology for Allied Health, COMM 105 Small Group Communication, PHED/NUTR Elective, and MATH 120 Statistics or higher.
5. Complete BSCI 201 Anatomy and Physiology I with a "C" or better prior to applying to the program by June 1.
6. Be in good academic standing (see the Academic Standards Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/academic-standards.aspx>)).
7. Have a minimum GPA of 2.0. [Note, the minimum GPA of 2.0 may not be competitive based on the pool of applicants].
8. Have all official transcripts from other colleges/universities sent to Registration and Records by June 1.
9. Apply for admission to FCC.
10. Develop and file a degree plan in consultation with an academic advisor.

Points will be assigned only to those students who have returned the "Student Application for the Respiratory Care Clinical Class" and met the above criteria. The point value for non-clinical courses completed and residency are shown on the "Criteria for Admission to the Respiratory Care Program" sheet.

The students with the highest point total will be accepted conditionally into the clinical portion of the program and will be informed of their status by June 30. Students with equal point totals will be ordered by GPA from highest to lowest (GPA calculated only from courses listed on "criteria for admissions"). If an accepted student declines their seat in the program, the next eligible student with the highest score is offered admission to the program.

### C. Surgical Technology (ST)

Enrollment in the Surgical Technology program is limited to 20 students in each of two starting dates, fall and spring. To be considered for admission into the Surgical Technology program, a student must:

1. Complete and submit an FCC application for admission and submit proof of residency if required.
2. Complete and submit a Surgical Technology application to the Department of Health Sciences Surgical Technology Program. List surgical technology as your major. This application may be completed online. All applications will be reviewed and seats will be offered according to the point scale and application date. Although applications will be reviewed at any time, first consideration is given to students who submit an application by the first consideration date for the fall or spring classes. Refer to the online application (<http://www.frederick.edu/degrees-certificates/surgical-technology.aspx>).
3. Provide evidence of minimum skill levels in the areas of reading, writing, math, and allied health science for an application to be considered. Students may meet these requirements by taking the placement assessments and meeting the minimum skill levels or by taking appropriate developmental coursework in these subjects.
4. Achieve a "C" or higher in all prerequisite courses and any other course a student plans to apply toward the ST program requirements. The minimum prerequisite courses are: BSCI 201 Anatomy and Physiology I, BSCI 202 Anatomy and Physiology II, medical terminology, and a communications course.

A point system is used to determine selection to the program. Points will be assigned only to those students who have returned the Application for Admission to the Surgical Technology Class.

When there are more qualified applicants than there are seats in the program, those with the highest point totals will be offered first consideration. Other qualified applicants will be offered seats as they become available.

Participation in the job shadowing experience is highly recommended. Those with documented job shadowing will be given priority. Refer to the online documents for this opportunity (<https://www.frederick.edu/degrees-certificates/downloads/jobshadowing.aspx>).

### D. ASL Interpreter Preparatory Program (IPP)

Enrollment in the associate of Arts and Science in ASL Interpreter Preparatory Program and certificate is limited to those accepted into the program (max of 16 students per semester). To be considered for admission, a student must:

1. Complete and submit a College application for admission and provide proof of residency.
2. Complete and submit a separate application for the IPP to the ASL/IPP Program Manager by August 1st (for Fall admission)

and January 1st (for Spring admission). Applications can be found at: <https://www.frederick.edu/programs/arts-humanities/sign-language-interpreter-preparatory-program.aspx>

3. Submit official transcripts from all previously attended colleges and universities, and other forms of prior learning to Registration and Records by the deadline.
4. Complete FCC assessment testing unless otherwise exempted.
5. Arrange for an appointment with the ASL/IPP Program Manager (required).

To be included in the pool of applicants for admission to the internship portion, students must complete all the required coursework with a 'B' or better by the end of the semester in which they are applying. All applications will be considered, but selection will be based on the application process, which includes a panel interview and skill assessment.

## VII. Special Admission Programs

The following programs have conditions which must be met in order for the individual applying for admission to be categorized and admitted to the credit courses and programs.

### A. Police Science Program

1. The Maryland State Police (MSP) Associate of Applied Science Degree in Police Science is presented to trooper candidates through a partnership between FCC and the MSP. This program has been created to assist MSP in its effort to develop a highly professional police force. The Police Science program for MSP is open to any trooper candidate employed by the Maryland Department of State Police and accepted into the MSP Academy. This program integrates general education coursework with major components of the criminal justice process learned while attending the MSP Academy.

All of the tuition, fees, and books are paid in full by the MSP. Veterans are eligible for VA benefits while enrolled in the Academy and during the time they take FCC general education courses.

2. The Associate of Applied Science Police Science Program available on-campus is open to students separate from the Maryland State Police program. To be considered for admission into the on-campus Police Science Program, a student must:
  - a. Be a sworn and currently employed Maryland law enforcement official who has graduated from a Maryland police academy that has been certified by the Maryland Police and Correctional Training Commissions (MPCTC) (or officials who have completed Comparative Compliance Training for Maryland).
  - b. Be enrolled in the Police Science Degree Program at FCC.
  - c. Present a current copy of their Certification and Training Standards Compliance Card from the MPCTC.

Retired law enforcement officials are not eligible.

Additional information about this program may be located at <http://mdsp.maryland.gov/Careers/Pages/StateTrooper.aspx>

### B. Honors College

Honors College is an enrichment program that can be incorporated into most transfer degree programs at FCC. All honors learning is designed to go deeper, broader, or more complex, and the program strives to

develop emerging scholars and leaders. Students who graduate from the Honors College, complete an honors independent study project, present at a conference, or earn service or leadership certificates and gain a competitive advantage when applying for admission to selective four-year colleges and transfer scholarships.

Students automatically qualify for the Honors College with the following test scores: SAT = 1100 overall (out of 1600) with at least 550 on verbal, or ACT = Reading 23+, or FCC placement exams = Honors level reading (268) and proficient college-level writing. Applicants with strong academic records (3.5 GPA) or faculty recommendations are encouraged to apply. We also offer an Open Campus membership for high school or home school students with a 3.5 GPA or higher. To apply, complete the Honors College Application (<https://www.frederick.edu/degrees-certificates/program-application-forms/honors-college-application.aspx>) in the Honors Office (H-245) and at <http://www.frederick.edu>, and submit as directed.

The final step to Honors College admission will be meeting with an Honors advisor to identify your goals and to develop your personal honors plan. Your honors plan can be updated any time. The Honors College also offers ACCE 110H as a first year- experience course to help students make the transition to college and honors learning. Second-year honors peer mentors are embedded in the course as another source of help and support. Any student whose grade point average drops below 3.0 GPA or violates FCC policy will no longer be in good standing with the program.

#### C. Advanced Credit/Dual Enrollment Programs

Students 16 years of age and older may enroll in FCC courses while concurrently enrolled in high school or home schooled. Students dually enrolled are subject to the same assessment and placement policies and procedures as other students. All Open Campus and High School Based students must also meet with a guidance counselor at their high school prior to registration. Dual Enrollment courses can be used for high school graduation credit as well as college credit if granted permission to do so by the school system. Students must contact their high school guidance office for further information.

#### D. Gifted and Talented Students Under 16 Years of Age

The Gifted and Talented program provides an opportunity for students under age 16 who have been identified as having exceptional academic or fine arts talent to enroll in selected FCC courses. Students must be at least 12 years of age and have completed the seventh grade or equivalent education. Students must demonstrate exceptional academic or fine arts talent, and be deemed able to adhere to College standards of behavior. In addition to submitting the standard application for admission, students must meet with an academic advisor and submit documentation to enable an appropriate admission decision, which may include, but not be limited to, an official high school transcript, letters of recommendation, samples of student work, and evidence of meeting criteria of exceptional academic or fine arts talent as described below.

##### 1. Exceptional Academic Talent

Students must meet the appropriate placement score or exemption for the courses in which they intend to register as outlined in the Academic Assessment and Placement Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduresdocuments/academic-assessment.aspx>).

##### 2. Exceptional Fine Arts Talent

In lieu of meeting the criteria for exceptional academic talent, students applying for courses in the fine arts (studio art, studio music, theater performance) may present a recommendation from a professionally qualified individual or entity as having outstanding abilities which qualify them for advanced study in that area. The College reserves the right to determine whether or not it will recognize an individual or professional entity as meeting this criterion. Additionally, the student may be asked to audition or to present a portfolio of work.

Students must submit an application for admission and complete an interview with an academic advisor prior to completing the admissions process.

Students interested in taking courses other than fine arts must meet the appropriate placement score or exemption for the courses in which they intend to register as outlined in the College Academic Assessment and Placement Policy and Procedures. Students enrolled under the Gifted and Talented program will be limited to a maximum of two courses per semester, with continuance at the College based upon satisfactory performance in the previous semester.

Admissions decisions for students applying for the fine arts courses on the basis of a professional recommendation will be made in conjunction with the program manager or department chair for that area. Students approved for admission under this criterion may only enroll in those courses related to their particular talent.

Failure to comply with any portion of this process will result in denial of admission. All required documents must be submitted, and all evaluation results in place, no less than two weeks prior to the start of the semester for which the student seeks enrollment.

#### E. Home School Students

Students who are home schooled and are 16 or older follow the Enrollment Process of this Policy and Procedures. Home schooled students under the age of 16 must follow the Special Admission procedures for Gifted and Talented students unless enrolling in a Continuing Education Home School Enrichment course designed for specific age groups.

#### F. Students without a High School Diploma

Persons without a high school diploma who are 18 years old or older, and who demonstrate college readiness through placement testing are eligible for admission and to register for credit and continuing education courses.

Students without a high school diploma have limited access to financial aid. Students should meet with a financial aid counselor or advisor to get information about financial aid. Students should also visit the Office of Adult Education to get information about how to earn a high school diploma while concurrently studying at FCC.

## VIII. Mid-Maryland Allied Healthcare Education Consortium

The Mid-Maryland Allied Healthcare Education Consortium (MMAHEC) is a state-approved consortium designed to increase the number of allied health professionals in critical shortage areas. The agreement is to share specific allied health programs between FCC, Howard Community College, and Carroll Community College. Regardless of county of residence, students completing credit programs in the MMAHEC must apply to and be registered in the college granting the program's certificate or degree. Students must be residents of Howard, Carroll, or Frederick counties to be eligible for these programs. Applications for MMAHEC programs are available on the respective consortium school websites during application periods. Applicants to these programs must meet with

an allied health advisor at their home school to submit their application materials. Programs offered through the MMAHEC require that the student apply for and register at the institution that grants the degree or certificate.

Students will need to take the placement tests at their home institution to determine eligibility for all courses and prerequisites for courses. Developmental coursework may be required and must be completed, in full, at the home institution. When prerequisite requirements are complete and students are considered ready for clinical or program courses, students will need to apply to the sponsoring institution directly.

*Revised 7/1/2020*

The College's official version of the Admissions Policy and Procedures is located on frederick.edu (<https://frederick.edu/jobs-hr/policies-and-procedures.aspx>) and may be revised annually.

## Academic Assessment and Placement Policy and Procedures

Check the college website, frederick.edu (<https://www.frederick.edu/current-students/required-communications/student-policies-procedures.aspx>), for the most up-to-date student policies and procedures.

### I. Philosophy and Scope

Frederick Community College ("FCC" or the "College") is committed to supporting student success by ensuring appropriate course placement using a series of computer-based assessment tests that measure individuals' reading, writing, and math skills. Minimum placement scores, known as cut scores, are established through statewide agreements. These scores are used to determine college-readiness and placement into specific courses, including developmental, English language acquisition, and college-level courses. Credit courses have prerequisites that include expectations of college-readiness as reflected in the placement scores and/or other pre-established expectations. This policy and procedures outlines placement test requirements, guidelines for placement, and exemptions and exceptions to required placement testing.

### II. Definitions for the Purpose of this Policy and Procedures

- A. **"Certificate-Seeking"** refers to a category of individuals who have declared an intent to follow a sequence of specific credit courses resulting in a formal award of completion of up to 36 credits.
- B. **"Courses of Interest"** refers to a category of individuals who seek to take courses listed as credit in the FCC Academic Catalog for personal knowledge or professional development as opposed to the fulfillment of FCC program requirements.
- C. **"Degree-Seeking"** refers to a category of individuals who have declared an intent to follow a prescribed curriculum in a career or transfer program that leads to an associate degree, which is generally sixty (60) credits, unless otherwise specified.
- D. **"Developmental Courses"** refers to courses that prepare students for college-level coursework in reading, writing, English for Speakers of Other Languages (ESOL), and math. Developmental education may include multiple course sequences with students progressing as skills are developed. Students are assigned to developmental courses based on their placement test scores.

- E. **"Enrollment"** refers to the status achieved when an individual has registered for classes and has either paid or made arrangements for payment of tuition and/or fees.
- F. **"Full-time Enrollment"** refers to a student enrolled in twelve (12) or more credits during the fall or spring semesters, or in a total of twelve (12) credit hours cumulatively for the summer session, not inclusive of audited courses.
- G. **"Continuously Enrolled"** refers to the requirement that a student be enrolled continuously with breaks no longer than four (4) consecutive full academic semesters (fall or spring semesters).
- H. **"Readmitted Students"** refers to individuals who have not attended FCC within the past two years and have reapplied for admission to the College.
- I. **"Transfer student"** refers to an individual who has attended another institution of higher learning after high school graduation or equivalency, and who may seek to receive credit for prior college coursework.
- J. **"Prerequisites"** refers to expectations that must be met before enrollment in a course is allowed.

### III. Responsible Senior Leader and Responsible Office

Provost/Executive Vice President of Academic Affairs, Continuing Education, and Workforce Development

### IV. Entities Affected by this Policy and Procedures

FCC currently enrolled and prospective students  
FCC faculty, staff, and administrators

### V. Placement Testing Requirements

- A. After applying to the College, placement tests are required for:
  1. Individuals who are first-time college students who are seeking a degree or certificate, whether they enroll full-time or part-time.
  2. Individuals planning to take their first English or mathematics course.
  3. Currently enrolled students seeking a degree/certificate, whether enrolled full-time or part-time, who have not been tested in the past or whose placement scores and/or exemptions have expired.
  4. Transfer or readmitted individuals who have not completed a college-level math and/or English course.
  5. Individuals who are designated as Courses of Interest students and wish to enroll in courses with prerequisites of reading, writing, ESOL, or mathematics.
  6. Individuals who change their designation from Courses of Interest to certificate- or degree-seeking.
  7. Individuals who are registering for non-credit courses with prerequisites of reading, writing, ESOL, or mathematics that are provided through contract training or offered in the Continuing Education and Workforce Development (CEWD) course schedule.
- B. Upon completion of all required placement tests, individuals are required to consult with an advisor to develop a degree, certificate, or appropriate plan for completion, including course selection. Individuals will choose courses based on their placement scores and their individual career and college goals.

- C. Placement tests are not required for individuals as noted under Section V “Exceptions and Exemptions to Required Placement Testing.”

## VI. Placement Guidelines

- A. Unless otherwise indicated, placement scores are determined using Accuplacer academic assessments.
- B. Placement scores will be valid for two years after the date of taking the placement tests.
- C. Minimum cut scores have been determined for college-readiness in reading, writing, and mathematics.
- D. Non-native English speakers and some world English speakers will take the Accuplacer ESL test to determine reading and writing placement scores.
- E. Individuals with documented disabilities as verified by the Services for Students with Disabilities Office will receive reasonable accommodations while completing the required placement tests.
- F. Individuals are permitted to retest once per Accuplacer assessment, no sooner than twenty-four (24) hours after the initial assessment.
- G. Students who are continuously enrolled will not be permitted to retest once they have started attending developmental or English language acquisition course(s).
- H. Readmitted students must either retest or complete the developmental or English language acquisition course(s) as stipulated in the current FCC Academic Catalog.
- I. Individuals who demonstrate college-readiness as stipulated in Section V “Exceptions and Exemptions to Required Placement Testing” will be eligible to enroll in the appropriate credit-level courses according to their specific college-readiness scores.

## VII. Exceptions and Exemptions to Required Placement Testing

- A. Individuals transferring from an accredited U.S. institution of higher education who present unofficial and/or official transcripts indicating successful completion (cumulative 2.00 GPA or higher) of the equivalent of at least twelve (12) college credits will be exempted from the reading placement test, if six (6) credits are general education courses.
- B. Individuals will be exempted from the reading and writing placement tests if they provide evidence of successfully completing one or more of the following:
1. The equivalent of FCC course ENGL 101 English Composition or the first college-level English composition course at an accredited U.S. institution or credit through DANTES Subject Standard Test (DSST), or College-Level Examination Program (CLEP).
  2. The Advanced Placement (AP) test with a score of 3 or higher in English Language and Composition or English Literature and Composition. AP test scores are valid for five years from the test date.
  3. The International Baccalaureate (IB) full diploma or exams with a grade of 4 or above in one or more of the following exams: Language A Literature SL or HL, and/or Language A: Language & Literature SL or HL. IB test scores are valid for five years from the test date.
  4. English 10 or 11 PARCC/MCAP score of Level 4 or 5. This score is valid for one year after an individual's date of high school graduation.
5. The GED<sup>®</sup> Reasoning Through Language Arts test with a score of 165 or higher. GED<sup>®</sup> scores are valid for one year from the test date.
- C. Individuals will be exempted from the math placement tests if they provide evidence of successfully completing one or more of the following:
1. A general education math course, at the college level, at an accredited U.S. institution or credit through DSST or CLEP.
  2. The Advanced Placement (AP) test with a score of 3 or higher in Calculus AB, Calculus BC, or Statistics. AP test scores are valid for five years from the test date.
  3. The International Baccalaureate (IB) exams with a grade of 4 or above on one or more of the following exams: Mathematical Studies, Mathematics SL or HL and/or Further Math. IB test scores are valid for five years from the test date.
  4. Algebra II or Geometry PARCC/MCAP score of Level 4 or 5. This score is valid for one year after an individual's date of high school graduation.
  5. The GED<sup>®</sup> Mathematical Reasoning test with a score of 165 or higher. GED<sup>®</sup> scores are valid for one year from the test date.
- D. Individuals from Frederick County Public Schools (FCPS) who successfully completed the following math courses are exempt from taking the math placement tests. This exemption is valid for one year after the individual's date of high school graduation.
1. Algebra II or Advanced Algebra with Trigonometry with an A or B completed within the past two years are eligible to enroll in an appropriate college-level, credit-bearing math course (with the exception of pre-calculus or higher).
  2. Intermediate Transitional Algebra with an A or B and earn the designated score on an FCC-approved college-readiness exam are eligible to enroll in a college-level, non-STEM, credit-bearing math course.
  3. Pre-Calculus or higher level math course with an A, B, or C are eligible to enroll in the equivalent college-level credit bearing course.
  4. Designated transition math modules and earn the designated score on an FCC-approved college-readiness exam are eligible to enroll in a college-level, non-STEM, credit-bearing math course.
- E. Individuals from FCPS who successfully completed English 12 with a reading comprehension Lexile score of 1050 or higher on the *HMH Reading Inventory*, 80% or better on *Vocabulary in Context* assessments, 80% or better on the *Performance Product Portfolio*, and earn a final grade of A or B will be exempted from the reading and writing placement tests. They will be deemed college-ready in reading and writing and will be eligible to enroll in ENGL 101 English Composition. This exemption is valid for one year after the individual's date of high school graduation.
- F. Individuals who have provided a copy of their SAT/ACT scores that meet the exemption criteria set by statewide agreements will be exempted from individual placement tests. SAT and ACT scores are valid for five years from the test date.
1. Individuals with an SAT Mathematics score of 500 or higher when taken before 8/1/17 or 530 or higher when taken after 8/1/17 are exempted from math placement testing.
  2. Individuals with an ACT Mathematics score of 21 or higher are exempted from math placement testing.
  3. Individuals with an SAT Critical Reading score of 500 or higher when taken before 8/1/17 or an Evidence-based Reading &

Writing score of 480 or higher when taken after 8/1/17 are exempted from reading and writing placement testing.

4. Individuals with an average ACT score of 21 or higher on the English & Reading Tests are exempted from reading and writing placement testing.
- G. Individuals who provide an official copy of the TOEFL (Test of English as a Foreign Language) score transcript and who score a 575 or higher on the paper-based test, a 233 or higher on the computer-based test, or a score of 90 or higher on the internet-based test are exempted from the reading, writing, and ESL placement tests. TOEFL scores are valid for two years from the test date.
- H. Individuals who provide a copy of their official Accuplacer or alternative placement test score(s), and meet the FCC placement criteria that exempts them from developmental reading, writing, and/or mathematics, will also be exempt from the corresponding FCC placement tests. These scores are valid for two years from the test date. The Associate Vice President for the Center for Teaching and Learning or their designee will evaluate the scores and assign course placement(s) based on FCC standards.
- I. Individuals who provide an unofficial transcript indicating satisfactory completion (at a C or better) of the highest-level developmental course work in reading, writing, and/or mathematics at another Maryland community college or University System of Maryland college/university are exempted from corresponding placement tests. Reading and writing placement exemptions do not apply to ESL course work.
- J. Visiting students from other institutions of higher learning who present a "Permission to Enroll" form will have prerequisites waived for the courses certified by the sending institutions. No placement exemption will be entered.
- K. Individuals who have provided an official transcript indicating they have been awarded an associate degree or higher from an accredited U.S. institution will be exempted from placement testing.
- L. Students who have successfully completed an FCC-approved academic intervention will be permitted one additional retest for a total of three placement test attempts, unless otherwise permitted by a specific FCC program.
- M. Individuals enrolled in FCPS or another school with a dual enrollment agreement with the College who wish to participate in dual enrollment may take the placement tests twice. Individuals may retake the placement test a third time within six months of high school graduation, with an unofficial transcript or report card indicating successful completion of grade 12 English and /or math, and verification of their placement testing records by the Testing Center.
- N. Individuals who have completed their junior year or graduated from a Maryland Public High School and present a transcript that verifies a cumulative, unweighted high school GPA of 3.0 or better will be exempt from taking the reading, writing, and mathematics placement testing. This measure does not apply to grades earned in English as a Second Language (ESL) courses. This GPA exemption will be valid for five years after the date of the individual's high school graduation.
- O. Individuals who are otherwise exempted by the Associate Vice President for the Center for Teaching and Learning or their designee.

## VIII. Related Policies and Procedures

Academic Standards (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduresdocuments/academic-standards.aspx>)

Revisions effective 7/1/2021

The College's official version of the **Academic Assessment and Placement Policy and Procedures** is located on [frederick.edu](https://frederick.edu/jobs-hr/policies-and-procedures.aspx) (<https://frederick.edu/jobs-hr/policies-and-procedures.aspx>) and may be revised annually.

## Online Education Transfer Institutions

### American Public University System

#### Accounting

This agreement facilitates the transfer of Frederick Community College students who graduate with the A.A.S. degree in Accounting to the Bachelor of Science degree program in Accounting at American Public University System (APUS). Students must have earned a grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

#### Business

This agreement facilitates the transfer of Frederick Community College students who graduate with the A.A. degree in Business Administration or the A.A.S. degree in Business Management to the Bachelor of Business Administration degree program at American Public University System (APUS). Students must have earned a grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

#### Communication

This agreement facilitates the transfer of Frederick Community College students who graduate with the Communication Area of Concentration within the A.A. in Arts & Humanities degree to the B.A. in Communication degree program at American Public University System (APUS). Students must have earned a grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

#### Emergency Management

This agreement facilitates the transfer of Frederick Community College students who graduate with the A.A.S. degree in Emergency Management to the Bachelor of Arts degree program in Emergency and Disaster Management at American Public University System (APUS). Students must have earned the grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Program Manager, Emergency Management, at 240.629.7952.

#### Health and Exercise Science

This agreement facilitates the transfer of Frederick Community College students who graduate with the A.A. degree in Health and Exercise Science to the Bachelor of Science degree program in Sports and Health Science at American Public University System (APUS). Students must have earned the grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

## History

This agreement facilitates the transfer of Frederick Community College students who graduate with the History Area of Concentration within the A.A. in Social Sciences degree to the Bachelor of Arts in History degree program at American Public University System (APUS). Students must have earned the grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Hospitality Management

This agreement facilitates the transfer of Frederick Community College students who graduate with the A.A.S. degree in Hospitality Management to the Bachelor of Arts in Hospitality Management degree program at American Public University System (APUS). Students must have earned the grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Nursing

This agreement facilitates the transfer of Frederick Community College students who graduate with the A.S. degree in Nursing to the Bachelor of Science degree program in Nursing at American Public University System (APUS). Students must have earned the grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Paralegal

This agreement facilitates the transfer of Frederick Community College students who graduate with the A.A.S. degree in Paralegal to the Bachelor of Science in Legal Studies degree program at American Public University System (APUS). Students must have earned the grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Psychology

This agreement facilitates the transfer of Frederick Community College students who graduate with the Psychology Area of Concentration within the A.A. in Social Sciences degree to the Bachelor of Arts in Psychology degree program at American Public University System (APUS). Students must have earned the grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Sociology

This agreement facilitates the transfer of Frederick Community College students who graduate with the Sociology Area of Concentration within the A.A. in Social Sciences degree to the Bachelor of Arts in Sociology degree program at American Public University System (APUS). Students must have earned the grade of "C" or higher in all courses set forth in the Degree Completion Plan included in this agreement. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Capella University

Upon successful completion of A.A., A.S. or A.A.S. degree requirements in specific programs at FCC, students will be provisionally accepted

into specific Capella upper division bachelor's programs under the following conditions: 2.000 GPA on a 4.000 scale; satisfy the General Education requirements as stated in the Capella University catalog and otherwise fulfill Capella's education requirements. FCC graduates, alumni, faculty and staff will receive a 10% tuition discount at Capella University. Students should contact Career and Academic Planning Services at 301.846.2471 for further information.

## Chamberlain College of Nursing

Frederick Community College (FCC) maintains an articulation agreement with Chamberlain College of Nursing to provide a seamless transfer for graduates with an Associate Degree in Nursing and RN licensure who wish to pursue their BSN online through Chamberlain College. For further information, contact Career and Academic Planning Services at 301.846.2471

## Drexel University Nursing

Frederick Community College and Drexel University have established a letter of understanding enabling students completing their Nursing A.S. program to smoothly transition to the RN-BSN program offered through the Drexel E-Learning institute. Students should contact Career and Academic Planning Services at 301.846.2471 for further information.

## Eastern Oregon University Fire Service Administration

Frederick Community College (FCC) maintains an articulation agreement with the Fire Service Administration at Eastern Oregon University to provide seamless transfer for graduates with A.A.S. in Fire Service Administration who wish to pursue their bachelor's degree in Fire Service Administration. For further information contact Career and Academic Planning Services at 301.846.2471.

## George Washington University School of Medicine and Health Sciences

Frederick Community College (FCC) maintains an articulation agreement with George Washington University School of Medicine and Health Sciences for students completing their Associates degree and wishing to transfer into one of the Bachelor of Health Science programs at George Washington. Students are guaranteed admission if they meet the criteria set forth in the agreement. For further information, contact Career and Academic Planning Services at 301.846.2471

## Kansas Wesleyan University

This agreement facilitates the transfer of Frederick Community College students who graduate with an Emergency Management Associate of Applied Science degree in the Track I program who wish to transition to Kansas Wesleyan University into the Bachelor of Science in Emergency Management. Frederick Community College students must graduate with at least a 2.000 GPA. For more information, contact Program Manager, Emergency Management, 240.629.7952.

## Northwestern State University of Louisiana Emergency Management

Frederick Community College (FCC) maintains an articulation agreement with Northwestern State University of Louisiana (NSU) for graduates of the Emergency Management Track I program at FCC who wish to transition into the B.S. in Unified Public Safety Administration's

concentration in Emergency Management at NSU. A maximum of 62 credit hours from FCC will transfer to NSU. Students must maintain a 2.000 GPA in order to transfer. For more information, contact Program Manager, Emergency Management, 240.629.7952.

## Southern New Hampshire University

Frederick Community College and Southern New Hampshire University are committed to facilitating smooth transitions toward the completion of a bachelor's degree. The institutions have signed an agreement that develops transfer pathways for students in Business Administration, Cybersecurity, General Studies, Human Services, Medical Assistant, Respiratory Care, and Surgical Technology. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Stevenson Online University

Frederick Community College and Stevenson University are committed to facilitating a smooth transition from FCC to completion of a bachelor's degree. With this goal in mind, the institutions have signed a memorandum of understanding which provides students graduating from FCC with a 20% tuition discount when attending Stevenson University-Online. For more information, contact Career and Academic Planning Services at 301.846.2471.

## American Sign Language Interpreter

Frederick Community College maintains an articulation agreement with Stevenson Online University for graduates of the American Sign Language Interpreter program transferring to the Professional Studies program at Stevenson Online University. A maximum of 90 credits hours from FCC will be allowed toward degree fulfillment of the 120 credit hours in the bachelor program. Only courses in which students have earned a "C" or better are eligible for transfer and students must maintain a 2.5 GPA or higher in all previous course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Arts & Humanities

Frederick Community College maintains an articulation agreement with Stevenson Online University for graduates of the Arts & Humanities program transferring to the Professional Studies program at Stevenson Online University. A maximum of 90 credits hours from FCC will be allowed toward degree fulfillment of the 120 credit hours in the bachelor program. Only courses in which students have earned a "C" or better are eligible for transfer and students must maintain a 2.5 GPA or higher in all previous course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Criminal Justice

Frederick Community College maintains an articulation agreement with Stevenson Online University for graduates of the Police Science program transferring to the Criminal Justice program at Stevenson Online University. A maximum of 90 credits hours from FCC will be allowed toward degree fulfillment of the 120 credit hours in the bachelor program. Only courses in which students have earned a "C" or better are eligible for transfer and students must maintain a 2.5 GPA or higher in all previous course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Early Childhood Education

Frederick Community College maintains an articulation agreement with Stevenson Online University for graduates of the Early Childhood Education program transferring to the Professional Studies program at

Stevenson Online University. A maximum of 90 credits hours from FCC will be allowed toward degree fulfillment of the 120 credit hours in the bachelor program. Only courses in which students have earned a "C" or better are eligible for transfer and students must maintain a 2.5 GPA or higher in all previous course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Respiratory Care

Frederick Community College maintains an articulation agreement with Stevenson Online University for graduates of the Respiratory Care program transferring to the Professional Studies program at Stevenson Online University. A maximum of 90 credits hours from FCC will be allowed toward degree fulfillment of the 120 credit hours in the bachelor program. Only courses in which students have earned a "C" or better are eligible for transfer and students must maintain a 2.5 GPA or higher in all previous course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Strayer University

The mission of Strayer University is primarily to serve adult students interested in completing their B.A. degree through evening, weekend and online delivery of courses. Frederick Community College (FCC) maintains an articulation agreement with Strayer University. Students completing an A.A. or A.S. at FCC will be considered to have met all lower division general education requirements at Strayer University. The maximum number of transfer credits accepted by Strayer is 84. For more information, contact Career and Academic Planning Services at 301.846.2471.

## University of Maryland Global Campus

The University of Maryland Global Campus offers a number of online degree programs for students completing their A.A., A.S. or A.A.S. degree requirements in specific programs at Frederick Community College. UMGC offers academic programs in the following areas through distance education: Business and Management, Cyber Security, Education and Teaching, Healthcare and Science, Information Technology and Computer Science, Liberal Arts and Communication, and Public Safety. For more information, contact Career and Academic Planning Services at 301.846.2471.

## University of Phoenix

University of Phoenix is best known for its online delivery of courses. Students can earn their degree via the Internet. FCC has an articulation agreement with the University of Phoenix that guarantees acceptance of FCC coursework toward completion of the bachelor's degree. For more information, contact Career and Academic Planning Services at 301.846.2471 or visit the University of Phoenix website Credit Transfer Information for Students ([https://www.phoenix.edu/admissions/transfer-information-30120.html?adobe\\_mc\\_sdid=SDID%3D4F996253398C4DA3-0945C37AF448843E%7CMCORGID%3D8DF667C25245B0070A490D4C%40AdobeOrg%7CTS%3D1613689200&adobe\\_mc\\_ref=https%3A%2F%2Fwww.phoenix.edu%2Fadmissions%2Ftransfer\\_information%2Ftransfer-guides.html](https://www.phoenix.edu/admissions/transfer-information-30120.html?adobe_mc_sdid=SDID%3D4F996253398C4DA3-0945C37AF448843E%7CMCORGID%3D8DF667C25245B0070A490D4C%40AdobeOrg%7CTS%3D1613689200&adobe_mc_ref=https%3A%2F%2Fwww.phoenix.edu%2Fadmissions%2Ftransfer_information%2Ftransfer-guides.html)) page.

## Prior Learning Assessment (PLA)

Prior learning pathways at FCC allow students the opportunity to earn credit for college-level learning, thus accelerating their progress toward graduation. A PLA evaluation is conducted of a student's work experiences, workplace training, professional licensure and certifications, military training and service, volunteer activities, life experiences, credits

earned by standardized testing, and volunteering and community service activities which demonstrate college-level learning. Credit for PLA is not awarded for experience alone, but for a combination of experience and college-level learning. Students seeking credit for prior learning should call the Assistant Dean, Career Programs at 301.846.2587 for more information.

## Portfolio Assessment

The portfolio development process allows students an opportunity to demonstrate college-level knowledge acquired from work, independent reading, training programs, volunteer activities, and other life experience. A portfolio is an organized collection of essays, documentation, and artifacts demonstrating learning through work and life experiences that satisfies a specific FCC course. Following development the portfolio is submitted to the college for credit review by faculty. Students pay an assessment fee for the portfolio to be reviewed equivalent to a one-credit course and will be assessed 50% of the current tuition per credits rewarded. No more than 15 credits may be earned through portfolio assessment. For additional information, contact the Prior Learning Assessment Coordinator at 301.846.2587.

## Institutional Departmental Exams

If no CLEP or DSST exam (see charts below) is available for the subject in which a student is knowledgeable or skilled, students may contact the Prior Learning Assessment Coordinator to discuss the possibility of credit by course examination. A credit by examination may be taken only once. If the student passes a credit by examination with a grade of "C" or better, they will earn the stipulated number of credits for the course. A student's transcript will show credit for the specific courses that were taken on a credit-by-examination basis. No grade will be recorded, but credits may be counted toward degree requirements. Students pay an assessment fee of 50% of the current tuition per credit prior to taking the departmental exam. If a student is enrolled in a class for which they subsequently request a departmental examination, no refund for the course is available. No more than 15 credits may be earned through departmental examinations. For additional information, contact the Prior Learning Assessment Coordinator at 301.846.2587.

## Certificate & Licensure Evaluation

FCC accepts many industry-standard certificates and licensure for college credit. Currently students enrolled in a minimum of three credits can take advantage of agreements in programs including accounting, computer science, criminal justice, emergency management, fire service administration, hospitality, culinary, and tourism, medical assisting, and police science. For additional information, contact your program manager, department chair, or the Prior Learning Assessment Coordinator call 301.846.2587.

## Credit by Examinations CLEP/DSST/IB/AP College Level Examination Program (CLEP) and DANES Standardized Subject Tests (DSST)

CLEP and DSST are national credit-by-examination programs providing individuals the opportunity to earn credit in a non-traditional format. General and Subject exams are available in many different disciplines. FCC's Testing Center administers CLEP and DSST exams by appointment. For more information about taking a CLEP or DSST exam, contact the Testing Center at 301.846.2522.

FCC also accepts CLEP and DSST and awards credit based on the exam taken and score earned. Refer to the following charts for exams accepted

by FCC. For more information, contact Career and Academic Planning Services at 301.846.2471 or a Transfer Evaluator at 301.846.2595.

## Advanced Placement Examination

These subject matter exams sponsored by the Educational Testing Service are generally administered through high schools at the culmination of AP course offerings. The program provides a practical way for high school students to receive advanced standing credit in college for college-level courses completed in high schools. Applicants for admission who have taken AP examinations should have an official copy of their scores sent to the FCC Registration & Records Office in Jefferson Hall.

## International Baccalaureate

FCC will evaluate International Baccalaureate (IB) subject examinations with scores of 5, 6, or 7. The Students may be awarded up to 30 credits toward the associate degree, but those planning to transfer need to consult with potential transfer institutions regarding each institution's policy on required scores and credits awarded. FCC does not assess any fees or tuition for International Baccalaureate (IB) evaluations and credit awards. To request an official candidate score report to be sent to FCC, see the International Baccalaureate website at <http://www.ibo.org>. Students must have official results sent to the FCC Registration & Records Office in Jefferson Hall.

IB Exam	FCC Course Equivalent/Credits Awarded
IB English (HL)	5+ = ENGL 102 5+ and Completion of full-diploma option = ENGL 101 & ENGL 102
IB Math (HL)	5+ = MATH 120 (3) and MATH 185 (4); Placement into MATH 195
IB Math (SL)	5+ = MATH 165 (4); Placement into MATH 175 or MATH 185
IB Math Studies	5+ = MATH 101 (3)
IB Biology (HL)	6+ = BSCI 150 & BSCI 160
IB Biology (SL)	6+ = BSCI 100
IB Chemistry	5 = CHEM 101; 6+ = CHEM 101 and CHEM 102
IB Physics (SL)	No credit
IB History of the Americas	5 = HIST 201 or HIST 202; 6+ = HIST 201 & HIST 202
IB History of Europe	5+ = HIST 102
IB Economics (SL)	6+ = ECON 200 & ECON 202
IB Spanish	5+ = SPAN 101 & SPAN 102
IB French	5+ = FREN 101 & FREN 102
IB Latin	5+ = LATN 101 & LATN 102
IB Music	Determined by program manager
IB Art	5+ = ARTT 104
IB Computer Science	5+ = CMIS 106
Full IB Diploma (indicates successful completion of the Theory of Knowledge course and the Extended Essay)	ENGL 101

## American Council on Education (ACE)

ACE offers a Credit Recommendation Service and is a resource that connects workplace learning with colleges and universities by helping

adults gain access to academic credit for formal course evaluations acquired outside the traditional classroom setting. Credit may be granted for educational programs that have been completed successfully at non-college institutions and applied to students program of study. ACE also evaluates military training and experience. FCC does not assess any fees or tuition for the evaluation or awarding of ACE credits. ACE now provides a working transcript which includes free digital transcripts and badges. Visit [acenet.edu](https://www.acenet.edu) (<https://www.acenet.edu>) for more information.

### National Credit Recommendations Services (NCCRS)

Evaluates training and education programs offered outside of the traditional college classroom setting provided by industry, state, and federal government employers, professional organizations and other agencies and translates them into college credits. FCC does not assess any fees or tuition for the evaluation or award of NCCRS credits. Students must request an official transcript from NCCRS be sent directly to the Registration and Records Office in Jefferson Hall.

### Military Training & Service

FCC will evaluate military training and service and award credit where applicable. The Community College of the Air Force (CCAF) and Joint Services Transcripts (JST) are issued to Air Force (CCAF), Army, Coast Guard, Marine Corps, and Navy (JST) personnel and document their military training, experience, and service. Some military education and/or training may be eligible for credit. FCC does not assess any fees or tuition for the evaluation or awarding of JST or CCAF credits. Students must request an official transcript from JST or CCAF be sent directly to the Registration and Records Office in Jefferson Hall. No more than 45 military training and service credits can be used to fulfill degree requirements.

### CLEP Exams

Examinations	Score Needed	Credits	Course Equivalent
<b>General Examinations</b>			
College Mathematics	50	3	MATH 101
Humanities	50	6	ARTT 105, ENGL 205
Social Sciences/ History	50	6	SOCY 101, HIST 101
<b>Subject Examinations</b>			
Business:			
Financial Accounting	50	6	ACCT 100, ACCT 101
Information Systems & Computer Applications	50	3	CMIS 101
Business Law	50	3	BMGT 211
Principles of Management	50	3	BMGT 227
Principles of Marketing	50	3	BMGT 225
Composition & Literature:			

American Literature	50	6	ENGL 203, ENGL 204
College Composition	50	3	ENGL 101
Foreign Languages:			
French, Level 1	50	6	FREN 101, FREN 102
French, Level 2	62	12	FREN 101, FREN 102, FREN 201, FREN 202
German, Level 1	50	6	GERM 101, GERM 102
German, Level 2	63	12	GERM 101, GERM 102, GERM 201, GERM 202
Spanish, Level 1	50	6	SPAN 101, SPAN 102
Spanish, Level 2	66	12	SPAN 101, SPAN 102, SPAN 201, SPAN 202
History & Social Sciences:			
American Government	50	3	POSC 104
Human Growth Dev.	50	3	EDPS 210
Introductory Psychology	50	3	PSYC 101
Introductory Sociology	50	3	SOCY 101
Macroeconomics	50	3	ECON 201
Microeconomics	50	3	ECON 202
US History I: Early Colonization-1877	50	3	HIST 201
US History II: 1865 to the Present	50	3	HIST 202
Western Civilization I: Ancient Near East-1648	50	3	HIST 101
Western Civilization II: 1648-Present	50	3	HIST 102
Science & Mathematics:			
Calculus	64	4	MATH 175
Precalculus	61	4	MATH 165
College Algebra	50	3	MATH 145

## Advanced Placement Exams

Test	Score	FCC Credit
Art-History	3 or better	ARTT 104 (3)
Art-Studio	3 or better	Possible credit for ARTT 101 or ARTT 106 (program manager determines whether or not credit can be awarded)
Biology	3 or better	BSCI 100 (4)
	4 or better	BSCI 150 (4)
	5 or better	BSCI 150 (4) & BSCI 160 (4)
Calculus AB	4 or better	MATH 185 (4)
Calculus BC	4 or better	MATH 185, MATH 195 (8)
Chemistry	3 or better	CHEM 100 (4)
	4 or better	CHEM 101 (4)
	5 or better	CHEM 101 (4), CHEM 102 (4)
Comparative Government & Politics	4 or better	GEPOSC or GESOCSCI (General Education, Political Science or Social Science) (3)
Computer Science A	3 or better	CMIS 106 (3)
Computer Science AB	4 or better	CMIS 201 & CMIS 202 (6)
Computer Science Principles	3 or better	CMIS ELECT (3)
Economics-Macro	3 or better	ECON 200 (3)
Economics-Micro	3 or better	ECON 202 (3)
English-Lang/Comp	3	placement into ENGL 101 (0)
	4 or better	ENGL 101 (3)
English-Lit/Comp	3	placement into ENGL 101 (0)
	4 or better	ENGL 102 (3)
Environmental Science	4 or better	BSCI 105 (3)
French-Language	3 or better	FREN 101, FREN 102 (6)
German-Language	3 or better	GERM 101, GERM 102 (6)
Government & Politics US	4 or better	POSC 104 (3)
History-European	4 or better	HIST 102 (3)
History-US	4 or better	HIST 201 or HIST 202 (3)
	5 or better	HIST 201 (3) & HIST 202 (3)
Italian-Language & Culture	3 or better	ITAL 101 (3) and ITAL 102 (3)
Latin	3 or better	LATN 101 (3) and LATN 102 (3)
Music Theory	3 or better	MUSC 103 (3)

4 or better

Music majors: credit determined by program manager

Music Listening & Literature	3 or better	MUSC 101 (3)
Physics 1	4 or better	PHYS 121 (4)
Physics 2	4 or better	PHYS 122 (4)
Physics B	4 or better	PHYS 121, PHYS 122 (8)
Physics C Mechanics	4 or better	PHYS 151 (4)
Physics C Electricity & Magnetism	4 or better	PHYS 252 (4)
Psychology	3 or better	PSYC 101 (3)
Spanish-Language	3 or better	SPAN 101, SPAN 102 (6)
Statistics	3 or better	MATH 120 (3)
World History: Modern	4 or better	HIST 122 (3)

## DSST Exams (DANTES)

Exam Title	Minimum Score	Course Equivalency	Credits
Art of the Western World	400	AR 105/ARTT 105	3
Business Ethics and Society	400	PH 208/PHIL 208	3
Criminal Justice combined with Intro to Law Enforcement	400 (Students MUST take both exams and earn the minimum score in each exam)	CJ 101/CCJS 101	3
Environmental Science	400	BI 202/BSCI 105	3
Fundamentals of College Algebra	400	MA 103/MATH 101	3
Fundamentals of Counseling	400	HS 203/HUMS 203	3
Health and Human Development	400	HE 204/HLTH 150	3
Human Resource Management	400	BU 223/BMGT 223	3
General Anthropology	400	AN 101/ANTH 101	3
Introduction to Business	400	BU 103/BMGT 103	3
Introduction to Geography	400	GG 101/GEOG 101	3
Introduction to Geology	400	GE/SI NL (General Education Non-Lab Science)	3
Introduction to World Religions	400	PH 204/HUMN 204	3
Lifespan Developmental Psychology	400	ED/PS 208/EDPS 210	3
Principles of Public Speaking	400	CMSP 103/COMM 103	3
Principles of Statistics	400	MA 206/MATH 120	3

Principles of Supervision	400	BU 227/BMGT 227	3
The Civil War and Reconstruction	400	HI 212/HIST 212	3

## Required Orientation, Advising & Registration (ROAR)

All new students planning to attend FCC for their first college experience will participate in the ROAR program. Students must have applied to the College and completed their placement assessment (or submitted testing exemptions) before they can schedule a ROAR appointment.

### Three Steps to ROAR

- An online orientation featuring modules that include a comprehensive video presentation, advising tools and resources, schedule booklets, preparation to meet with your advisor, career and transfer planning, and online learning resources.
- A meeting with your Academic Advisor to help you choose classes and review your degree plan.
- Registration for classes.

For more information on ROAR, please visit [frederick.edu/orientation](http://frederick.edu/orientation) (<http://frederick.edu/orientation/>).

## Special Programs of Study

### Associate Degree Nursing

Enrollment in the clinical portion of the associate degree nursing (ADN) program is limited by the availability of staff and facilities. To be considered for admission, students must:

- Complete and submit an application for admission and provide proof of residency
- Complete and submit an application for the ADN clinicals by February 1 preceding expected fall semester entrance and September 15 for expected spring semester entrance. Clinical applications are available online at [www.frederick.edu/nursing](http://www.frederick.edu/nursing) (<http://www.frederick.edu/nursing/>). Residents of Frederick County are given priority consideration for admission.
- Register and complete the Test of Essential Academic Skills (ATI TEAS) before application deadline. Information on ATI TEAS may be found at [www.frederick.edu/nursing](http://www.frederick.edu/nursing) (<http://www.frederick.edu/nursing/>).
- Submit official transcripts from all previously attended colleges and universities to the Welcome Desk/Registration & Records Office or electronically through an approved vendor.
- Complete FCC's assessment testing unless otherwise exempted.
- To be included in the pool of applicants for admission to the clinical portion of the nursing program (ADN), students must complete all required developmental coursework, complete BSCI 201 Anatomy and Physiology I, BSCI 202 Anatomy and Physiology II, and BSCI 223 Microbiology for Allied Health by the end of the semester in which they are applying and send all official college transcripts from other colleges and universities to Registration and Records by February 1 for day option and September 15 for evening/weekend option.

- A point system is used to select candidates for admission to the clinical portion of FCC's nursing programs (ADN and Transition-to-RN Program). Each program has its own separate pool of applicants, and students may apply only to one program in any given semester. Points are assigned for non-clinical courses completed, residency, a math aptitude test (if applicable), cumulative grade point average (GPA) and grades in the prerequisite science courses. Any course(s) being repeated must be completed by the end of the January term in order to count in the GPA calculation for the day option or summer semester for the evening/weekend option. If a student is completing a prerequisite science course during the application semester, the midterm course grade will be applied to the point scale (including transfer courses). Students will be allowed to repeat any pre-requisite science course one time only, including withdrawals, audits, and transfer credit, within 5 years of the application deadline. All science prerequisites must be completed within 5 years of application.
- The students with the highest point total are offered admission to the clinical portion of the ADN program. Students with equal point totals will be ordered by GPA from highest to lowest. If an accepted student declines his/her seat in the program or fails to meet the spring or summer course requirements, the next eligible student with the highest score is offered admission to the program.
- Once grades have been posted in May for day option and January for evening/weekend option, transcripts for those accepted conditionally will again be evaluated. Any student who dropped a course or failed to earn a "C" or better will be re-evaluated. If, after re-evaluation, a student's new point total falls below the cut-off score for the ADN clinical class, he/she will not be eligible for the clinical portion of the program and the next qualified candidate will be admitted.
- A student who fails NURS 101 Introduction to Clinical Nursing and wants to return to a future clinical class will be offered the opportunity to join the pool of applicants for the following year.

For information on the Criteria for Admission for the Transition-to-RN Program, contact the Health Sciences Advisor, 240.629.7935 or the Director of Nursing Education, 301.846.2607.

### Criteria for Admission to the Associate Degree Nursing Program

Criteria	Possible Points
BSCI 201 (Anatomy and Physiology I) • 8 points for A, 7 points for B, 6 points for C » midterm grades are counted for courses in progress • course must have been completed within 5 years of the application deadline	8
BSCI 202 (Anatomy and Physiology II) • 8 points for A, 7 points for B, 6 points for C » midterm grades are counted for courses in progress • course must have been completed within 5 years of the application deadline	8

BSCI 223 or BSCI 263 (Microbiology)	8
• 8 points for A, 7 points for B, 6 points for C	
» midterm grades are counted for courses in progress	
• course must have been completed within 5 years of the application deadline	
Cumulative GPA (including transfer credits)	2
• 3.500 or higher: 2 points	
• 3.000 - 3.490: 1 point	
Prerequisites completed or in progress:	1
• ENGL 101	
• Mathematics General Education course	1
• PSYC 101 General Psychology	1
• SOCY 101 Introduction to Sociology	1
• EDPS 210 (Human Growth & Development)	1
• Arts General Education course	1
• Humanities General Education course	1
• Communication course: COMM 103 or COMM 105 or COMM 107	1
Frederick County Resident, Active Duty Military, Military Veteran, or Legal Dependent of	3
<b>Total Possible Points</b>	<b>37</b>

**Note:** BSCI 201 Anatomy and Physiology I, BSCI 202 Anatomy and Physiology II, and BSCI 223 Microbiology for Allied Health/BSCI 263 Elements of Microbiology may each be repeated only once, including withdrawals, audits, and transfer credits within 5 years of the application deadline. Students repeating any of these courses more than the allowed number of attempts will not be awarded any points for the applicable course, regardless of grades earned.

All sciences must be completed with a grade of "C" or better within 5 years of the application deadline.

## Criteria for Admission to the Licensed Practical Nursing (LPN) Program

Criteria	Possible Points
BSCI 201 (Anatomy and Physiology I)	8
• 8 points for A, 7 points for B, 6 points for C	
» midterm grades are counted for courses in progress	
• course must have been completed within 5 years of the application deadline	
BSCI 202 (Anatomy and Physiology II)	8
• 8 points for A, 7 points for B, 6 points for C	
» midterm grades are counted for courses in progress	
• course must have been completed within 5 years of the application deadline	
BSCI 223 or BSCI 263 (Microbiology)	8
• 8 points for A, 7 points for B, 6 points for C	
» midterm grades are counted for courses in progress	
• course must have been completed within 5 years of the application deadline	
Cumulative GPA (including transfer credits)	2
• 3.500 or higher: 2 points	
• 3.000 - 3.490: 1 point	
Prerequisites completed or in progress:	1
• ENGL 101	
• Mathematics General Education course	1

• EDPS 210 (Human Growth & Development)	1
Frederick County Resident, Active-Duty Military or Legal Dependent, or Veteran	3
<b>Total Possible Points</b>	<b>32</b>

## Physical Therapist Assistant (PTA) - Program Coming Soon

- Apply to the College:** Apply to FCC and declare Pre-Health Professions: PTA as your major.
- Complete Placement Tests:** Complete FCC placement tests as needed - consult with Admissions or Advising.
- Submit Official Transcripts:** Send official college/university and high school transcripts, SAT & ACT scores as well as any CLEP, IB or AP scores to the Registration and Records Office.
  - Minimum un-weighted 2.5 GPA from high school transcripts **OR** cumulative of college work (at least 12 credits)
- Apply for Financial Aid:** Apply for Financial Assistance – Submit the FAFSA and apply for scholarships.
- Complete Pre-Admission Courses:** Complete the following requirements with a *grade of C or better\**:

- MATH - MATH 120 Statistics or Higher
- BSCI 150 Principles of Biology I

*\*Final pre-admission courses, including sciences, can be in progress the semester application is submitted or planned for summer semester. Student must pass BSCI 150 Principles of Biology I and MATH 120 Statistics or higher with a C or better prior to admission.*

- Complete the TEAS:** Prior to applying to the PTA program, complete the Test of Essential Academic Skills (ATI TEAS) and earn a score that qualifies your application for review.
  - Minimum qualifying TEAS Score:
    - Overall score in the proficient range or above (minimum 60% overall)
    - Minimum reading score of 60%
    - Minimum math score of 60%
    - Minimum science score of 60%
    - Minimum English score of 60%
  - Register for the TEAS through [atitesting.com](http://atitesting.com). Students can take the TEAS at FCC's Testing Center.
  - Submit application and qualifying TEAS Score to the PTA program.
- Essay:** Students will respond to an essay prompt at the testing center after the completion of their TEAS exam. If the TEAS exam was taken at another facility, the student can arrange to complete the essay through the FCC Testing Center prior to the application deadline. The essay is rated according to a rubric that is posted on the FCC PTA webpage. The points are added to the student's overall score for ranking all qualified applicants.
- Complete Observation Hours:** Submit signed Observation Forms with 30 hours of observation time with a PT or PTA in *at least* two different types of facilities.
- Complete Service Hours:** Submit Service/Volunteer Hours form with at least 20 hours of volunteer service hours in the last year January 2021 through April 2022.

10. **Work Experience:** No work experience is required for application, but related work experience as a Physical Therapy tech or aide, Athletic Trainer, Exercise Physiologist, Massage Therapist, or CNA qualifies the applicant for additional points on their application. The hours must be completed in the past year (January 2021 - April 2022) and the work experience must be documented on the Employment Verification Form.

For those students who have submitted all documentation and met the above criteria, a point system is used to select candidates for admission to the technical portion of FCC’s PTA program. Points are assigned for grades in the general education courses completed by time of the application, work experience, service/volunteer hours, and previous degrees. The students with the highest point total are offered admission to the program. If an accepted student declines his/her seat in the program or fails to meet summer course requirements, the next eligible student with the highest score is offered admission to the program.

Completion of additional program courses (see criteria table below) by the May 1, 2022 application deadline is highly recommended as this adds points to a student’s application and makes the student more competitive for admission.

### Criteria for Admission to the PTA Program

Criteria	Possible Points
Medical Terminology (MEDA 109) <sup>1</sup>	6
English Composition (ENGL 101) <sup>1</sup>	6
General Psychology (PSYC 101) <sup>1</sup>	6
Statistics or higher (MATH 120 or higher) <sup>1</sup>	6
Principles of Biology (BSCI 150) <sup>1</sup>	6
Anatomy & Physiology I (BSCI 201) <sup>1</sup>	6
Anatomy & Physiology II (BSCI 202) <sup>1</sup>	6
Small Group Communication (COMM 105) <sup>1</sup>	6
Earned Associate’s Degree	3
Earned Bachelor’s Degree or higher	6
Volunteer Experience – over 30 hours	6
20 hours = required	
30 hours = 1 points	
40 hours = 2 points	
50 hours = 3 points	
60 hours = 4 points	
70 hours = 5 points	
80 hours = 6 points	
Work Experience – not required	6
200 hours = 2 points	
250 hours = 3 points	
300 hours = 4 points	
350 hours = 5 points	
400 hours or greater = 6 points	
<b>Total Possible Points</b>	<b>69</b>

1

Points for courses are awarded based on grade earned: A = 6 points, B = 4 points; C = 2 points.

Graduation from a physical therapist assistant education program accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 3030 Potomac Av., Suite 100, Alexandria, Virginia 22305-3085; 703.706.3245; accreditation@apta.org is necessary for

eligibility to sit for the licensure examination, which is required in all states.

FCC is seeking accreditation of a new physical therapist assistant education program from CAPTE. The program is planning to submit an Application for Candidacy, which is the formal application required in the pre-accreditation stage, on December 1, 2021. Submission of this document does not assure that the program will be granted Candidate for Accreditation status. Achievement of Candidate for Accreditation status is required prior to implementation of the technical phase of the program; therefore, no students may be enrolled in technical courses until Candidate for Accreditation status has been achieved. Further, though achievement of Candidate for Accreditation status signifies satisfactory progress toward accreditation, it does not assure that the program will be granted accreditation.

### Respiratory Care

To be included in the pool of applicants for admission to the clinical portion of the respiratory care program, a student must request consideration through the Health Science Department by June 1. In addition, you must:

- i. Complete all required developmental coursework prior to applying to the program.
- ii. Complete BSCI 201 Anatomy and Physiology I with a “C” or better prior to applying to the program.
- iii. Be in good academic standing (no academic alert, no academic probation).
- iv. Have a GPA of at least 2.000.
- v. Have all official transcripts from other colleges/universities sent to Registration and Records by June 1.
- vi. Apply for admission to Frederick Community College.
- vii. Meet with the allied health advisor.

Points will be assigned only to those students who have returned the “Student Application for the Respiratory Care Clinical Class” and met the above criteria. The point value for non-clinical courses completed and residency are shown on the “Criteria for Admission to the Respiratory Care Program” sheet.

The students with the highest point total will be accepted conditionally into the clinical portion of the program and will be informed of their status by June 30.

### Criteria for Admission to the Respiratory Care Program

Course	Points
ENGL 101	1
PSYC 101	1
BSCI 201	2
2 points if passed first time course is taken, 1 point if passed second time course is taken, 0 points if passed on three or more attempts. Only “C” grade or better is accepted as passing for Respiratory Care program.	
BSCI 202	2
2 points if passed first time course is taken, 1 point if passed second time course is taken, 0 points if passed on three or more attempts. Only “C” grade or better is accepted as passing for Respiratory Care program.	
BSCI 223	2
MATH 120 or higher	2

COMM 105	1
PHED, HLTH, or NUTR Elective	1
GPA: 3.000 or higher	1
Job Shadow (observe a therapist)	1
Residency – Frederick County, Carroll County, Howard County, or Military Veteran <sup>1</sup>	1
<b>Total</b>	<b>15</b>

1

Residents of Carroll and Howard Counties are awarded the same point for residency as Frederick County residents, as part of the Mid-Maryland Allied Healthcare Consortium Agreement.

## Surgical Technology

The AAS degree in Surgical Technology will be the only option after the graduating class of December 2020 (admitted spring 2020). The Certificate will be discontinued.

Enrollment in the clinical portion of the program is limited to 20 students in each of two starting dates, fall and spring. To be considered, you must:

- i. Complete and submit a FCC application for admission and submit proof of residency if required.
- ii. Complete an online application for the ST program. All applications will be reviewed and seats will be offered according to the point scale and application date. First consideration is given to those students who submit an application by the first consideration date for the fall or spring classes. Refer to the online application.
- iii. Minimum skill levels in the areas of reading, writing, math, and allied health science are necessary for an application to be considered. Students may meet these requirements by taking the placement assessments and meeting the minimum skill levels or by taking appropriate developmental course work in these subjects.
- iv. Students must achieve a “C” or higher in any class they plan to apply toward ST program requirements.
- v. A point system is used to determine selection to the program. Points will be assigned only to those students who have returned the Application for Admission to the Surgical Technology Class.
- vi. When there are more qualified applicants than there are seats in the program, those with the highest points will be offered seats first. Other qualified applicants will be offered seats as they become available. It is highly recommended that you participate in the job shadowing experience. Those with documented job shadowing will be given priority.

**Note:** Currently Certified Registered Central Service Technicians (CRCST) from the International Associate of Healthcare Central Service Material Management organization are eligible to be awarded 6 credits in the Surgical Technology Program: MEDA 109 Medical Terminology -3 credits and Elective-3 credits.

Currently Certified Surgical Technologists (CST) through the National Board of Surgical Technology and Surgical Assisting are eligible to be awarded 35 departmental credits according to the terms of the Evaluation of Credit Through Credential Assessment or Prior Learning Assessment (PLA) Agreement.

Evaluation and award granted according to the terms of the Evaluation of Credit through Credential Assessment or Prior Learning Assessment (PLA) Agreement.

## Criteria for Student Selection into the Surgical Technology Class

All courses to be applied towards the AAS in Surgical Technology must be a “C” grade or higher.

Criteria	Possible Points
<b>Biology Gen Ed Core: BSCI 201 Anatomy &amp; Physiology</b> 4 credits Must complete prior to the application: 4 points for completed 2 points for course in progress Limit of one repeat to receive points.	2-4
<b>Biology Gen Ed Core: BSCI 202 Anatomy &amp; Physiology II</b> 4 credits Must complete prior to the application: 4 points for completed 2 points for course in progress Limit of one repeat to receive points.	2-4
<b>Communication Gen Ed Core: COMM 103, COMM 105 or COMM 107</b> 3 credits Must complete prior to the application.	1
<b>Departmental Requirement: Medical Terminology MEDA 108 or MEDA 109</b> 1 or 3 credits May be in progress at time of application (1 point)	1
<b>Electives, 6 credits total</b> May be in progress at time of application (1 point)	1
<b>English Gen Ed Core: English composition/ENGL 101</b> 3 credits Must complete prior to the application.	1
<b>Mathematics Gen Ed Core</b> 3 or 4 credits Must complete prior to the application.	1
<b>Physical Education, Health, or Nutrition</b> 1 or 3 credits May be in progress at the time of application (1 point awarded)	1
<b>Psychology or Sociology Gen Ed Core: PSYC 101 or SOCY 101</b> 3 credits Must complete prior to the application.	1
Previous degree completion	4
Pre-Health Surgical Technology listed as applicant's major field of study.	2
<b>All original transfer transcripts</b> received and read by the FCC Registrar prior to the first consideration date for each course to be applied.	3
<b>Job shadowing completed and reflection</b> received prior to the application first consideration date. October 15 (spring) and April 15 (fall)	2
<b>Frederick County Resident</b> Included are Howard and Carroll Consortium transfer students.	2

<b>Total Possible Points</b>	<b>28</b>
<b>Minimum points to receive contingent acceptance</b>	<b>13</b>

## Student Information

FCC considers the following to be essential elements of a student record:

- Legal name
- Permanent address
- Birth date
- County and state of legal residence
- Phone number

Frederick Community College accords to students all rights under the Family Educational Rights and Privacy Act as amended. No one outside the institution shall have access to, nor will the institution disclose any information from, a student's educational record without the written consent of the student, except when prior written consent is not required by the act or the implementing regulations. A complete text of the college's compliance procedures is available upon request from the Welcome Desk.

## Change of Student Information

Students who change their address during the year are responsible for completing a "Change of Address" form in Registration and Records or at frederick.edu (<http://frederick.edu>). Proof of residence will be required.

Students who wish to change their name must fill out a form available at the Welcome Desk. Changes to Primary Name require documentation (list of appropriate documents available at Registration and Records). Changes to Preferred Name do not need documentation.

## Transfer Agreements

In an effort to best meet the educational needs of our students, Frederick Community College has worked to create partnerships and articulation agreements with many two- and four-year colleges and universities in Maryland and surrounding areas.

Articulation agreements are explicit arrangements between FCC and other institutions to help ensure the maximum transfer of credits and create other partnerships beneficial for transfer students. Articulation agreements are not required for students to transfer and students should consult with an advisor to better understand their transfer options.

## Frostburg State University Computer Science

In addition to the system-wide articulation with Frostburg State University and other Maryland State universities, Frederick Community College and Frostburg have established an articulation agreement to streamline transfer of Computer Science students to the Computer Information Systems program at Frostburg. Students can transfer a maximum of 70 credits and must maintain a 2.0 cumulative GPA. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Dual Admission

Frederick Community College has entered into an agreement with Frostburg State University which will allow students to complete their associate's degree at FCC while maintaining dual admission to FSU. While enrolled at FCC, Dual Admission students will have access to

services at FSU including academic advising, along with the use of library resources and other on-campus facilities at FSU and the University System of Maryland Center in Hagerstown. An application for dual admission can be obtained at the Welcome Desk. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Information Systems Management

In addition to the system-wide articulation with Frostburg State University and other Maryland State universities, Frederick Community College and Frostburg have established an articulation agreement to streamline transfer of Information Systems Management students to the Computer Information Systems program at Frostburg. Students can transfer a maximum of 70 credits and must maintain a 2.0 cumulative GPA. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Nursing

The purpose of this agreement is to enhance and maintain the relationship between FCC students and FSU by offering dual enrollment to FSU. Students who have been accepted to FCC's Nursing Program or who have completed the Associate Degree in Nursing at FCC and have an unencumbered RN license in the United States or are qualified to complete their state RN licensure exam and have completed the majority of prerequisite course work and general education requirements are eligible for dual enrollment. For further information, contact Jennifer McAninley, Academic Advisor at FCC, 240.629.7935.

## Goucher College

In an effort to enhance and maintain the relationship between FCC and Goucher College, transfer students from FCC's Honors College program are guaranteed admission into Goucher College during the fall semester or spring semester after completing a degree or earning 60 credits at FCC with a 3.5 cumulative grade point average. Additionally, Goucher College will also consider waiving the application fee, consideration for transfer merit scholarship, and an additional \$2,000 scholarship if the student is a Phi Theta Kappa member. Interested students should contact the FCC Honors Program Coordinator for further information.

## Harrisburg University of Science and Technology Biotechnology

Frederick Community College maintains an articulation agreement for students who graduate with the A.A.S. degree in Biotechnology to transfer to complete their Bachelor's degree in Biotechnology at Harrisburg University of Science and Technology. Students must maintain a 2.0 GPA or higher and only courses with a grade of "C" or higher will transfer. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Nursing

Frederick Community College maintains an articulation agreement for students who graduate with the A.S. degree in Nursing to transfer to complete their Bachelor's degree in Nursing at Harrisburg University of Science and Technology. Students must maintain a 2.0 GPA or higher and only courses with a grade of "C" or higher will transfer. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Hood College

Frederick Community College maintains a Memorandum of Understanding (MOU) with Hood College which provides FCC students with financial incentives when transferring to Hood College. These incentives include scholarships for students who earn at least 15 credits and the possibility to earn a Phi Theta Kappa Honors Society scholarship.

### Honors Program

Frederick Community College maintains a Memorandum of Understanding (MOU) with Hood College for students enrolled in the FCC Honors Program. The purpose of this MOU is to acknowledge the scholastic accomplishments of FCC Honors students and to facilitate a seamless transition from the FCC Honors Program to the Hood College Honors Program. Interested students should contact the FCC Honors Program Coordinator for further information.

### Human Services

Frederick Community College maintains an articulation agreement with Hood College for student completing their degree at FCC in Human Services. The purpose of this agreement between Hood College and Frederick Community College is to allow students having completed an Associate of Arts in Social Science, Area of Concentration in Human Services, as outlined in the agreement, to transition smoothly into the B.A. in Social Work at Hood College. Students will matriculate at junior standing. A maximum of 62 credit hours from FCC will be allowed toward the fulfillment of the 120 credit hours required for baccalaureate completion. All courses meeting general education requirements at FCC will transfer to hood as general education.

## Maryland Area College Music Association (MACM)

The Maryland Area College Music Association (MACM) includes representatives from two- and four-year institutions in the state of Maryland concerned with facilitating the transfer of music students between institutions. In support of that mission, MACM has developed an articulation agreement between the institutions to facilitate transfer of credit in Music Theory/Musicianship at the lower-division level to programs at the four-year institutions. For further information, contact the program manager for Music at 301.846.2566.

## Maryland Council of Deans and Directors of Nursing Programs (MCDDNP)

The Maryland Council of Deans and Directors of Nursing Programs (MCDDNP) agreement was signed between public and some private institutions in the state of Maryland. The agreement is designed to minimize barriers to educational advancement for nurses, thereby encouraging nurses to reach their highest possible level of education. Specifically, the agreement is designed to allow for transfer of credits for students who complete a nursing program and receive their RN licenses, as well as, an LPN to RN articulation of credits. For more further information, contact the Director of Nursing Education, Kyla Newbould, at 301.846.2607.

## McDaniel College Honors Program

Frederick Community College maintains a Memorandum of Understanding (MOU) with McDaniel College for students enrolled in the FCC Honors Program. The purpose of this MOU is to acknowledge the scholastic accomplishments of FCC Honors students and to facilitate

a seamless transition from the FCC Honors Program to the McDaniel College Honors Program. Interested students should contact the FCC Honors Program Coordinator for further information.

## Mid-Maryland Healthcare Consortium

In an effort to facilitate the pursuit of careers in healthcare, Frederick Community College (FCC), Carroll Community College (CCC) and Howard Community College (HCC) formed this partnership to allow residents in the three counties to enroll in selected healthcare programs at any of these colleges at in-county tuition rates. The consortium can benefit FCC students interested in enrolling in the following credit programs:

### *Carroll Community College*

- Physical Therapy Assistant
- Health Information Technology (HIT)
- Emergency Medical Technician (EMT)
- National Registered Paramedic
- Licensed Practical Nurse (LPN) to Registered Nurse (RN)

### *Frederick Community College*

- Respiratory Care
- Surgical Technology
- Health Information Technology (HIT)
- Military to Registered Nursing (RN)
- Licensed Practical Nurse (LPN) to Registered Nurse (RN)

### *Howard Community College*

- Cardiovascular Technology
- National Registered Paramedic (NRP)
- Emergency Medical Technician (EMT)
- Licensed Practical Nurse (LPN)
- Licensed Practical Nurse (LPN) to Registered Nurse (RN)
- Medical Lab Technician
- Diagnostic Medical Sonography
- Dental Hygiene
- Military to Registered Nurse (RN)
- Paramedic to Registered Nurse (RN)
- Radiation Technology
- Physical Therapy Assistant

## Mount St. Mary's University Concurrent Admissions Enrollment Program (CAEP)

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC to the completion of a bachelor's degree. The institutions created the CAEP program which allows students to be enrolled at both institutions, to meet directly with MSMU advisors while taking classes, to attend MSMU events, and other benefits. For more information, contact Career and Academic Planning Services at 301.846.2471.

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's Accounting program to a B.S. in Accounting at Mount St. Mary's University. Students earning an A.A.S. in Accounting and meeting GPA requirements will be able to transfer 60

credits to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Addictions Counseling**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's Addictions Counseling program to a B.S. in Human Services at Mount St. Mary's University. Students earning an A.A.S. in Addictions Counseling and meeting GPA requirements will be able to transfer 60 credits to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Art/Music**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's General Studies or Arts and Humanities program to a B.A. in Fine Arts/Music at Mount St. Mary's University. Students earning an A.A. in General Studies or Arts & Humanities and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Business Administration**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's Business Administration program to a B.S. in Accounting or a B.S. in Business Administration at Mount St. Mary's University. Students earning an A.A. in Business Administration and meeting GPA requirements will be able to transfer 60 credits to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Communication**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's General Studies or Arts and Humanities program to a B.A. in Communications at Mount St. Mary's University. Students earning an A.A. in General Studies or Arts and Humanities and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Criminal Justice - Criminal Justice**

Frederick Community College and Mount St. Mary's University are committed to facilitating a smooth transition from FCC's Criminal Justice program to a B.A. in Criminal Justice at Mount St. Mary's University. Students earning an A.A. in Criminal justice will be able to transfer up to 60 credits to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Criminal Justice - Police Science**

Frederick Community College and Mount St. Mary's University are committed to providing students with the seamless articulation of FCC coursework leading toward completion of the bachelor's degree at MSMU. In support of that commitment, FCC and MSMU maintain an articulation agreement for FCC graduates of the A.A.S. in Police Science. A maximum of 75 credit hours from FCC will be allowed toward fulfillment of the 120 hours required for baccalaureate completion. All courses meeting general education requirements at FCC will transfer to MSMU as general education. For further information, contact Didi Culp, Interim Program Manager, Police Science at 301.846.2687.

### **Cybersecurity**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's Cybersecurity program to the B.S. in Cybersecurity program at Mount St. Mary's University. Students earning an A.A.S. degree in Cybersecurity and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mt. St. Mary's University. Further, students who obtained an A.A.S. in Cybersecurity from FCC and who enrolled in the Biology program at Mount St. Mary's University can apply up to 24 transfer credits to required components of the major. For more information, contact James Hatch at 301.624.2769.

### **Elementary Education/Special Education**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's Elementary Education/Elementary Special Education program to a B.S. in Elementary Education at Mount St. Mary's University. Students earning an A.A.S. in Addictions Counseling and meeting GPA requirements will be able to transfer 63 credits to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **English**

Frederick Community College and Mount St. Mary's are committed to facilitating smooth transition from FCC's General Studies or Arts & Humanities program to a B.A. in English at Mount St. Mary's. Students earning an A.A. in General Studies or Arts & Humanities and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **History**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's General Studies or Social Science program to a B.A. in History at Mount St. Mary's University. Students earning an A.A. in General Studies or Social Sciences and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Honors College**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's Honors program to the Honors Program at Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Philosophy**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's General Studies or Arts and Humanities program to a B.A. in Philosophy at Mount St. Mary's University. Students earning an A.A. in General Studies or Arts and Humanities and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Political Science**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's General Studies or Social Science program to a B.A. in Political Science at Mount St. Mary's University. Students earning an A.A. in General Studies or Social

Sciences and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Pre-Health Professions**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's Pre-Health Professions program to a B.S. in Health Science (Pre-Occupational Therapy Track, Pre-Nursing Track, Pre-Physical Therapy Track) at Mount St. Mary's University. Students earning a A.S. in Pre-Health Professions and meeting GPA requirements will be able to transfer 60 credits to Mount St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Psychology**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's Psychology program to the B.S. in Psychology program at Mount St. Mary's University. Students earning an A.A. degree in Psychology and meeting GPA requirements will be able to transfer up to 60 credits to Mount St. Mary's. For further information, contact Career and Academic Planning Services at 301.846.2471.

### **STEM (Area of Concentration Biology)**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's STEM (Biology area of concentration) program to the B.S. in Biology program at Mount St. Mary's University. Students earning an A.S. degree in STEM (Biology area of concentration) and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mt. St. Mary's University. Further, students who obtained an A.S. degree in STEM (Biology area of concentration) from FCC and who enrolled in the Biology program at Mount St. Mary's University can apply up to 32 transfer credits to required components of the major. For further information, contact Teresa Calzonetti at 301.846.2557.

### **Theology**

Frederick Community College and Mount St. Mary's are committed to facilitating a smooth transition from FCC's General Studies or Arts and Humanities program to a B.A. in Theology at Mount St. Mary's University. Students earning an A.A. in General Studies or Arts and Humanities and meeting GPA requirements will be able to transfer up to 60 credits (the maximum allowable) to Mt. St. Mary's University. For more information, contact Career and Academic Planning Services at 301.846.2471.

## **Mount St. Mary's University – Frederick Campus**

Frederick Community College and Mount St. Mary's-Frederick Campus are committed to facilitating a smooth transition from FCC to completion of a bachelor's degree. With that goal in mind, the institutions have signed a memorandum of understanding by providing students with a 20% tuition discount. For more information, contact Career and Academic Planning Services at 301.846.2471.

## **Salisbury University**

Frederick Community College maintains a Memorandum of Understanding (MOU) with Salisbury University for students enrolled In the FCC Honors Program.

### **Honors Program**

The purpose of this MOU is to acknowledge the scholastic accomplishments of FCC Honors students and to facilitate a seamless transition from the FCC Honors Program to the Thomas E. Bellavance Honors Program of the Honors College at Salisbury University. Interested students should contact the FCC Honors Program Coordinator for further information.

### **Addictions Counseling**

Frederick Community College maintains an articulation agreement with Salisbury University for students who complete the Addictions Counseling degree transferring into the Social Work program at Salisbury University. Students must maintain a minimum GPA of 2.0 to be eligible. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Exercise Science**

Frederick Community College maintains an articulation agreement with Salisbury University for students who complete the Exercise Science degree transferring into the Community Health program at Salisbury University. Students must maintain a minimum GPA of 2.0 to be eligible. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Human Services**

Frederick Community College maintains an articulation agreement with Salisbury University for students who complete the Human Services degree transferring into the Social Work program at Salisbury University. Students must maintain a minimum GPA of 2.0 to be eligible. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Pre-Health Professions**

Frederick Community College maintains an articulation agreement with Salisbury University for students who complete the Pre-Health Professions degree transferring into the Community Health program at Salisbury University. Students must maintain a minimum GPA of 2.0 to be eligible. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Psychology**

Frederick Community College maintains an articulation agreement with Salisbury University for students who complete the Psychology degree transferring into the Social Work program at Salisbury University. Students must maintain a minimum GPA of 2.0 to be eligible. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Social Science**

Frederick Community College maintains an articulation agreement with Salisbury University for students who complete the Social Science umbrella degree transferring into the Social Work program at Salisbury University. Students must maintain a minimum GPA of 2.0 to be eligible. For more information, contact Career and Academic Planning Services at 301.846.2471.

### **Sociology**

Frederick Community College maintains an articulation agreement with Salisbury University for students who complete the Sociology degree transferring into the Social Work program at Salisbury University. Students must maintain a minimum GPA of 2.0 to be eligible. For

more information, contact Career and Academic Planning Services at 301.846.2471.

## Shenandoah University

Students having completed their Associate degree with a minimum GPA of 2.5 will be given priority consideration for admission to Shenandoah University. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Shepherd University

### Dual Admission

Frederick Community College has a dual admission agreement with Shepherd. Students enrolled in the dual admission program will be guaranteed admission to Shepherd with a cumulative FCC GPA of 2.800 or higher and at least 30 FCC college credits. Students will also receive a tuition discount when they continue their studies at Shepherd if they meet these dual admission requirements. For more information about how to enroll in this program, contact Career and Academic Planning Services at 301.846.2471, or the Admissions Office at Shepherd at 304.876.5212, [www.shepherd.edu/admweb/apply/FCC](http://www.shepherd.edu/admweb/apply/FCC) (<http://www.shepherd.edu/admweb/apply/FCC/>).

### Business

Frederick Community College maintains an articulation agreement with Shepherd University for students who complete their A.A. in Business Administration or their A.A.S. in Business Management to complete their bachelor's degree and M.B.A. in three additional years after graduation. Students must maintain a minimum GPA of 2.0 and enroll at Shepherd University within a year of graduation from FCC. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Graphic Design

Frederick Community College maintains an articulation agreement with Shepherd University for students who complete their A.A.S. in Graphic Design to transfer into the B.F.A program in Graphic Design program at Shepherd University. Students must maintain a minimum GPA of 2.0 to be eligible. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Nursing

Frederick Community College maintains an articulation agreement with Shepherd University for students who complete their A.S. in Nursing to transfer to the B.S.N at Shepherd University. Students must maintain a minimum GPA of 2.7 to be eligible. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Shippensburg University Dual Admission

Frederick Community College has a dual admission agreement with Shippensburg. Students may complete one application to be admitted to both institutions. Students enrolled under dual admission also receive a significant tuition reduction when they continue their study at Shippensburg. For more information, contact Shippensburg at 800.822.8208 or e-mail at [ad-miss@ship.edu](mailto:ad-miss@ship.edu).

## St. Mary's College of Maryland

### Guaranteed Admission

The Guaranteed Admission Transfer Agreement is designed to facilitate FCC students' ease of transfer to St. Mary's College of Maryland (SMCM). FCC students graduating with a minimum cumulative grade-point average

(GPA) of 3.000 and meet the criteria outlined in the agreement are guaranteed admission to SMCM. For further information, contact Career and Academic Planning Services at 301.846.2471.

### Honors College

Frederick Community College maintains a Memorandum of Understanding (MOU) with St. Mary's College for students enrolled in FCC Honors Program. The purpose of this agreement is to acknowledge the scholastic accomplishments of FCC honors students by accepting up to 70 credits to facilitate seamless transition. Interested students should contact the FCC Honors Program Coordinator for further information.

## Stevenson University

### Addictions Counseling

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the addictions counseling program transferring to the Counseling & Human Services program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward degree fulfillment of the 120 credit hours in the bachelor program. Only courses in which students have earned a "C" or better are eligible for transfer and students must maintain a 2.5 GPA or higher in all previous course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Biology

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Biology program at FCC transferring to the Biology program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit corresponding program. Only courses in which students earn a grade of "C" or better are eligible for transfer. Students must maintain a 2.5 cumulative GPA or higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Business Administration

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Business Administration program at FCC transferring to the Business Administration program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit corresponding program. Only course with a "C" or better are eligible to transfer. Students must maintain a 2.5 cumulative GPA or higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Criminal Justice

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Criminal Justice program at FCC transferring to the Criminal Justice program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit corresponding program. Only courses with a grade of "C" or better are eligible for transfer. Students must maintain a 2.5 cumulative GPA or higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Cybersecurity

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Cybersecurity program at FCC

transferring to the Digital Forensics program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit corresponding program. Only courses in which students earn a grade of "C" or better are eligible for transfer. Students must maintain a 2.5 cumulative GPA or higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## English

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Information English Area of Concentration at FCC to the English program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit Computer Science program. Only courses with a grade of "C" or better are eligible for transfer. Students must maintain a 2.0 cumulative GPA of higher in all prior college course work.

## Graphic Design

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Arts & Humanities degree with an Area of Concentration in Graphic Design to the Graphic Design program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit corresponding program. Only courses in which students earn a grade of "C" or better are eligible for transfer. Students must maintain a 2.5 cumulative GPA or higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Human Services

A maximum of 70 credit hours from FCC will be allowed toward degree fulfillment of the 120 credit hours in the bachelor program. Only courses in which students have earned a "C" or better are eligible for transfer and students must maintain a 2.5 GPA or higher in all previous course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Information Systems Management

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Information Systems Management program at FCC to the Computer Science program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit Computer Science program. Only courses with a grade of "C" or better are eligible for transfer. Students must maintain a 2.0 cumulative GPA of higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Legal Studies

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Paralegal program at FCC transferring to the Legal Studies program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit computer science program. Only courses with a grade of "C" or better are eligible for transfer. Students must maintain a 2.5 cumulative GPA or higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Nursing

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Pre-Health Professions

program at FCC transferring to the traditional Nursing Program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward fulfillment of the 125 credit hours required for baccalaureate completion. Only courses in which the students earn a grade of "C" or better are eligible for transfer. Students must maintain a cumulative GPA of 3.000 or higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Psychology

Frederick Community College maintains an articulation agreement with Stevenson University for graduates of the Psychology program at FCC transferring to the Psychology program at Stevenson University. A maximum of 70 credit hours from FCC will be allowed toward the fulfillment of the 120 credit Psychology program. Only courses with a grade of "C" or better are eligible for transfer. Students must maintain a 2.5 cumulative GPA or higher in all prior college course work. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Towson University

### Nursing

The purpose of this agreement is to enhance and maintain the relationship between FCC students and TSU by offering dual enrollment to TSU. Students who have been accepted to FCC's Nursing Program or who have completed the Associate Degree in Nursing at FCC and have an unencumbered RN license in the United States or are qualified to complete their state RN licensure exam and have completed the majority of prerequisite course work and general education requirements are eligible for dual enrollment. For further information, contact Jennifer McAninley, Academic Advisor at FCC, 240.629.7935.

### Electronic Media and Film

Students completing the A.A. in Digital Media Design may transfer into Towson University's Electronic Media and Film: Film/Video/Digital Media Concentration with junior status. For more information, contact Career and Academic Planning Services at 301.846.2471, or the program coordinator at Towson.

### Honors

Frederick Community College maintains a Memorandum of Understanding (MOU) with Towson University for students enrolled in the FCC Honors Program. The purpose of this MOU is to acknowledge the scholastic accomplishments of FCC Honors students and to facilitate a seamless transition from the FCC Honors Program to the Honors College at Towson University. Interested students should contact the FCC Honors Program Coordinator for further information.

## Universities at Hagerstown

The Universities at Hagerstown follow a new model in education that was originally created through the Universities at Shady Grove. Various degree programs are offered at a location accessible to students in the Western Maryland region. Students seeking to complete a bachelor's degree after attending Frederick Community College will find bachelor's degree programs offered by a number of Maryland State colleges at the Universities at Hagerstown. For more information, visit the website at [www.hagerstown.usmd.edu](http://www.hagerstown.usmd.edu) (<http://www.hagerstown.usmd.edu>).

## Universities at Shady Grove

The Universities at Shady Grove is a new model in education, offering a variety of degree programs in an accessible Montgomery County location. Students seeking to complete a bachelor's degree after attending Frederick Community College will find bachelor's degree programs offered by a number of Maryland State colleges at Universities at Shady Grove. For more information, visit the website at [www.shadygrove.umd.edu](http://www.shadygrove.umd.edu) (<http://www.shadygrove.umd.edu>).

## University of Baltimore

### Health Systems Management

Frederick Community College maintains an articulation agreement with the University of Baltimore which allows graduates of the FCC A.A.S. programs in Respiratory Care and Surgical Technology to transfer to the University of Baltimore Bachelor of Science in Health Systems Management program. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Legal Studies

Frederick Community College maintains an articulation agreement with the University of Baltimore which allows graduates of the FCC A.A.S. program in Paralegal to transfer to the University of Baltimore Bachelor in Legal Studies program. For more information, contact Career and Academic Planning Services at 301.846.2471.

## University of Maryland at Baltimore

### Nursing

The purpose of this agreement is to enhance and maintain the relationship between FCC students and the University of Maryland School of Nursing (UMSON) by offering dual admission to UMSON. Students who have been accepted to the FCC Nursing Program or who have completed the Associate Degree in Nursing at FCC and have an unencumbered RN license in the United States or are qualified to complete their state RN licensure exam and have completed the majority of prerequisite course work and general education requirements are eligible for dual enrollment. For further information, contact Jennifer McAninley, Academic Advisor at FCC, 240.629.7935.

## University of Maryland-Baltimore County

### Transfer Student Alliance

The purpose of this agreement is to enhance and maintain the relationship between FCC students and the University of Maryland-Baltimore County (UMBC). The Transfer Student Alliance (TSA) offers students guaranteed admission, access to scholarships, and housing if they agree to attend UMBC. The agreement is designed for students who state their desire to attend UMBC with 12 to 35 college-level credits and a 3.0 GPA or higher. For more information about the TSA, contact Career and Academic Planning Services at 301.846.2471.

### Human Services

The purpose of this agreement is to enhance and maintain the relationship between FCC students and the University of Maryland-Baltimore County (UMBC). The agreement allows Associate of Arts in Social Science, Area of Concentration in Human Service students to transfer a maximum of 60 credits and all general education courses to UMBC. Additionally, it provides transferring students eligibility to scholarships. For more information, contact Career and Academic Planning Services at 301.846.2471.

## Translational Life Science Technology

The purpose of this agreement is to enhance and maintain the relationship between FCC students and the University of Maryland-Baltimore County (UMBC). The agreement allows STEM and Biology students to transfer a maximum of 60 credits and all general education courses to UMBC. Additionally, it provides transferring students eligibility to scholarships. For more information, contact Career and Academic Planning Services at 301.846.2471.

## University of Maryland College Park

### Transfer Advantage Program

The Maryland Transfer Advantage Program (MTAP) guarantees admission to the University of Maryland at College Park or a University of Maryland, College Park program at the Universities at Shady Grove (USG) within one year of completion of the Associate degree or, in the case of College Park, completion of 30 credits of coursework (15 credits of which must be completed at FCC) with a minimum 3.0 GPA. MTAP students may also be eligible for a 25% course-tuition-scholarship for one UMD course per term. For more information, contact Career and Academic Planning Services at 301.846.2471.

## University of Maryland College Park at Shady Grove

### Biological Sciences

FCC Students who earn the A.S. in STEM, following the prescribed curriculum as outlined in the course matrix, will be able to pursue the third and fourth years of the Bachelor of Science in Biological Sciences from the University of Maryland College Park at the Universities at Shady Grove. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Business Administration

FCC students who earn the A.A. in Business Administration following the prescribed curriculum as outlines in the course matrix, will be able to pursue the third and fourth years of the Bachelors of Sciences in Accounting, International Business, Marketing, or Management from the University of Maryland College Park at the Universities at Shady rove. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Communication

FCC Students who earn their Associates degree, following the prescribed curriculum as outlined in the course matrix for communications, will be able to pursue the third and fourth years of the Bachelor of Arts in Communications from the University of Maryland College Park at the Universities at Shady Grove. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Computer Science

FCC Students who earn their Associates degree, following the prescribed curriculum as outlines in the course matrix for computer science, will be able to pursue their third and fourth years of the Bachelor of Science in Information Science from the University of Maryland College Park at the Universities at Shady Grove. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Criminal Justice

FCC Students who earn the A.A. in Criminal Justice, following the prescribed curriculum as outlined in the course matrix, will be able to

pursue the third and fourth years of the Bachelor of Arts in Criminology and Criminal Justice from the University of Maryland College Park at the Universities at Shady Grove. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Information Systems Management

FCC Students who earn their Associates degree, following the prescribed curriculum as outlines in the course matrix for information systems management, will be able to pursue their third and fourth years of the Bachelor of Science in Information Science from the University of Maryland College Park at the Universities at Shady Grove. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Public Health Science

FCC students who earn the A.A. in General Studies or the A.S. in STEM, following the prescribed curriculum as outlined in the course matrix, will be able to pursue the third and fourth years of the Bachelor of Science Degree in Public Health Sciences from University of Maryland College Park at the Universities at Shady Grove. For more information, contact Career and Academic Planning Services at 301.846.2471.

### UMGC Alliance

Frederick Community College and University of Maryland Global Campus have formed an alliance that offers dual admission to both institutions. The alliance allows for a seamless education from associate's to bachelor's degrees in majors like computer science, information systems management, bioprocessing, business administration, police science, paralegal, history, psychology, criminal justice, investigative forensics, political science, human services, and sociology. Once students complete the Alliance application, they are admitted to both FCC and UMG. Alliance students have the benefit of full library privileges and other resources at both institutions. For more information, contact Career and Academic Planning Services at 301.846.2471 or visit the UMG website at [www.umgc.edu](http://www.umgc.edu) (<http://www.umgc.edu>). Under Community Colleges, click on Maryland Community Colleges and then go to Frederick Community College Information.

### University System of Maryland

The state of Maryland has a unique computerized articulation system, called ARTSYS, which outlines individual course equivalencies and recommended transfer programs for every two-year and four-year institution within the University System of Maryland (which includes UMBC, UMCP, Frostburg, Towson, Salisbury, and others). Articulation information for some private colleges like Hood and McDaniel is also accessible through ARTSYS. Students can access ARTSYS at <http://artweb.usmd.edu>. For additional transfer information, students can visit the Maryland Transfer website Transfer Course Database ([umd.edu](http://umd.edu)) (<https://app.transfercredit.umd.edu/>). Students are encouraged to meet with a counselor regarding their transfer plans. Contact Career and Academic Planning Services at 301.846.2471 for an appointment.

### West Virginia University

In an effort to enhance and maintain the relationship between Frederick Community College and West Virginia University, transfer students with a grade point average of at least 2.0 from FCC are guaranteed admission to West Virginia University. For more information, contact Career and Academic Planning Services at 301.846.2471.

### Wilson College

In an attempt to create more diverse opportunities for our transferring students, Frederick Community College has entered into an agreement with Wilson College in Chambersburg, Pennsylvania. This agreement supports an effort to provide equal access to admission, registration, and financial aid at Wilson College for FCC graduates. This agreement also proposes the development of articulated programs of study for ease of transfer, which will recognize the general education requirements completed at FCC. For more information, contact the Office of Admission in the College for Women at 800.421.8402 or the College for Continuing Education at 800.421.4796.

### Transferring in Credits

Credit may be granted for coursework completed at accredited colleges and universities. Transfer courses must apply to the student's program of study. (See Transfer Agreements (p. 33) for requirements.)

### Air Force Office Training Corps (AFROTC)

FCC is a crosstown partner with the Air Force ROTC unit at University of Maryland College Park. Air Force ROTC is a college program that allows students to earn their degree while training to become an Air Force officer. AFROTC offers challenges and benefits unique among student organizations and training programs on a college campus. Students receive invaluable leadership training, are involved in community events, and visit active-duty Air Force bases as part of the program.

Additionally, all course materials and uniform items needed for the AFROTC courses are provided at no cost, and students can compete for scholarships to help pay tuition. Most importantly, the program can lead to an exciting career in the U.S. Air Force. For more information, visit [www.afrotc.umd.edu](http://www.afrotc.umd.edu) (<http://www.afrotc.umd.edu>), send an email to [afrotc330@umd.edu](mailto:afrotc330@umd.edu), or call the UMCP Campus at 301.314.3242 or contact Counseling & Advising at 301.846.2471.

FCC recognizes the value of AFROTC courses. As a Crosstown Partner with the University of Maryland College Park's AFROTC unit, FCC will accept credit for the following AFROTC courses completed in UMCP's AFROTC program (see chart below).

AFROTC Course	FCC Courses	Credits
ARSC 059 (if taken as a single course)	Physical Education Elective (PHED ELECT)	1
ARSC 059 (if taken three times)	PHED 165 – Fitness for Living	3

In addition, FCC will award credit for the following courses that do not have corresponding UMCP course numbers (see chart below).

UMCP Course	FCC Courses	Credits
ARSC 100	General Elective Credit	1
ARSC 101	General Elective Credit	1
ARSC 200	General Elective Credit	1
ARSC 201	General Elective Credit	1

### Federal Emergency Management Agency (FEMA) Courses

FCC evaluates and grants academic credit for eligible FEMA Independent Study (IS) courses. Courses developed by FEMA are available to be

completed online for Continuing Education units (CEUs). Upon successful completion of a course, students can convert their CEUs to academic credit at a cost of \$90 per credit hour (subject to change).

Students wishing to pursue a Letter of Recognition, Certificate, or A.A.S. in Emergency Management from Frederick Community College are required to complete several online courses through FCC, in addition to completing and converting their FEMA coursework to college credit. These online FCC courses are instructor-led experiences designed to validate student knowledge, earn letter grades, and acquire a GPA. Online FCC courses in this program occur during five-week periods, according to the academic calendar. See the FCC website at [frederick.edu/fema](http://frederick.edu/fema) (<http://frederick.edu/fema/>) for more information. Also, see the Emergency Management academic program offerings (p. 110)).

## High School Agreements

### FCC/FCPS Agreement

Frederick Community College and Frederick County Public Schools have an articulation agreement that awards college credit for selected Frederick County Public Schools coursework. To receive credit for these courses, students must have earned a specific grade as designated in the agreement active the year they graduate from high school. The FCPS graduate must initiate the request for credit within two years of their graduation from high school. Students must submit an official high school transcript. Additional information is available from FCC Registration & Records or from Frederick County high school counseling offices.

### FCC/CCPS Agreement

Frederick Community College and Carroll County Public Schools have an articulation agreement that awards college credit for selected Carroll County Public Schools coursework. To receive credit for these courses, students must have earned a specific grade as designated in the agreement active the year they graduate from high school. The CCPS graduate must initiate the request for credit within two years of their graduation from high school. Students must submit an official high school transcript. Additional information is available from the FCC Registration and Records Office or from Carroll County high school guidance offices.

### FCC/WCPS Agreement

Frederick Community College and Washington County Public Schools have an articulation agreement that awards college credit for selected Washington County Public Schools coursework. To receive credit for these courses, students must have earned a specific grade as designated in the agreement active the year they graduate from high school. The WCPS graduate must initiate the request for credit within two years of their graduation from high school. Students must submit an official high school transcript. Additional information is available from the FCC Registration & Records Office or from Washington County high school guidance offices.

## Maryland State Department of Education

Frederick Community College and the Maryland State Department of Education have an articulation agreement that awards college credit for course EMGT 101 Disaster, Crisis, and Emergency Management to Maryland Public High School students who successfully complete the CTE program in Homeland Security & Emergency Preparedness. Additional credit may be awarded depending on which program pathway(s) a student has completed. Students must submit an official

high school transcript and a letter from their high school that verifies program completion. Additional information is available from FCC Registration & Records or the student's high school guidance office.

## USM/College & University

For students transferring from any University System of Maryland (USM) college, all applicable general education coursework with a grade of "D" or above will be accepted in transfer. For non-general education coursework from a USM college, grades of "D" will be accepted only if the calculated GPA for the block of non-general education transfer courses is 2.000 or higher. Grades of "D," however, will not be accepted for any course within a program of study that requires a grade of "C" or higher. A grade of "D" can be used to fulfill a prerequisite unless the prerequisite requires a grade of "C" or higher.

## Other College Credit

For students transferring from outside of the University System of Maryland, grades of "D" will be accepted only if the cumulative grade point average from that institution is 2.000 or higher. Grades of "D," however, will not be accepted for any college course within a program of study that requires a "C" or higher. A grade of "D" can be used to fulfill a prerequisite unless the prerequisite requires a grade of "C" or higher.

## Ways to Earn Credit at FCC

### Standard Format Classes

Most day classes are offered in a twice-a-week format, e.g., MW, TTh, for 1.25 hours each. Some day classes are offered in 2.5 hour blocks for one day only (e.g., F, 8:00-10:30 a.m.). Evening classes are generally offered in 2.5 hour blocks; times vary.

### Non-Standard/Accelerated Format Classes

Some classes are offered in an accelerated format, from two to thirteen weeks in length. These classes will meet for up to four hours at a time. Many accelerated format classes require outside-of-class online assignments or group meetings.

### Independent Study

An independent study permits students to follow individual interests beyond the limits of a more formalized course. It also encourages self-discipline and scholarly development.

Students interested in independent study classes can apply by obtaining an independent study application from the Provost/Executive Vice President, Academic Affairs, Continuing Education, and Workforce Development or appropriate department chair and contacting a faculty member who is willing to supervise the independent study. Completed independent study forms must be submitted to the Registration & Records Center in Jefferson Hall. For more information, please contact the program manager or department chair.

### Internship

The internship program allows students to gain work experience as well as earn academic credit for structured learning that occurs through full-or-part time employment related to their academic majors.

To be eligible, students must have met the following guidelines:

1. Be enrolled in an eligible FCC program
2. Have a minimum 2.0 grade point average
3. Be approaching their last 15 credits in their college program
4. Requirements: Internship credits can be earned through either part-or-gull-time employment in a position directly related to the student's major. Part-time employment (paid or unpaid) is normally carried on concurrently with full-or-part-time school enrollment. Hours of employment may vary, according to the type of position. Full-time employment under the internship program is normally carried out while attending school part-time. A written assignment is completed based on work experience. A faculty member, selected by the program manager or department chair, will approve the assignment, assist with the development of student outcome goals, maintain contact with the work site, and assign a grade at the end of the semester. Grades are based on the student's completion of outcome goals, work experience, evaluation, and the employer's evaluation.

Go to [www.marylandonline.org](http://www.marylandonline.org) (<http://www.marylandonline.org>) for more information.

## International Education

The College provides opportunities for faculty, staff, and students to enhance their cultural competence and building their global awareness by providing on and off campus learning experiences, including credit and non-credit international travel experiences. FCC is a part of the state-wide Maryland Community College International Education Consortium (MCCIEC) which offers short-term credit and Continuing Education trips. Check out the [studyabroadmaryland.org](http://studyabroadmaryland.org) (<http://studyabroadmaryland.org/>) website to learn more details about these short-term options. For information on all international education choices, consult the college website.

## Course Blackboard Requirements

All course sections require access to Blackboard at <https://frederick.blackboard.com>. Students are expected to be able to access Blackboard via the internet using personal, public, or available college computers. Online course work will be required for some web-enhanced classes. Consult the instructor regarding expectations for participation in the course website. Course websites may host learning resources including required reading and assessments. Blackboard access is also required to complete course evaluations. Google Chrome is the preferred browser.

## Distance Learning Opportunities

Students who find it difficult to attend courses on campus may consider distance-learning options offered by the college.

**FCC hybrid and online options**—Frederick Community College offers two types of distance education courses: Online and Hybrid. Hybrid courses require students to attend class sessions on campus, Online courses do not. However, all Online courses require at least proctored assessment which may require a student to visit an approved testing center.

**Online courses** refers to a course taught entirely Online. Instructor-student communication is facilitated by electronic technologies. Online classes require at least one proctored assessment with a student picture ID. Not all FCC courses are offered Online. Students who require an Online course that is not available at FCC should contact the Online Learning and Instructional Innovation Office to see if the course is available through MarylandOnline.

**Hybrid courses** refers to a course in which Online activity is mixed with classroom meetings, replacing a percentage of face to face instruction.

Both Online and Hybrid courses are taught on Blackboard and require the student to have off-campus Internet access with an Internet Browser such as Google Chrome or Mozilla Firefox.

**MarylandOnline**—MarylandOnline is a statewide consortium dedicated to championing distance learning in Maryland. Through collaboration among Maryland community colleges, colleges, and universities, MarylandOnline gives students access to statewide articulated courses, certificates, and degree programs offered via distance education. MarylandOnline enhances the quality and availability of higher education for the citizens and employers of Maryland and for students worldwide.

# TUITION AND FEES

Tuition rates are subject to change.

\* The information below shows the current tuition and fee rates for the 2020-2021 academic year. The rates are subject to change and will be posted on the website once they are approved. To view tuition rates, visit [frederick.edu/tuition](http://frederick.edu/tuition) (<http://frederick.edu/tuition/>).

## 2021-2022 Credit Tuition and Fees Chart

Credits	In-County	Out-of-County	Out-of-State
1	\$158.34	\$311.34	\$411.34
2	\$316.68	\$622.68	\$822.68
3	\$475.02	\$934.02	\$1,234.02
4	\$633.36	\$1,245.36	\$1,645.36
5	\$791.70	\$1,556.70	\$2,056.70
6	\$950.04	\$1,868.04	\$2,468.04
7	\$1,108.38	\$2,179.38	\$2,879.38
8	\$1,266.72	\$2,490.72	\$3,290.72
9	\$1,425.06	\$2,802.06	\$3,702.06
10	\$1,583.40	\$3,113.40	\$4,113.40
11	\$1,738.40	\$3,421.40	\$4,521.40
12	\$1,893.40	\$3,729.40	\$4,929.40
13	\$2,048.40	\$4,037.40	\$5,337.40
14	\$2,203.40	\$4,345.40	\$5,745.40
15	\$2,358.40	\$4,653.40	\$6,153.40
16	\$2,513.40	\$4,961.40	\$6,561.40

\* *Tuition and fees rates are subject to change.*

### Tuition\*

Fee	Amount
In-County per credit hour	\$129
Out-of-County per credit hour	\$282
Out-of-State per credit hour	\$382

### Consolidated Service Fee (\$26.00)

Every student taking a credit course will be required to pay a consolidated service fee per credit hour. The consolidated service fee supports costs associated with registration, copies of transcripts received directly from the College via a paper request form, commencement, various instructional and support services, technology costs, capital expenditures including capital improvements, parking, maintenance and repair of College equipment/systems, and safety and security needs.

### Student Activity Fee (\$3.34)

The Student Activity Fee is a fee charged to all credit students each academic term. The revenue generated goes into a special account administered by the Student Government Association to fund social, recreational, and cultural events, campus clubs and student organizations, authorized student travel and service trips, and annual signature student events such as New Student Convocation, Success Week, Welcome Week, and Wellness Events. The fee is charged on a credit hour basis for up to a maximum of 10 credit hours.

### Additional Fees <sup>1</sup>

Fee	Amount
Credit by Portfolio (per credit hour)	50% of tuition
Credit by Departmental Exam (per credit hour)	50% of tuition
American Sign Language Immersion Experience (ASLS 250)	\$120
Applied Music Fee (per class)	\$490
<b>Building Trades</b>	
HVAC and Electrical (per class)	\$71.40
Welding (per class)	\$100
Culinary Arts (per class) <sup>2</sup>	\$121
<b>Expedited Transcripts Fee</b>	
Expedited service for e-transcripts delivered electronically	\$5.00
Expedited service for printed transcripts delivered by USPS	\$7.50
FEMA Conversion Fee (per credit hour, subject to change)	\$90
EMGT Track I Registration Fee (per course)	\$100
Nursing Program – Assessment Technology Institute (ATI) Fee	\$293.36
<b>Physical Education Fees<sup>3</sup></b>	
<b>Surgical Technology Fees<sup>4</sup></b>	

<sup>1</sup>

In special cases, the College may charge additional fees. Some classes may charge additional fees for equipment or materials.

<sup>2</sup>

Please refer to the specific HCTI course. Some courses require a chef uniform and basic knife or pastry set.

<sup>3</sup>

Please refer to the specific PHED course for fees that may be payable to the site where the class meets.

<sup>4</sup>

Please refer to the specific SURG course for fees that may be required.

Students are responsible for the purchase of textbooks and other materials for each class. The average cost is about \$150 per course.

In special cases the college may charge additional fees. These fees will be printed in the academic schedule each semester.

## Explanation of Student Tuition & Fee Charges

Tuition and fees partially cover the cost of a student's education. While students contribute a substantial amount toward the cost of attendance at FCC through the tuition and fee charges listed above, the majority of funding for a student's education is provided by Frederick County and the State of Maryland.

### Tuition

Tuition charges are the primary source of student revenue and partially offset the cost of instruction at FCC. Tuition is charged based on each

credit hour. Out-of-county and out-of-state students are charged higher tuition rates per credit hour to offset state and county funding provided.

### Special Fees for Recreation, Skiing & Other Courses

The college charges special fees for courses that require significant out-of-classroom experiences which generate additional expenses. The skiing course requires skis and lift tickets. Please refer to the specific PE course for other fees that may be payable directly to the site where the class meets. Some courses may require field trips which may also incur minimal fees.

## Continuing Education & Workforce Development (non-credit) Tuition

Continuing Education courses are individually priced. Refer to the current Continuing Education class schedule for tuition and fees for each class.

Fee	Amount
Out-of-County fee per course	\$5.00
Out-of-State fee per course	\$10.00
One-time per year Registration fee	\$9.00

## Books and Supplies

Students are responsible for getting required texts and/or materials for courses. The average cost per course to purchase books is about \$150.

Book and course material information is available on the Bookstore's website, bookstore.frederick.edu (<http://bookstore.frederick.edu>).

Books and other course materials can be purchased, and sometimes rented, in the Bookstore. Books can also be ordered and paid for through the Bookstore's web site to be shipped to you or held for pick up in the store.

With the student's approval, books and supplies can be charged at the FCC Bookstore against available financial aid. Financial aid awards do not, however, automatically cover the costs of books and supplies.

A textbook payment plan is available to students using the tuition payment plan. Students who are using the tuition payment plan are automatically eligible to use the textbook payment plan.

## Schedule of Payments

All tuition charges and fees must be paid by the scheduled due date. Acceptable payment methods include cash, check, money order, credit cards (Discover, Visa, MasterCard, and American Express). FCC also participates in a deferred tuition payment plan for fall, spring, and summer semesters.

Checks and money orders should be made payable to Frederick Community College. They should include the student's name and I.D.

## Financial Responsibility

Students are individually responsible for payment of tuition, fees and all other charges at FCC. If the college does not receive payment from third parties, students will be billed directly for all charges and are expected to pay.

Stopping payment on checks written to FCC to cover tuition and fees does not relieve students of their responsibility to pay for incurred charges. Students must follow the designated procedure for withdrawing from classes and obtaining tuition refunds. Outstanding financial

balances must be paid before future registration is permitted, grades are released, or enrollment certifications, diplomas or transcripts are issued.

## Tuition Payment Requirements

Tuition and fees payment deadlines are listed in the schedule of classes. Failure to make a payment by the applicable deadline could result in being dropped from all classes. During peak registration, refunds may be delayed until after the add/drop period. Please ensure that your account is paid in full by the applicable deadlines. View your account online at [www.frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>) or at the Student Accounts Office. Please note it is the responsibility of the student to drop/change classes and not the responsibility of the college.

## Deferred Tuition Payment Plan

The college offers a payment plan to assist students with tuition. The plan is called Nelnet, and for a minimal fee, tuition costs will be paid automatically in monthly installments from either a checking account or credit card. Students who enroll early benefit from more installments. Students are required to sign up online at [www.frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>). For more information, contact the Student Accounts Office.

FCC's Deferred Tuition Payment Plan is available for some Continuing Education courses. For more information, call 301.846.2456.

## Tuition Sponsorship by a Third Party

Students are responsible for all tuition and fees. If a third party such as, but not limited to, a federal, state, or municipal government agency or employer agrees to pay tuition and fees, students are not relieved of their primary responsibility. In the event that such a party fails to honor its agreement, Frederick Community College reserves the right to bill students directly.

# Determination of Residence for Tuition Purposes Policy and Procedures (formerly Residency Policy and Procedures)

Check the college website, frederick.edu (<https://www.frederick.edu/current-students/required-communications/student-policies-procedures.aspx>), for the most up-to-date student policies and procedures.

## I. Philosophy and Scope

The determination of residency or domicile is governed by the Frederick Community College Board of Trustees in accordance with Maryland State and Federal law. A student's residence for tuition determination is assessed at the time they apply to the College. The burden of proof of residency is to be upon the student, and they will be required to certify by signature to the accuracy of the information provided to the College.

As an open-admission institution, Frederick Community College grants admission to all students regardless of citizenship or immigration status.

Students' tuition rate will either be in-county, out-of-county, or out-of-state for tuition purposes. The following procedure applies to both full and part-time students. (See related Tuition and Fees Policy and

Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/tuition-fees.aspx>.)

A student's determined residency status will be used in the evaluation process for Selective Admission Programs.

## II. Definitions for the Purpose of this Policy and Procedures

- A. **"Domicile"** refers to the permanent place of abode, where physical presence and possessions are maintained with the intention of remaining indefinitely; or the permanent place of abode of any person or persons contributing more than ½ of the student's financial support during the most recently completed year. Only one domicile may be maintained by a student.
- B. **"Maryland resident"** refers to an individual who has maintained a domicile in Maryland for at least three (3) months before enrolling in a course(s).
- C. **"Student"** refers to an individual who is registered at the College, either full or part-time, in a credit or continuing education class or classes, who has either paid or made arrangement for payment of tuition and/or fees.
- D. **"Military Personnel"** refers to service members who are part of the Maryland National Guard, Reserves, or an active-duty unit.
- E. **In-County:**
  1. **"Non-dependent Maryland resident students"** refers to in-county residents if, at the time of their application, are domiciled in Frederick County for three (3) consecutive months prior to application.
  2. **"Dependent Maryland resident students"** refers to an unmarried individual claimed by parent(s) or guardian(s) as an income tax exemption in the previous taxable year and are considered to be "in-county" residents if, at the time of their application, their parent(s) or guardian(s) are domiciled in Frederick County for three (3) consecutive months prior to application.
- F. **Out-of-County:**
  1. **"Non-dependent Maryland resident students"** refers to out-of-county residents in the State of Maryland if, at the time of their application, they are domiciled in another county in the State of Maryland, or if they have lived in Frederick County less than three months.
  2. **"Dependent Maryland resident students"** refers to out-of-county residents in the State of Maryland if, at the time of their application, their parent(s) or guardian(s) are domiciled in another county in the State of Maryland, or if they have lived in Frederick County less than three months.
- G. **Out-of-State:**
  1. **"Non-dependent students"** refers to residents of another state if, at the time of their application, they are domiciled outside of the State of Maryland, or if they have lived in Frederick County less than three months.
  2. **"Dependent students"** refers to residents of another state if, at the time of their application, their parent(s) or guardian(s) are domiciled outside of the State of Maryland, or if they have lived in Frederick County less than three months.
  3. **"Non-U.S. Citizens"** refers to students who indicated that they are not U.S. Citizens. At the time of application, they are coded out-of-state but may be eligible for in-state or in-

county tuition. (See section IV. International and Foreign National Students.)

## III. Responsible Senior Leader and Responsible Office

Vice President for Learning Support  
Office of the Vice President for Learning Support

## IV. Entities Affected by this Policy and Procedures

FCC students

## V. Veterans, Military Personnel, and their Family Members

### A. Military Personnel and their Family Members

1. Military personnel who are stationed, living, or domiciled in Maryland, and their spouses and dependents, are considered residents of Frederick County and granted in-county tuition. If the service member moves out of the state, the service member, dependents, and spouse remain eligible for in-county tuition as long as they stay continuously enrolled in courses at the College. All verification documentation can be submitted by email to Veteran and Military Services at [veterans@frederick.edu](mailto:veterans@frederick.edu).
2. Individuals who have relocated to Maryland as a result of the Base Realignment and Closure process (BRAC), will be granted a waiver of the three (3) months residency requirement. The individual or their family member must present a letter from an employer on company letterhead, confirming that their relocation to Maryland and/or Frederick County was a result of the BRAC process to Registration and Records in person to Jefferson Hall or by email to [registration@frederick.edu](mailto:registration@frederick.edu). For purposes of determining tuition rates, eligible individuals and dependents will be treated as in-county residents if they locate in Frederick County; they will be treated as out-of-county but in-state residents if they locate outside of Frederick County but within Maryland.

### B. Veterans and their Family Members

Any veteran or service member using the Post-9/11 G.I. Bill (Chapter 33), Montgomery G.I. Bill-Active Duty (Chapter 30), or Veteran Readiness and Employment (Chapter 31) who enrolls in courses at the College following a period of active duty service of 90 days or more is considered a Frederick County resident and granted in-county tuition regardless of their formal state of residence.

Any dependent or spouse using transferred Post-9/11 G.I. Bill benefits (Chapter 33), Dependents' Education Assistance (Chapter 35), or the Marine Gunnery Sergeant John David Fry Scholarship, is considered a Frederick County resident and granted in-county tuition regardless of their formal state of residence.

Any veteran, spouse, and dependents (not using a VA education benefit) who are living or domiciled in Maryland are considered residents of Frederick County and granted in-county tuition. If the veteran moves out of the state, the veteran, spouse, and

dependents remain eligible for in-county tuition as long as they stay continuously enrolled in courses at the College.

## VI. International, Foreign National, and Immigrant Students

A foreign national lawfully eligible for study in the United States may be considered a resident for tuition purposes if the student meets the domicile requirements stated in this procedure. A foreign national lawfully admitted to the United States on a visa type with a corresponding "date-certain" authorized stay may not be considered a resident for tuition purposes. A foreign national lawfully eligible for study in the United States on certain visa types with an indeterminate authorized stay may be considered as a Maryland resident for tuition purposes, if the domicile requirements of this procedure have been satisfied.

The following visa status types determine residency as indicated:

Visa Type	Category	Residency
A	Diplomats, family, staff	In-County
B	Temporary visitor	See (c) below
C	Aliens in transit	Out-of-State
E	Treaty trader-Taiwan only	In-County
F	Student and dependents	Out-of-State
G	Representative of a world organization	In-County
H1 or H4	Temporary worker and dependents	In-County
H2 or H3	Other specialty workers	Out-of-State
I	Foreign media/journalist	In-County
J	Exchange visitor, Au pair, scholar	Out-of-State
K	Fiancé of U.S. citizen/Frederick County resident	In-County
L	Intra-company transferee	In-County
M	Foreign vocational students, dependents	Out-of-State
R	Religious worker	In-County
TN	Professionals under NAFTA agreement	Out-of-State
V	Spouse or child of permanent resident	In-County
Permanent Resident; Green Card; Refugee; Asylee		In-County

- A. Individuals in "B Temporary Visitor Status" are not allowed to engage in a course of study leading to a degree or academic certificate. In certain cases, B visa holders can participate in courses which are recreational and do not lead to a degree. Out-of-state tuition rates will apply.
- B. Students who are in the category of "Deferred Action Childhood Arrivals" (DACA), or "Temporary Protected Status" (TPS) are

eligible to establish in-state/in-county residency for tuition purposes. Being eligible for in-county or in-state tuition does not alter your immigration residency status. U.S. residency status is processed, determined, and completed by the U.S. government.

- C. In-county residency status for eligible "International/Foreign National Students" must meet the same three (3) months requirements and proof of residency documents as all other students.
- D. An individual's immigration status may not preclude award of MD residency under this policy if the individual has the legal capacity to establish domicile in Maryland.

## VII. Maryland Dream Act

- A. Students who have met the eligibility requirements outlined in the Maryland Dream Act will be granted the opportunity to receive in-county tuition. The student must present an affidavit to Registration and Records within the Enrollment Center located on the first floor of Jefferson Hall stating that they will file an application to become a permanent resident within 30 days of becoming eligible to do so.
- B. Students who live in Frederick County or in Maryland, and qualify for in-county or in-state tuition, as outlined by the Maryland Dream Act, will remain undocumented immigrants. U.S. residency status is processed, determined and completed by the U.S. government.

## VIII. Reclassification of Residency for Tuition Purposes

- A. Students requesting a reduced tuition rate based on change of address must submit proof of actual address change as defined in Section VI by completing the online "Change of Address" form. The proof of residency and "Change of Address" form can also be submitted in print by one of the following ways:
  - 1. in-person to Registration and Records within the Enrollment Center located in Jefferson Hall,
  - 2. through assigned "myFCC" email account by emailing registration@frederick.edu
  - 3. by fax (301.624.2799), or
  - 4. via U.S. postal mail to Registration and Records.
- B. Students requesting a reduced tuition rate based on Visa status can do so by completing the online "Tuition Rate Change" form. The "Tuition Rate Change" form can also be submitted in print by one of the following ways:
  - 1. in-person to Registration and Records within the Enrollment Center located in Jefferson Hall,
  - 2. through assigned "myFCC" email account by emailing registration@frederick.edu,
  - 3. by fax (301.624.2799), or
  - 4. via U.S. postal mail to Registration and Records.
- C. Request for change in residency classification for tuition purposes must be submitted prior to the "last day to add" for the first session for which the student is enrolled in order to be changed for that session. Residency determination for tuition purposes is term specific and not retroactive. A student who moves to a different residence during a semester and provides proof after the "last day to add" will have their residency adjusted for the following semester.
- D. If there has been a change of address that affects residency, tuition will be adjusted for the following semester as follows:

1. A student moving to a higher tuition rate based on their residency will have their residency determination for tuition purposes automatically changed to reflect their new residency status.
2. A student moving to a lower tuition rate based on their residency will bear the burden of proof of the new residency status.

## IX. Proof of Residency

In accordance with Maryland State and Federal Law, any of the following factors will be considered to be proof of legal residency:

- A. Substantially uninterrupted presence, including the months when the student is not in attendance at the college, as evidenced by ownership or rental of living quarters in which the student resides. (12-month lease or mortgage)
- B. Payment of Maryland state and local income taxes. (MD 502 Tax Form)
- C. Registration to vote in Frederick County and/or the state. (Voters Registration Card)
- D. Registration of a motor vehicle in the state, with a local address specified, if the person owns such a vehicle. (Motor Vehicle Registration Card)
- E. Possession of a valid Maryland driver's license, with a local address specified, if the person is licensed anywhere to drive a motor vehicle, or a valid Maryland MVA-issued ID. (Driver's license or MVA issued ID card)
- F. Active duty military personnel, honorably discharged veterans, spouses and dependents who reside, are stationed, or domiciled in Maryland are exempt from the 3-month requirement and are considered in-county once proof is shown. (Military orders, letter from Education Officer, DD214 and any of the residency factors listed above).

## X. Appeals and Exceptions to Residency Classification for Tuition Purposes

Students who intend to appeal their residency classification may do so by appealing in writing, to the College Registrar. Appeals must be accompanied by appropriate evidence of your actual residence. Your appeal must be received before the end of the third week of classes in the fall and spring semesters, and the first week of summer and winter terms. Any changes received after these deadlines will be effective the following semester.

Students who are in unstable housing situations may be eligible for adjusted tuition based on residency classification for tuition purposes. Contact the Registrar to discuss potential ways and documentation to prove residency.

## XI. Related Policies and Procedures

Admissions (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduresdocuments/admissions-policy.aspx>)

Tuition and Fees (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduresdocuments/tuition-fees.aspx>)

Revisions effective 7/1/2021

**The College's official version of the Residency Policy and Procedures is located on [frederick.edu](https://frederick.edu/jobs-hr/policies-and-procedures.aspx) (<https://frederick.edu/jobs-hr/policies-and-procedures.aspx>) and may be revised annually.**

## Tuition Adjustments

### In-County Tuition Rate for Employees of Frederick County Business & Industry

FCC offers an agreement that allows employees of Frederick County businesses to take classes at in-county tuition rates. For details, please call the Student Accounts Office at 301.846.2456.

## Health Manpower Shortage Programs

The Maryland Higher Education Commission designates certain Maryland public community college programs as Health Manpower Shortage Programs. Students who are Maryland residents may attend a designated Health Manpower Shortage Program at any Maryland public community college in the State at in-county tuition and fees regardless of their county of residence based upon funding. Students must self identify each term at the Student Accounts Office in order to obtain the in-county tuition rate.

*\* Programs subject to change without notice. Programs may be pulled from or added to the list as directed by MHEC at any time.*

### Allegany College of Maryland

#### Certificates

- Basic Medical Transcription
- In-Home Nursing Assistant
- Medical Coding
- Medical Lab Technology-Biotechnology
- Nursing Assistant/Geriatric Aide
- Phlebotomy/EKG Technician
- Practical Nursing
- Pharmacy Technician

#### Associates

- Dental Hygiene
- Human Services
- Medical Assistant
- Medical Laboratory Tech
- Nursing (RN)
- Occupational Therapy Assistant
- Physical Therapy Assistant
- Radiologic Technology
- Respiratory Therapist
- Therapeutic Massage

### Anne Arundel Community College

#### Certificates

- EMT/Intermediate
- EMT/Paramedic
- Human Services
- Practical Nursing

- Medical Assisting
- Medical Coding
- Pharmacy Technician
- Physician Assistant
- Therapeutic Massage

*Associates*

- EMT/Paramedic
- Human Services
- Medical Assisting
- Medical Laboratory Technician
- Nursing (RN)
- Physical Therapy Assistant
- Radiologic Technology
- Therapeutic Massage

### **Baltimore City Community College**

*Certificates*

- Coding Specialist (Medical)
- EMT/Basic
- EMT/Intermediate
- EMT/Paramedic
- Practical Nursing

*Associates*

- Dental Hygiene
- Emergency Medical Service
- Health Information Technology
- Nursing (RN)
- Physical Therapist Assistant
- Respiratory Care

### **Carroll Community College**

*Certificates*

- Advanced Certificate in Health Information Technology
- Core Certificate in Health Information Technology
- Licensed Practical Nursing

*Associates*

- Health Information Technology
- Nursing (RN)
- Physical Therapist Assistant

### **Cecil Community College**

*Certificates*

- Emergency Medical Tech-Paramedic
- Licensed Practical Nurse

*Associates*

- EMT-Paramedic
- Nursing (RN)
- Physical Therapist Assistant

### **Chesapeake College**

*Certificates*

- Emergency Medical Services
- EMT-Paramedic
- Licensed Practical Nursing
- Surgical Technology

*Associates*

- Emergency Medical Services
- Human Services
- Nursing (RN)
- Physical Therapist Assistant
- Radiologic Sciences

### **College of Southern Maryland**

*Certificates*

- Emergency Medical Services
- EMT-Paramedic
- Human Services
- Human Services: Mental Health Technician
- Practical Nursing
- Medical Assisting
- Medical Coding Specialist

*Associates*

- Emergency Medical Services
- Human Services
- Massage Therapy
- Medical Laboratory Technician
- Nursing (RN)
- Physical Therapy Assistant

### **Community College of Baltimore County**

*Certificates*

- Chemical Dependency Counseling
- Emergency Medical Tech
- Mental Health
- Occupational Safety & Health Technology
- Physician Assistant
- Practical Nursing

*Associates*

- Chemical Dependency Counseling
- Dental Hygiene
- Emergency Medical Tech
- Health Informatics & Information Technology
- Medical Laboratory Technology
- Medical Office Assistant
- Mental Health
- Nursing (RN)
- Occupational Safety & Health Technology
- Occupational Therapy Assistant

- Radiography
- Radiation Therapy
- Respiratory Care Therapy
- Veterinary Tech

## Frederick Community College

### Certificates

- Medical Assistant

### Associates

- Nursing
- Respiratory Care

## Hagerstown Community College

### Certificates

- EMT/Paramedic
- Medical Assistant
- Medical Coding & Reimbursement Specialist
- Medical Transcription
- Paramedic Emergency Services: EMT-I to EMT-P Bridge
- Practical Nursing

### Associates

- Medical Assistant
- Nursing (RN)
- Paramedic Emergency Services
- Radiography

## Harford Community College

### Certificates

- Medical Assisting
- Practical Nursing

### Associates

- Electroneurodiagnostic Tech
- Medical Assisting
- Nursing (RN)
- Science Lab Tech

## Howard Community College

### Certificates

- Advanced Cardiovascular Imaging & Intervention
- Biomedical Eng
- Cardiovascular Tech
- EMT/Paramedic
- Licensed Practical Nursing
- Photonics Technology

### Associates

- Biomedical Eng
- Cardiovascular Tech
- EMT/Paramedic

- Nursing (RN)
- Photonics Technology
- Radiologic Technology

## Montgomery College

### Certificates

- Diagnostic Medical Sonography
- Polysomnography Technology
- Surgical Technology

### Associates

- Diagnostic Medical Sonography
- Health Information Management
- Mental Health Associate
- Nursing (RN)
- Physical Therapy Assistant
- Radiologic Technology
- Surgical Technologist

## Prince George's Community College

### Certificates

- Emergency Medical Technician-Intermediate
- EMT-Paramedic
- Health Information Technology
- Nuclear Medicine Tech
- Nursing (LPN)

### Associates

- EMT/Paramedic
- Health Information Management
- Nuclear Medicine Tech
- Nursing (RN)
- Radiography (X-Ray) Technologist
- Respiratory Therapy

## Wor-Wic Community College

### Certificates

- Emergency Medical Services
- Practical Nursing

### Associates

- Emergency Medical Services
- Nursing (RN)
- Radiologic Technologist

## Maryland National Guard

- Any member of the Maryland National Guard who is certified by the Maryland Adjutant General to have at least 24 months remaining to serve or has agreed in writing to serve for a minimum of 24 months is entitled to a waiver of 50% of the tuition charged for classes offered by the college, regardless of class size, location, and number of semester hours the student is taking. Eligible students shall be charged in-county, in-state

rates, regardless of their place of residence. The waiver does not apply to fees. Students must present a letter from the Maryland National Guard proving membership and length of service remaining.

- b. Members of the Maryland National Guard who joined or subsequently served to provide a critical military occupational skill or who serve as a member of the Air Force Critical Specialty Code are charged in-county tuition regardless of their place of residence. (Maryland SB 373)

## Mid-Maryland Healthcare Consortium

For details regarding this waiver, refer to the information under Transfer Agreements (p. 33).

## Statewide Instructional Programs

Certain programs offered at community colleges throughout Maryland are designated by the Maryland Higher Education as statewide. Maryland residents may enroll in these specialized programs and receive all or a portion of the difference in tuition between the in-county and out-of-county tuition costs if a similar program does not exist in their county of residence.

Students interested in these programs should contact the appropriate college directly.

Colleges may delete programs from the statewide designation at their discretion.

*Programs subject to change without notice.*

### Allegany College Of Maryland

#### Certificates

- Automotive Tech
- Professional Golf Management
- Tree Care Technology

#### Associates

- Automotive Tech
- Culinary Arts
- Forest Tech
- Hospitality Management

### Anne Arundel Community College

#### Certificates

- Alternative & Sustainable Energy Systems
- Hotel/Restaurant Management
- Intelligence Analytics
- Paralegal Studies
- Special Education Support
- Transportation, Logistics & Cargo Security

#### Associates

- *Homeland Security Management*
- *Hotel/Restaurant Management*
- *Paralegal Studies*

### Cecil College

#### Certificates

- Government Contracting
- Transport & Logistics-Commercial Transportation
- Transport & Logistics-Government Logistics
- Transport & Logistics-Materials Management
- Visual Communications

#### Associates

- Government Contracting
- Supply Chain Management
- Transport & Logistics-Government Logistics
- Visual Communications

### College Of Southern Maryland

#### Certificates

- Commercial Vehicle Operator
- Security Management

#### Associates

- Nuclear Engineering Technology: Electrical
- Nuclear Engineering Technology: Instrument & Control
- Nuclear Engineering Technology: Mechanical

### Community College Of Baltimore County

#### Certificates

- Advanced Geospatial Applications
- Air Traffic Control
- Auto Air Conditioning/Heating Specialist
- Automotive Brake & Suspension Specialist
- Automotive Drive Train Specialist
- Auto Electrical & Electronic Specialist
- Automotive Engine Specialist
- Automotive Master Technician
- Automotive Service Attendant
- Auto Technology
- Aviation Management
- Child And Youth Care Practitioner
- Construction Craft Professional
- Construction Management
- Flight Attendant
- Flight Training
- Greenhouse Production
- International Tourism
- Interpreter Preparation
- Introduction To Geospatial Applications
- Labor Studies
- Landscape Design and Installation
- Mortuary Science
- Printing Management Tech
- Tourism Diversity
- Tourism Sales And Marketing

- Travel Management
- Turf and Landscape Maintenance

#### *Associates*

- Automotive Technology
- Automotive Technology-Collision Repair
- Aviation Management
- Construction Craft Professional
- Construction Management
- Geospatial Applications
- Interpreter Preparation
- Mortuary Science
- Recreation, Parks and Tourism
- Survey Technology
- Sustainable Horticulture

### **Frederick Community College**

#### *Associates*

- Emergency Management Track I: FEMA Independent Study
- Emergency Management Track II: Residency Program
- Police Science

### **Garrett College**

#### *Certificates*

- Juvenile Justice
- Natural Resources and Wildlife Tech

#### *Associates*

- Adventure Sports Management
- Juvenile Justice
- Natural Resources and Wildlife Tech

### **Hagerstown Community College**

#### *Certificates*

- Altern. Energy Tech: Geotherm Energy Install/Srvce
- Altern. Energy Tech: Solar/Wind Energy Install/Srvce
- Facilities Maintenance Technology
- Industrial Technology

#### *Associates*

- Alternative Energy Technology
- Digital Instrumentation & Process Control
- Industrial Technology

### **Harford Community College**

#### *Associates*

- High Performance Manufacturing
- Technical/Professional Studies

### **Montgomery College-All Campuses**

#### *Certificates*

- Fire & Arson Investigation Certificate
- Fire Prevention Technology
- Fire Protection Technology
- Technical Writing

#### *Associates*

- Fire & Emergency Services Management
- Fire Prevention Technology
- Fire Protection Technology
- Graphic Design (AFA)
- Studio Art (AFA)

### **Prince George's Community College**

#### *Certificates*

- Theatre & Entertainment

### **Wor-Wic Community College**

#### *Certificates*

- Criminal Justice
- Hotel-Motel-Restaurant Management

#### *Associates*

- Criminal Justice
- Hotel-Motel-Restaurant Management

## **Tuition and Fees Policy and Procedure**

Check the college website, frederick.edu (<https://www.frederick.edu/current-students/required-communications/student-policies-procedures.aspx>), for the most up-to-date student policies and procedures.

### **I. Philosophy and Scope**

Frederick Community College ("FCC" or the "College") is committed to providing an affordable, quality educational experience. The College adheres to fair and equitable practices consistent with state laws and regulations when establishing tuition, fees, and refund procedures.

This Policy and Procedures establishes criteria for tuition and fees.

### **II. Definitions for the Purpose of this Policy and Procedures**

- "**Deferred Payment Plan**" refers to an agreement between a student and a third-party vendor which allows for the payment of tuition and fees to be made in monthly installments.
- "**Drop Zone**" refers to specific dates throughout the credit registration cycle when students are dropped for non-payment of tuition and fees. Students must have paid tuition and fees in full, have enough financial aid to cover tuition/fees, or be enrolled in the deferred payment plan to avoid the drop zone.
- "**Financial Obligation**" refers to outstanding charges owed to the College.
- "**Residency**" refers to a student's domicile at the time of application. (See related Residency Policy and Procedures).

- E. **“Workdays”** refers to Monday through Friday and does not include weekends, holidays, scheduled breaks, or other days the College is closed.

### III. Responsible Senior Leader

Vice President for Finance  
Finance Office

### IV. Entities Affected by this Policy and Procedures

FCC students, employees, and emeritus and distinguished Seniors

### V. Tuition and Fees

#### A. Credit Classes

Credit tuition rates are approved annually by the Board of Trustees. Rates are based on one of the following three residency classifications: in-county, out-of-county, or out-of-state. Tuition rates for credit classes are listed in the Credit Schedule, in the Academic Catalog, and on the College website at [www.frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>). Tuition for credit classes is assessed on a per credit hour basis.

Many students are eligible to receive In-County or Out-of-County tuition rates regardless of citizenship status. However, students who select “Non US Citizen” on the application form will automatically be coded at Out of State tuition rates. Students may still be eligible for lower tuition rates and should refer to the Residency Policy and Procedures for more information on how to qualify for a reduced tuition rate.

Students are also charged a consolidated service fee and a student activity fee. Fee rates are approved annually by the Board of Trustees. Fee rates for credit classes are listed in the Credit Schedule, in the Academic Catalog, and on the College website at [www.frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>).

Some credit classes may require the purchase of additional materials and/or fees associated with the class. Please review the Credit Schedule for more information.

#### B. Non-Credit Continuing Education and Workforce Development

The tuition and class fees for non-credit Continuing Education and Workforce Development (CEWD) classes are set and approved on a per class basis by the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development and/or Associate Vice President for CEWD. Students should check the online registration system (<https://frederick.edu/QuickEnroll> (<https://frederick.edu/QuickEnroll/>)) for the most current rates or check the CEWD Class Schedule. A non-refundable registration fee is charged annually for all students.

The College reserves the right to adjust the tuition and fees without prior notification.

Out-of-county and Out-of-state residents will be charged an additional fee per class.

#### C. Contract Courses

FCC works in conjunction with some local and federal agencies, third party organizations and other institutions within the state

of Maryland to provide both credit and non-credit courses at an agreed upon price.

### VI. Payment Options

#### A. Credit Classes

Students may pay in person by cash, money orders, check, all major credit cards, or debit cards (used as credit only) by going to Student Accounts located within the Enrollment Center on the first floor of Jefferson Hall. Students may also make payments or enroll in the deferred payment plan through myFCC and selecting campus finances/make a payment.

For a minimal fee, the deferred payment plan allows students to pay their tuition and fees in monthly installments. Payments will automatically be charged to either a checking/savings account or major credit card.

All tuition and fees for credit classes must be paid by the deadlines published in the Credit Schedule. Exceptions are: amounts awarded by financial aid; payment arrangements submitted by a third party and approved by Student Finance; and enrollment in the deferred payment plan. If full payment is not made by the established deadline within the Drop Zone, some or all class(es) will be dropped to reconcile student account charges against payments. Students will be notified of drops via their myFCC email account with and updated student account invoice.

See the Credit Schedule for specific payment information and deadlines.

#### B. Non-Credit Continuing Education and Workforce Development

Full payment for non-credit CEWD class(es) is required at the time of registration. Exceptions are reimbursement approved and submitted by a third party, scholarships, or payment plan eligibility.

Students who register online must make full payment at the time of registration using a major credit or debit card (<https://frederick.edu/QuickEnroll> (<https://frederick.edu/QuickEnroll/>)). Students who register in person must make full payment by cash, check, major credit card, or debit card (used as credit only) by going to CEWD Registration located within the Enrollment Center on the first floor of Jefferson Hall. Specific classes may be eligible for the deferred payment plan. See class details for registration/payment guidelines in the CEWD Class Schedule.

### VII. Tuition Waivers and Tuition Adjustment

Tuition waivers must be requested in person (with the exception of senior citizens) and may be granted to certain individuals in accordance with state law and state regulations. Fees other than tuition must be paid in full prior to the payment deadline.

#### A. Persons 60 years or Older

##### Credit Classes:

Maryland residents 60 years or older may be eligible for an automatic tuition waiver. To qualify for the tuition waiver, students must wait to enroll until the specified date listed in the Credit Schedule, which is approximately three weeks prior to the start of the term, and be at least 60 years of age by the day the class begins.

Students will be responsible for all fees associated with the class and must pay in full by the specific due dates, failure to pay in full will result in being dropped from class(es). See the Credit Schedule

for the eligible registration date and payment information and deadlines.

Students are not permitted to register/drop and re-register for the same class to hold a seat and avoid paying full tuition.

**CEWD Classes:**

All Maryland students 60 years or older receive a waiver of non-credit CEWD class tuition for eligible classes as specified in the CEWD Class Schedule. This includes only classes that are eligible for state aid, based on Section 16-305 of the Education Article, Annotated Code of Maryland. Students 60 years or older are required to pay all fees associated with classes at the time of registration.

**B. SSI or SSDI Waiver**

Any resident of the State who is out of the work force by reason of total and permanent disability who enrolls in a class that has at least 10 regularly enrolled students is exempt from payment of tuition as defined in Section 16-106, Education Article, Annotated Code of Maryland.

An individual shall obtain certification of their total and permanent disability from the Social Security Administration, the Railroad Retirement Board, or in the case of a former federal employee, the Office of Personnel Management annually. Students who receive SSI or SSDI benefits as a dependent or survivor of a disabled beneficiary do not qualify for this waiver. This waiver will cover up to 12 credits per semester if the student is enrolled in classes as part of a degree or certificate program designed to lead to employment, or six (6) credits per semester for a student not enrolled in a degree or certificate program.

Eligible students must request the waiver every time they enroll and file an annual Free Application for Federal Student Aid (FAFSA) [www.fafsa.gov](http://www.fafsa.gov) (<http://www.fafsa.gov>). The tuition waiver applies to any balance on tuition after any grants and scholarships a student received have been applied to their tuition and fees.

Tuition waivers for non-credit CEWD classes are applied when the class is FTE eligible and has a workforce intent. Waivers are considered class by class as designated in the CEWD schedule. No class fees, books or supplies are covered by the waiver and must be paid by the individual if not covered by Financial Aid or other sources of assistance. Students who are only enrolling in CEWD, non-credit classes do not need to apply for federal financial aid.

**C. Veterans and Members of the Armed Forces**

Please refer to the Residency Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/residency.aspx>) for definitions and residency classifications.

**D. Maryland National Guard**

Members of the Maryland National Guard who are certified by the Maryland Adjutant General to have at least 24 months remaining to serve or have agreed in writing to serve for a minimum of 24 months are entitled to a waiver of 50% of the in-county tuition charged for classes offered by the College, regardless of class size, location and number of semester hours the students are taking. Eligible students shall be charged in-county tuition rates, regardless of their place of residency. The waiver does not apply to fees. Students must present a letter

from the Maryland National Guard proving membership and length of service remaining.

Members of the Maryland National Guard who joined or subsequently served to provide a Critical Military Occupational Skill or who serve as a member of the Air Force Critical Specialty Code are charged in-county tuition regardless of their place of residence.

**E. Health Manpower Shortage**

The Maryland Higher Education Commission designates certain Maryland public community college programs as Health Manpower Shortage Programs. Students who are Maryland residents may enroll in a designated Health Manpower Shortage Program at any Maryland public community college in the State at in-county tuition and fees regardless of their county of residence based upon funding. Please refer to the Academic Catalog for eligible programs.

**F. Mid-Maryland Allied Healthcare Education Consortium**

Frederick, Carroll, and Howard Community Colleges participate in the Mid-Maryland Allied Healthcare Education Consortium. The Consortium allows residents of all three counties to enroll in eligible clinical coursework at any of the three colleges at in-county tuition rates. Please refer to the Academic Catalog for eligible programs.

**G. Statewide Instructional Programs**

Certain programs offered at community colleges throughout Maryland are designated by the Maryland Higher Education Commission as statewide. Maryland residents may enroll in these specialized programs and receive all, or a portion of, the difference in tuition between the in-county and out-of-county tuition costs if a similar program does not exist in their county of residence. Please refer to the Academic Catalog for eligible programs.

**H. Out-of-County/Out-of-State Students Employed by Business Entities in Maryland**

**Credit Classes:** Out-of-county or out-of-state students employed by entities within Frederick County that offer an employee tuition reimbursement program may be eligible for in-county tuition, regardless of the student's legal domicile. The student must provide verification of participation by the employer in the tuition reimbursement program and of current employment from the Human Resources Office of their employer. The employee may be asked to provide proof of current employment such as a paystub or staff ID card.

**CEWD Classes:** An employer doing business in Maryland may enter into an agreement with the College whereby their eligible employees who participate in workforce training at FCC may be eligible for in-state tuition rates.

**I. Foster Care Recipients**

Individuals who meet the following criteria are eligible to apply for the Maryland Tuition Waiver for Foster Care Recipients. Eligible individuals are exempt from paying tuition and mandatory fees. To be eligible, students must:

1. Complete and file a Free Application for Federal Student Aid (FAFSA) each year for which they are seeking a tuition waiver.
2. Have been placed in an out-of-home placement by the Maryland Department of Human Resources and either:
  - a. Reside in an out of home placement in Maryland at the time they graduated from high school or successfully

completed a general equivalency development examination (GED), or

- b. Reside in an out-of-home placement on the individual's 18th birthday, or
  - c. Reside in an out-of-home placement on their 13th birthday and was placed into guardianship or adopted out of an out-of-home placement after their 13th birthday; or
  - d. Be the younger sibling of a child who meets the qualifications stated in either a. or b. above and was placed into guardianship or adopted concurrently out of an out-of-home placement by the same guardianship or adoptive family; or
  - e. Resided in an out-of-home placement in the state for at least one (1) year on or after the individual's 13th birthday and returned to live with the individual's parents after the out-of-home placement ended.
3. Enroll in a certificate/license credit and/or noncredit vocational program or as a degree-seeking student on or before age 25.
  4. Continue to be exempt from paying tuition and fees until five (5) years after first enrolling as a candidate for an associate degree or vocational certificate.
  5. Maintain satisfactory academic progress standards to remain eligible for the program.

#### J. Unaccompanied Homeless Youth

The Maryland Tuition Waiver for Unaccompanied Homeless Youth is available to unaccompanied homeless youth. Eligible individuals are exempt from paying tuition and mandatory fees. To be eligible, students must:

1. Be declared as an unaccompanied homeless youth who is not in the physical custody of a parent or guardian and be a homeless child or youth as defined by the McKinney-Vento Homeless Assistant Act.
2. Complete and file a Free Application for Federal Student Aid (FAFSA) each year for which they are seeking a tuition waiver.
3. Enroll in a credit or non-credit vocational certificate program or as a degree-seeking student on or before age 25.
4. Continue to be exempt from paying tuition and fees until five (5) years after first enrolling as a candidate for an associate degree or vocational certificate.
5. Maintain satisfactory academic progress standards to remain eligible for the program.

#### K. Maryland Dream Act, Delayed Action Child Arrival (DACA) and Temporary Protected Status (TPS)

Students who are in the category of "Deferred Action Childhood Arrivals" (DACA), or "Temporary Protected Status" (TPS) are eligible to establish in-state/in-county residency for tuition purposes. Please refer to the Residency Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduresdocuments/residency.aspx>).

In-county residency status for eligible "International/Foreign National Students" must meet the same three (3) months requirements and proof of residency documents as all other students.

Further information can be found at <https://www.frederick.edu/credit-admissions/dream-act.aspx>.

#### L. Eligible FCC Employees

Some FCC employees and their family members are eligible for tuition waivers. Please refer to the Employee Handbook for detailed information.

#### M. Dual Enrollment High School Aged Open Campus Enrollment

Students sixteen years of age or older may enroll in college courses held at FCC while concurrently enrolled in high school studies. This includes Frederick County students enrolled in public, private and home schooled. Students pay 75% of tuition plus all fees.

Tuition is waived for Frederick County Public School (FCPS) students who are eligible for free and reduced meals. Students should seek guidance approval, complete the following form and return it to Student Accounts located within the Enrollment Center on the first floor of Jefferson Hall to receive the waiver. For FCPS Students: <https://www.frederick.edu/credit-admissions/downloads/registration-forms/applicationfordualenrollment.aspx>

Home School/Private School Students: <https://www.frederick.edu/credit-admissions/downloads/registration-forms/frederickcountyresidentsreducedtuitionform.aspx>

#### High School Based Enrollment

The College, in partnership with FCPS, provides FCPS students the opportunity to enroll in college courses that are taught at their high school. FCPS students pay 43% of tuition. Tuition is waived for FCPS students who are eligible for free and reduced meals. Students must contact their high school guidance office to enroll.

#### N. Parent/Guardian of a deaf or hard of hearing child

Per the guidelines outlined in Section 15-106.10 of the Education Article, Maryland Annotated Code, a parent or legal guardian may take one course tuition free, that teaches a language or a communication mode of instruction. Fees still apply. Proof of eligibility is required. Please contact [admissions@frederick.edu](mailto:admissions@frederick.edu) for more information.

## VIII. Financial Obligations

Students are individually responsible for the payment of tuition, fees and all other charges at FCC. If a third party such as, but not limited to, a federal, state, or municipal governmental agency or employer agrees to pay tuition and fees, students are not relieved of their primary responsibility. In the event that such a party fails to honor its agreement, the College reserves the right to bill students directly.

**Credit students** with an unpaid balance of \$250 or less on their student account will be allowed to register for classes if the student settles the balance on the student account one workday prior to start date of the session in which they wish to enroll for the next semester. Failure to pay in full by agreed date will result in the student being dropped from all classes for which they were allowed to register.

Students with an unpaid balance greater than \$250 must either pay the balance on the student account or enter into an installment plan prior to the current session start date for which they wish to register. The installment plan must be in effect at least one workday prior to the session start date for which they wish to register with at least one installment payment made.

Students with a delinquent balance from a previous semester will be dropped from future enrollment on the applicable Drop Zone date.

In the event financial aid is awarded and later removed, causing a balance to be reinstated, the collection process will begin with a first past due notice.

**Official Transcripts and diplomas are withheld, and the student will be blocked from enrollment until all obligations are satisfied.**

Veterans: As part of the Veterans Benefits and Transition Act of 2018, the College will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet their financial obligations to the institution due to the delayed disbursement funding from the Department of Veteran Affairs under Chapter 31, Vocational Rehabilitation and Employment, or Chapter 33, Post-9/11 GI Bill benefits.

**CEWD students** must address all outstanding financial obligations to the College prior to registering for either credit or CEWD classes. CEWD students registering through the online registration system (<https://frederick.edu/QuickEnroll> (<https://frederick.edu/QuickEnroll/>)) will be notified of an outstanding financial obligation and will be required to discuss repayment options with the Student Accounts office located in the Enrollment Center on the first floor of Jefferson hall, and to receive permission to register. When students have an outstanding financial obligation to the College, the procedure will be:

- A. A financial obligation indicator is placed on the student's account at 30 days past due. Past due notices are sent to the address on record with the College.
- B. Accounts greater than 120 days past due will be sent to a collection agency and will be assessed a 17% collection fee.
- C. Once past due accounts have been sent to a collection agency the students must, at that time, satisfy the debt with the agency and not FCC.
- D. Once the outstanding financial obligation is paid in full, all financial obligation indicators will be removed and any negative impact to student accounts will be lifted.
- E. Registration will be permitted for students registering into CEWD contract training courses whereby payment is received by a third party. FCC Collections department will be notified of the enrollment and contact the student in an attempt to resolve the debt.

**Official Transcripts and diplomas are withheld, and the student will be blocked from enrollment until all obligations are satisfied.**

## IX. Tuition and Fees Refund and Returns

### A. Refund for Credit Classes

To obtain a refund of tuition and fees students must first withdraw from classes based on the published dates available in the Credit Schedule. Refunds are either at 100%, 50%, or withdrawal without a refund. Refunds will automatically be calculated from the date of the withdrawal. Refunds are based on sessions, each session has its own distinct timeline. Refer to the Academic Calendar within the Credit Schedule for the specific last day for 100% and last day for 50% refund dates for each session. All withdrawals from class(es) that are initiated prior to the class beginning, will be granted 100% tuition and fees refund.

Refunds will be processed as follows:

1. No cash refunds will be issued.
2. Payments made by cash/check will be refunded through a third party vendor (BankMobile) to a designated bank account preference. For students under 18 or 60+ check refunds will be issued to the student.
3. Credit card refunds will go back to the original credit card used to pay.
4. Financial Aid will be disbursed to the students account. Once tuition, fees and books have been paid to the College any remaining funds will be processed within 14 days through a third party vendor (BankMobile) to a designated bank account preference. For students under 18 or 60+ check refunds will be issued to the student.
5. When the student is withdrawn due to disciplinary action after the refund period, the College makes no refund of any kind. Financial consequences related to interim suspensions, suspensions, or expulsions are the responsibility of the student (Code of Student Conduct). For other student withdrawals, students may follow the Appeal for Tuition and Fees Refund/Tuition Refund Committee (Section VIII) portion of this policy.

### B. Refund for Non-Credit Continuing Education Workforce Development Classes

1. Cancellations  
All students will be refunded 100% of class tuition and fees if a class is cancelled by the College.
2. Drop Request Within Full Refund Period  
Students who choose to drop a CEWD class will receive a full refund provided that they initiate the drop at least two (2) workdays before the beginning date of the class, except for the Summer Kids on Campus/Teens on Campus classes. These classes require students to drop by close of business the Monday prior to the start date of the class being dropped. Classes with a different full refund period will be noted in the shopping cart upon check-out.
3. Transfer of Funds  
Students whose class has been cancelled or are electing to drop within the full refund period, may choose to transfer their funds toward an alternate class by noting the class on the CEWD Class Drop/Transfer Request form. Students will be responsible for cost differences or be refunded cost difference, as applicable.
4. Refund Request Outside of Full Refund Period  
Students requesting a refund for a drop outside of the full refund period must make the request in writing to the Associate Vice President for CEWD, and be accompanied by documentation supporting the student's request. Appropriate documentation may include electronic or hard-copy documents from medical providers, employers, child care providers, or others that can validate extenuating circumstances. The College reserves the right to approve or disapprove full or partial refund requests that are submitted outside of the full refund period.

### C. Students Receiving Title IV Funding

Students awarded Title IV financial aid funds must earn their aid by attending classes. When students completely withdraw from classes or stop attending during a semester and/or term, the College must follow rules established by the federal government to determine the amount of financial aid earned. The amount of Title IV aid that must be returned to the federal programs is

determined by the federal formula for Return of Title IV funds as specified in the Higher Education Act of 1998 (34 CFR §668.22). The calculation is based on the documented withdrawal date or last date of attendance of the student. For students who unofficially withdraw from a semester and/or term and earn all "F" grades, faculty provide the last date of attendance that is used in the calculation.

When students receive more Title IV funds than they have earned, the unearned portion must be returned to the Federal program. When students have not received all of their earned Title IV funds, they may still receive disbursements of this aid. Funds must be returned to the Title IV Programs in the following order:

1. Federal Direct Unsubsidized Loans
2. Federal Direct Subsidized Loans
3. Federal PLUS Loans
4. Federal Pell Grants
5. Federal Supplemental Educational Opportunity Grant
6. Iraq/Afghanistan Service Grant

Students may obtain a sample copy of the Return of Title IV Funds worksheet with sample calculations from Financial Aid located within the Financial Services Center on the third floor of Jefferson Hall.

#### D. Students Receiving Military Tuition Assistance

Students receiving Military Tuition Assistance (TA) who withdraw or who cease to attend a credit class, may no longer be eligible for the full amount of TA funds originally awarded. To comply with the Department of Defense, the College will return any unearned TA funds on a proportional basis through at least the 60% portion of the period of time for which the funds were provided. TA funds are earned proportionally during an enrollment period, with unearned funds returned based on when a student stops attending. If a service member stops attending due to a military service obligation, and the service member notifies the school of their obligation, FCC will work with the affected service member to identify solutions that will not result in a student debt for the returned portion.

#### E. FEMA Term Course Fees

FEMA term course fees offered through the Mid-Atlantic Center for Emergency Management & Public Safety are non-refundable.

- A. Officially withdraw from the class(es).
- B. Obtain supportive evidence and documentation to support appeal.
- C. Complete and submit the Student Appeal for Tuition Refund Form, along with supportive evidence and documentation to Registration and Records at the Welcome Desk located within the Enrollment Center on the first floor of Jefferson Hall or electronically to StudentAppeals@frederick.edu.

Students must make the request for a refund prior to the end of the academic year in which they took the class. The academic year starts with the summer term and continues through the spring semester.

Subsequent tuition refund appeals will not be granted for consecutive semesters for continuous extenuating circumstances.

Lack of attendance in a class does not absolve a student from the financial obligations and costs associated with that class. Students who are enrolled in a class(es) but who have never attended the class(es) due to extenuating circumstances, will still need to submit a formal request for refund to the Tuition Refund Committee.

## XI. Related Policies and Procedures

Residency Policy (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/residency.aspx>)

Admissions Policy (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/admissions-policy.aspx>)

Student Withdrawal Policy (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/student-withdrawal.aspx>)

Employee Recognition (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/employee-recognition.aspx>)

*Revisions effective 7/1/2021*

**The College's official version of the Tuition and Fees Policy and Procedures is located on [frederick.edu](https://frederick.edu/jobs-hr/policies-and-procedures.aspx) (<https://frederick.edu/jobs-hr/policies-and-procedures.aspx>) and may be revised annually.**

## X. Appeal for Credit Tuition and Fees Refund/ Tuition Refund Committee

For extenuating circumstances where the student withdraws from a credit class after the normal refund period, the College may grant a partial refund of tuition and fees after the student submits an appeal to the Tuition Refund Committee (TRC). With required documentation, extenuating circumstances have included the following:

- Medical reasons dated and certified by a physician;
- Job transfer dated and certified by the employer;
- Job schedule (shift) change which causes a conflict with the student's class schedule, dated and certified by the employer; or
- Military transfer or deployment dated and certified by documentation (copy of orders) from the military unit.

To be eligible for consideration the student must:

# FINANCIAL AID

Frederick Community College works to ensure that all students have equal access to financial assistance that will help them attend college. FCC participates in a wide range of federal, state, and local financial aid programs that includes grants, scholarships, loans, and employment (see Financial Aid Chart (p. 59)).

The Financial Aid office calculates financial aid eligibility based on the number of required credits the student is enrolled in on the census date. For students who have a valid FAFSA on file and are enrolled in courses, the census date is the day after the 50% refund period for the 15-week session. If applying and registering past this date, census dates may vary.

## Eligibility Criteria

**Financial Need**—Financial need is the difference between educational expenses (the Cost of Attendance – see chart to the bottom right) at FCC and the amount students and/or their families can be expected to pay. The College uses the Estimated Family Contribution (EFC) from the Free Application for Federal Student Aid (FAFSA) and the Cost of Attendance to determine the amount of financial need.

**Citizenship**—Students must be a U.S. Citizen or an eligible non U.S. Citizen to qualify for Federal Student Aid. You are considered an "eligible noncitizen" if you are a U.S. national; U.S. permanent resident with a Form I-551, I-151, or I-551C (referred to as a "green card"; you have an Arrival-Departure Record (I-94) from U.S. Citizen and Immigration Services showing Refugee, Asylum Granted, Cuban-Haitian Entrant, Conditional Entrant (prior to April 1, 1980) or Parolee. Students who are not U.S. Citizens and not considered eligible non U.S. Citizens for Federal Student Aid may still qualify for Maryland State Aid and should complete the Maryland State Financial Aid Application (MSFAA).

**Academic Program**—Students must be enrolled in or accepted for enrollment in a state-approved degree or certificate program. Students can only receive financial aid for courses that are required for the selected degree or certificate program. Some financial aid awards have different minimum enrollments.

**Enrollment Status**—Awards are adjusted for full-time (12 or more credit hours), three-quarter-time (9-11 credit hours), half-time (6-8 credit hours), and less-than-half-time (5 or fewer credit hours) enrollment after the financial aid census date. Students may receive financial aid for developmental classes, and these courses will be considered in determining a student's enrollment status. (See the academic schedule for the credit hour equivalent assigned to developmental classes.)

**High School Diploma/GED**—Effective July 1, 2012, federal financial aid applicants must have a high school diploma or GED, or have completed an approved home school program.

## How to Apply for Financial Aid

Complete the Free Application for Federal Student Aid (FAFSA) each year that you plan to attend college. This form is completed online at [www.fafsa.gov](http://www.fafsa.gov) (<http://www.fafsa.gov>). The school code for Frederick Community College is 002071 and must be listed on the FAFSA to process student applicant data.

**Reapplying:** Students must reapply each academic year to continue receiving financial aid. Each year's information is based on the prior-prior year's federal tax return and/or income information.

## Verification

Some students are selected to provide verification documentation of information submitted on the FAFSA. Students whose applications are selected for verification must provide copies of requested information in order for financial aid to be awarded.

## When to Apply/Reapply

The Free Application for Federal Student Aid (FAFSA) is available October 1 each year. It is recommended that the student complete the FAFSA as soon as possible after October 1. Students who are not U.S. Citizens and are not considered eligible non U.S. Citizens for Federal Student Aid may still qualify for Maryland State Aid and should complete the Maryland State Financial Aid Application (MSFAA) instead of the FAFSA. Visit [www.mhec.state.md.us](http://www.mhec.state.md.us) (<https://mhec.state.md.us/Pages/default.aspx>) for more details about the MSFAA.

The general deadline for Maryland State Scholarships is March 1, but there are varying deadlines for certain awards. Visit [www.mhec.state.md.us](http://www.mhec.state.md.us) (<http://www.mhec.state.md.us>) for further details. A student must complete the FAFSA form prior to March 1 to be eligible for State Scholarships. Students who miss this priority deadline should still file a FAFSA as soon as possible after March 1, but they may only be considered for federal and institutional aid. To have your financial aid application processed prior to the tuition bill due date students must complete the FAFSA and submit all requested documentation to the FCC financial aid office at least 30 days prior to payment due date.

Applications submitted after these dates will be processed as quickly as possible, but financial aid awards may not be processed in time for the payment due date.

## Transfer Students

Mid-year transfer students planning to attend FCC in the spring semester who received a Pell Grant in the fall semester must add Frederick Community College on their FAFSA. Check with the financial aid office to find out what additional documents are required.

Transfer students who have a Direct Student Loan at another college in the fall semester and plan to attend FCC the following spring semester must cancel the loan at the prior college and reapply through FCC. Official academic transcripts should also be sent to FCC for credit evaluation from any previously attended institutions.

Recipients of a Maryland State Scholarship from the Maryland Higher Education Commission, Office of Student Financial Assistance, should log on to their MDCAPS account and update their enrollment to "Full Time" at FCC and "Not Enrolled" at their prior institution.

### Financial Aid Eligibility: Satisfactory Academic Progress

Federal regulations require that students make satisfactory progress toward completion of a degree or certificate to receive financial aid. Students must attend their classes, complete all classes in which they enroll, and obtain passing grades (usually a 'C' or better). Satisfactory academic progress is monitored at the end of each semester and is based on cumulative performance. Withdrawing from a class after the semester has begun can affect current financial aid and future eligibility. A description of satisfactory progress requirements is available in the financial aid office. Students must meet the following completion rate and minimum grade point averages (all coursework on the transcript is included, not just the semester(s) financial aid is received

Total Credits Attempted	Minimum Cumulative GPA	Completion Rate (of total attempted)
0-15	2.00	50%
16-45	2.50	67%
46 & above	2.75	67%

*Note: This is for AAT Degrees only. For all other programs, a 2.00 GPA is required. Completion rate is the same for AAT and other degree/eligible certificates.*

Financial aid recipients are required to attend classes on a regular basis. Failure to attend classes can result in a reduction or cancellation of financial aid awards. Financial aid is canceled for classes a student is enrolled in but never attends. A student cannot receive financial aid for courses that are audited or previously passed (grade of "D" or higher) courses that are repeated more than once for a higher grade. The financial aid Satisfactory Academic Progress Standards is also posted on frederick.edu financial aid webpage.

## Typical Expenses used to Determine Financial Need

The following estimated budgets are used when calculating the need of average full-time in-county students (14 credits per semester) for the full academic year. Budgets for other categories of students can be obtained from the financial aid office.

### 2021–2022

Expense	Living at Home	Living Away from Home
Estimated Tuition & Fees	\$4,407	\$4,407
Books & Supplies	1,200	1,200
Room & Board	4,550	8,600
Transportation	1,800	1,800
Personal	1,850	1,850
Total	\$13,807	\$17,857

## Financial Aid Appeals Process

Students who have been suspended from financial aid eligibility due to lack of satisfactory academic progress may appeal the decision. The appeal form must be submitted to the Financial Aid Office. All appeals are reviewed by a financial aid committee. Deadlines are established prior to the start of each semester.

Students with special circumstances that impacted their income after the tax year reported on the FAFSA may request the financial aid office reevaluate their eligibility. Students should contact the financial aid office to determine if they could qualify for a special circumstance adjustment.

## Student Consumer Rights and Responsibilities

The Higher Education Opportunity Act as amended in 2008 requires postsecondary educational institutions to disseminate relevant, candid information on student financial aid programs available at the college. This information can be found at [www.frederick.edu/current-students/required-communications/student-right-to-know-grievance.aspx](http://www.frederick.edu/current-students/required-communications/student-right-to-know-grievance.aspx) (<http://www.frederick.edu/current-students/required-communications/student-right-to-know-grievance.aspx>). These rights and responsibilities may be found in The Student Guide (U.S. Department of Education) which is

available in the financial aid office. All financial aid awards are for one academic year. It is the student's responsibility to reapply each year.

## Effects of Withdrawing or Not Attending Class

Students who received financial aid funds must attend classes in order to receive these funds. **Students are strongly encouraged to contact the financial aid office prior to withdrawing to discuss financial impact to financial aid funding.** Students receiving Federal financial aid funds who officially withdraw or stop attending classes are subject to a Return of Title IV calculation to determine the percentage of financial aid funds that have been earned for that semester. If a student does not begin attendance in a class, all financial aid funds for that class are canceled. Examples of these calculations can be obtained from the Financial Aid Office, Jefferson Hall. Students using VA education benefits should contact Veteran and Military Services at 301.624.2836 prior to withdrawing to discuss the financial and academic impacts of doing so.

It is important for students to understand that if a student does not attend or withdraws from a class, a student can lose financial aid which has already been disbursed and may lead to an overpayment or outstanding tuition charges for the semester. Students cannot receive financial aid funds for classes audited, classes never attended, classes not required for current degree program, or classes repeated with a grade more than two times.

The Financial Aid Office is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing 60% of a payment period or term. The federal Title IV financial aid programs must be recalculated in these situations. If a student leaves the institution prior to completing 60% of a payment period or term, the financial aid office recalculates eligibility for Title IV funds. Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula: Percentage of payment period or term completed = the number of days completed up to the withdrawal date divided by the total days in the payment period or term. (Any break of five days or more is not counted as part of the days in the term.) This percentage is also the percentage of earned aid. Funds are returned to the appropriate federal program based on the percentage of unearned aid using the following formula: Aid to be returned = (100% of the aid that could be disbursed minus the percentage of earned aid) multiplied by the total amount of aid that could have been disbursed during the payment period or term.

If a student earned less aid than was disbursed, the institution is required to return a portion of the funds and the student would be required to return a portion of the funds. Keep in mind that when Title IV funds are returned, the student borrower may owe a debit balance to the institution. If a student earned more aid than was disbursed to him/her, the institution would owe the student a post-withdrawal disbursement.

The institution must return the amount of Title IV funds for which it is responsible no later than 45 days after the date of the determination of the date of the student's withdrawal.

Please contact Financial Aid prior to the withdrawal for an explanation of the impact of withdrawing on eligibility of financial aid funds.

Refunds are allocated in the following order:

1. Unsubsidized Direct Federal Stafford Loans
2. Subsidized Direct Federal Stafford Loans

3. Federal Parent (PLUS) Loans
4. Federal Pell Grants
5. Federal Supplemental Opportunity Grants
6. Iraq and Afghanistan Service Grant

## Financial Aid Chart

### Grants

Type of Aid	Source	Award Amounts	Who is Eligible to Apply <sup>1</sup>	How to Apply
Federal Pell Grant	Federal government	Annual award may range from \$661 to \$6,495 as determined by a Federal formula. Based on financial need.	Students who have not earned a bachelor's or professional degree. Students who are enrolled in coursework for an approved degree or certificate program. Eligibility is based on EFC from the Free Application for Federal Student Aid and enrollment status in required courses.	Complete the Free Application for Federal Student Aid (FAFSA). Students must reapply each academic year.
Federal Supplemental Educational Opportunity Grant (FSEOG)	Federal government	Award may range from \$100-\$200 per semester. Based on financial need according to a federal formula.	Same as Pell Grant program. Priority must be given to the neediest Pell Grant recipients. Must be enrolled at least half time.	Same as Pell Grant program.
Maryland Part-time Grant	State of Maryland through FCC	\$450 per semester for 9-11 required credits. \$300 per semester for 6-8 required credits. \$150 per semester for 1-5 required credits. Based on financial need.	Maryland residents. Students enrolled for 1-11 required credit hours in an associate's degree program.	Same as Pell Grant program.

1

Financial Aid is not typically available for Continuing Education (CE) students. A limited number of scholarships are available for CE students pursuing specific courses of study, see FCC Foundation Scholarships under Continuing Education & Workforce Development Offerings (p. 221).

### Scholarships

Type of Aid	Source	Award Amounts	Who is Eligible to Apply <sup>1</sup>	How to Apply
Maryland State Scholarships including Maryland Promise Scholarship	State of Maryland	Variable. Refer to the state scholarship website - <a href="http://mhec.maryland.gov/preparing/Pages/FinancialAid/descriptions.aspx">http://mhec.maryland.gov/preparing/Pages/FinancialAid/descriptions.aspx</a>	Maryland residents enrolled in a degree or certificate program. Refer to state scholarship brochure.	Complete the Free Application for Federal Student Aid (FAFSA or MSFAA). Apply by March 1. Additional state applications may be required.
FCC Foundation Scholarships	FCC Foundation	Variable. Application is available online at <a href="http://frederick.edu/foundationsscholarships">http://frederick.edu/foundationsscholarships</a> ( <a href="http://frederick.edu/foundationsscholarships/">http://frederick.edu/foundationsscholarships/</a> )	Based on criteria of each scholarship.	Complete the scholarship application online at <a href="http://frederick.edu/foundationsscholarships">http://frederick.edu/foundationsscholarships</a> ( <a href="http://frederick.edu/foundationsscholarships/">http://frederick.edu/foundationsscholarships/</a> ). Students who are awarded a fall scholarship do not need to reapply for the spring semester provided they continue to meet the award criteria. Application deadlines are posted online.

1

Financial Aid is not typically available for Continuing Education (CE) students. A limited number of scholarships are available for CE students pursuing specific courses of study, see FCC Foundation Scholarships under Continuing Education & Workforce Development Offerings (p. 221).

## Loans

Type of Aid	Source	Award Amounts	Who is Eligible to Apply <sup>1</sup>	How to Apply
Federal Direct Stafford Loan	Federal government	\$5,500 maximum for dependent freshmen; \$9,500 maximum for independent freshmen; \$6,500 for dependent sophomores; \$10,500 maximum for independent sophomores. Note: Amounts are requested by the student and are subject to approval by the financial aid office.	Students enrolled at least half time (6 required credit hours per semester) in a degree or certificate program at FCC.	Complete the Free Application for Federal Student Aid (FAFSA). Follow steps to apply for a loan at <a href="http://www.frederick.edu">http://www.frederick.edu</a> under financial aid section. Students must submit all requested verification documents and complete the loan request form.
Federal Direct Parent Loan for Undergraduate Students (FPLUS)	Federal government	Annual loan limit is the student's cost of education minus any estimated financial aid received.	Parents of dependent students. Students enrolled at least half time (6 required credit hours per semester) in a degree or certificate program at FCC.	FCC PLUS Loan Request Form. Parents must reapply each year. Complete the Free Application for Federal Student Aid (FAFSA). Follow steps to apply for a loan at <a href="http://frederick.edu">http://frederick.edu</a> under financial aid section.

1

Financial Aid is not typically available for Continuing Education (CE) students. A limited number of scholarships are available for CE students pursuing specific courses of study, see FCC Foundation Scholarships under Continuing Education & Workforce Development Offerings (p. 221).

## Employment

Type of Aid	Source	Award Amounts	Who is Eligible to Apply <sup>1</sup>	How to Apply
Federal College Work Study (FCWS)	Federal government through FCC	Variable. Based on financial need. A variety of jobs are available on campus.	Students enrolled at least half time (6 required credit hours per semester) in a degree or certificate program at FCC.	Same as Pell Grant program. Also must complete an FCC student employment application.
Student Assistant Program	FCC	Variable. Awards are not based on financial need. Priority is given to applicants with higher financial need.	Students enrolled at least half time (6 required credit hours per semester) in a degree or certificate program at FCC.	Complete the Free Application for Federal Student Aid (FAFSA). Students must reapply each academic year. Students must also complete the FWS Eligibility form available at <a href="http://frederick.edu/cost-financial-aid/financial-aid/types-offinancial-aid.aspx#work-study">http://frederick.edu/cost-financial-aid/financial-aid/types-offinancial-aid.aspx#work-study</a>

1

Financial Aid is not typically available for Continuing Education (CE) students. A limited number of scholarships are available for CE students pursuing specific courses of study, see FCC Foundation Scholarships under Continuing Education & Workforce Development Offerings (p. 221).

## Scholarships

The FCC Foundation awards hundreds of need- and merit-based scholarships to new and returning students. These scholarships are made possible by generous gifts from community groups, foundations, individuals and businesses. For further details, or to apply for these

scholarships, complete an online application at [frederick.edu/foundationsscholarships](http://frederick.edu/foundationsscholarships) (<http://frederick.edu/foundationsscholarships/>).

Scholarships are also available for Continuing Education and Workforce Development students. For further information, please speak with your advisor.

## Scholarship Opportunities for Graduating Frederick County Public High School Seniors

For further information, please speak to your high school guidance counselors.

### Ambassador Scholarship

Each year 25 Frederick County high school seniors are awarded the FCC Ambassador Scholarship for maintaining a 3.5 GPA through grades 9-12. It is awarded to students who attend the fall term following their graduation from high school. Each year 25 high school seniors from Frederick County are awarded the FCC Ambassador Scholarship for maintaining a 3.5 grade average through grades 9-12. It is awarded to students attending FCC the fall term following their graduation from high school. Ambassador Scholars will be asked to participate in the Ambassador Program while at FCC. The Ambassador Program provides students an opportunity to volunteer for a minimum of ten hours per semester. Examples of opportunities may include providing campus tours, performing college outreach functions, assisting at college activities, etc.

Awards: Full-time students will receive \$350 for the fall semester, renewable for up to three additional semesters, depending on maintenance of at least a 3.0 grade point average and participation in the Ambassador Program.

Applications are available on this web site (see link below), in the Admissions Office, (first floor J-Building, Enrollment Services) at FCC, and at local high schools. Ambassador Scholarships are awarded based upon date of receipt of application and high school transcript to FCC. Public, private and home school students are encouraged to apply.

## Veteran and Military Services

The Frederick Community College Veteran and Military Services department offers academic and support services for veterans, active duty service members, and their family members enrolling into classes at FCC. We strive to provide a respectful and inclusive link for our returning veterans to become successful in civilian and college life. Our focus is on wellness and helping guide veterans to adapt the skills they developed from military training and combat experience to the classroom. We provide a "One-Stop-Shop" where veterans and families can get all needed information and assistance in one place.

### Department Overview

Frederick Community College (FCC) is approved by the Maryland Higher Education Commission (MHEC) for the training of eligible veterans, their dependents, and active duty personnel. FCC may certify enrollment to the United States Department of Veterans Affairs (VA) for approved programs of study. All veterans except for those using Chapter 31 and Post 9/11 Chapter 33 are responsible for paying tuition and fees by specified deadlines.

If you are unsure which type of VA education benefit you qualify for, you may contact the VA Call Center by phone at 1.888.442.4551 or visit the VA website at [www.gibill.va.gov](http://www.gibill.va.gov) (<http://www.gibill.va.gov>). You will need to provide your social security number (or that of your sponsor, if applying for benefits under a parent or spouse) when you make the call.

## Applying for Veterans Education Benefits

To use education benefits at FCC, students must first apply for admission to FCC, choose an approved program, and complete the Veterans Online Application (VONAPP). If students attended any other institution prior to FCC, they should review the Transfer Student requirements (below).

The student should then schedule an appointment with a Veteran and Military Services advisor by calling 301.624.2836 or by stopping by A109.

The VA will only pay for courses required by the student's current approved program of study. Please refer to the college catalog for courses required under each program. If the student enrolls in non-approved courses, he/she is responsible for payment of the tuition and fees on their own.

- The VA does not pay for audited courses.
- The VA does pay for a repeated course IF the student received an unsuccessful grade on the previous attempt and the repeat is required for graduation from FCC.
- The VA does pay for courses designated as remedial, online, practicum, clinical, and internship/externship.

If a student ceases attendance in a course, does not officially withdraw and receives a failing grade, the student may be required to repay some or all of the education benefits that he/she received for that course.

The U.S. Department of Veterans Affairs requires that students who receive VA educational benefits must meet the standards of satisfactory progress as defined by the college. Students who fail to make satisfactory academic progress may lose their approval to receive VA educational benefits.

A student who must withdraw due to mitigating circumstances should contact the FCC VA Certifying Official immediately. The student shall be responsible for any charges that the VA does not cover.

Students receiving education benefits through Chapter 30, 1606 or 1607 will not receive their monthly payment until they have certified their enrollment via Web Automated Verification of Enrollment (WAVE). This must be done monthly.

## Transfer Students

Students who have attended other institutions of higher education prior to attending FCC must complete the following steps.

- Apply for admission to FCC.
- Choose an approved program of study.
- Have official copies of all prior college transcripts submitted to Registration and Records for evaluation.
- Schedule an appointment with a Veteran and Military Services advisor by calling 301.624.2836 or stopping by A109.
- Complete the VA Student Questionnaire.
- Complete VA Form 22-1995 or VA Form 22-5495.
- Register for classes.

## Guest Students

Students who are attending FCC as their host institution to obtain credit for a degree program at their primary institution must complete the following steps.

- Apply for admission to FCC.
- Complete the Guest Student Declaration of Intent.
- Schedule an appointment with a Veteran and Military Services advisor by calling 301.624.2836 or stopping by A109.

## Evaluation of Military Credit

All veterans must have their official military transcripts submitted to Registration and Records for evaluation of transferable credit. FCC will accept up to 45 credits in military and other transfer credit toward an FCC degree program. Links to the branches of service transcript request procedures can be found at [frederick.edu/vms](http://www.frederick.edu/vms) (<http://www.frederick.edu/vms/>).

## Education Benefit Chapters

- Chapter 30 – Montgomery GI Bill<sup>®</sup> (Active Duty)
- Chapter 31 – Veteran Readiness and Employment (VR&E)
- Chapter 33 – Post 9/11 GI Bill
- Chapter 35 – Survivors' and Dependents' Educational Assistance Program (DEA)
- Chapter 1606 – Montgomery GI Bill (Selected Reserve)

# ACADEMIC DEPARTMENTS

There are multiple academic departments at Frederick Community College within Liberal Arts (p. 63) and Health, Business, Technology & Science (p. 63). There are also several academic programs offered by Continuing Education & Workforce Development (CEWD) (p. 64) and the Mid-Atlantic Center for Emergency Management & Public Safety (MACEM&PS) (p. 64). Each department has a department chair and/or program manager(s) responsible for academic matters within that department. Following is a list of credit programs of study offered by the various departments.

## Liberal Arts

**Associate Vice President for Academic Affairs/Dean of Liberal Arts:** Dr. Brian Stipelman

### Communication, Humanities & Arts

**Chair:** Dr. Kathy Brooks (301.846.2635)

- American Sign Language (ASL) Interpreter Preparatory Program A.A.S. Degree
- American Sign Language (ASL) Interpreter Preparatory Program Certificate
- American Sign Language Certificate
- Arts & Humanities A.A. Degree
- Art Area of Concentration
- Audio Production Certificate
- Audio Production Technology Area of Concentration
- Communication Area of Concentration
- Film & Video Production Area of Concentration
- Film & Video Production Certificate
- Graphic Design A.A.S. Degree
- Graphic Design Certificate
- Mass Communication Area of Concentration
- Music Area of Concentration
- Theatre Area of Concentration

### English

**Chair:** Anne Hofmann (240.629.7926)

- English Area of Concentration

### Mathematics

**Chair:** Kylena Cross (240.629.7835)

- Mathematics Area of Concentration

### Social Sciences and Education

**Chair:** Dr. Bruce Thompson (301.846.2535)

- Addictions Counseling A.A.S. Degree
- Addictions Counseling Certificate
- Child Care Preschool and School Age Teacher Training Certificate
- Child Care Preschool Teacher Letter of Recognition
- Civil War Studies Certificate
- Early Childhood Development A.A.S. Degree
- Early Childhood Development Certificate

- Early Childhood Education/Early Childhood Special Education A.A.T. Degree
- Education Area of Concentration
- Elementary Education/Elementary Special Education A.A.T. Degree
- English Education A.A.T. Degree
- History Area of Concentration
- Human Services Area of Concentration
- Mathematics Education A.A.T. Degree
- Psychology Area of Concentration
- Social Sciences A.A. Degree
- Sociology Area of Concentration
- Spanish Education A.A.T. Degree

## Honors College

**Honors Coordinator:** Dr. Bruce Thompson (301.846.2535)

- Honors Notation on Transcript

## Health, Business, Technology & Science

**Associate Vice President for Academic Affairs/Dean of Health, Business, Technology, and Science:** Dr. Sandra McCombe Waller

### Health Science

- Coaching Letter of Recognition
- Fitness/Personal Trainer Certificate
- Health and Exercise Sciences Area of Concentration
- Healthcare Practice Management Certificate
- Medical Assistant A.A.S. Degree
- Medical Assistant Certificate
- Medical Scribe Letter of Recognition
- Nursing A.S. Degree
- Practical Nursing Certificate
- Pre-Health Professions Area of Concentration
- Respiratory Care A.A.S. Degree
- Surgical Technology A.A.S. Degree

### Computing & Business Technology

**Chair:** Dr. Karen Wilson (301.624.2848)

- Access to Justice Letter of Recognition
- Accounting A.A.S. Degree
- Accounting Letter of Recognition
- Agricultural Business Basics Letter of Recognition
- Business Accounting Certificate
- Business Administration A.A. Degree
- Business Basics Letter of Recognition
- Business Management A.A.S. Degree
- Business Management Certificate
- Cloud Computing Certificate
- Computer Animation Certificate
- Computer Science A.S. Degree
- Computer Science Studies Certificate
- Computer Studies Certificate

- Computer Support Specialist Certificate
- Computerized Accounting Certificate
- CPA Exam Qualification Certificate
- Cybersecurity Area of Concentration
- Entrepreneurship and Small Business Start-Up Certificate
- Game and Simulation Development A.A.S. Degree
- Game Programming Certificate
- Healthcare Practice Management Certificate
- Information Security and Assurance Certificate
- Information Technology Specialist Area of Concentration
- Network Engineering Area of Concentration
- Paralegal A.A.S. Degree
- Paralegal Certificate
- Project Management Certificate
- Retail Management Certificate
- Social Media Management Certificate
- Software Engineering Area of Concentration
- STEM Technology A.A.S. Degree

## Science

**Chair:** Dr. Teresa Calzonetti (301.846.2557)

- Biology Area of Concentration
- Biotechnology A.A.S. Degree
- Biotechnology Certificate
- Biotechnology Letter of Recognition
- Chemistry Area of Concentration
- Engineering Area of Concentration
- STEM: Science, Technology, Engineering, and Mathematics A.S. Degree

# CEWD Academic Programs

**Associate Vice President for Continuing Education and Workforce**

**Development:** Patricia Meyer

## Construction & Applied Technologies Institute (CATI)

**Program Manager:** Chuck LoSchiavo (240.629.7902)

- Architectural Computer Aided Design Certificate
- Building Trades Technology Certificate (Track 1: HVAC, Track 2: Welding, Track 3: Electrical)
- Computer Aided Design Operator Certificate
- Computer Aided Design Technology Area of Concentration
- Computer Aided Design (Engineering) Technology Area of Concentration
- Construction Management & Supervision Certificate
- Construction Management Technology Area of Concentration
- Electrical Letter of Recognition
- HVAC Letter of Recognition
- Welding Letter of Recognition

## Hospitality, Culinary and Tourism Institute (HCTI)

**Institute Manager:** Elizabeth DeRose (301.846.2404)

- Culinary Arts and Supervision A.A.S. Degree
- Culinary Skills Certificate
- Culinary Skills Letter of Recognition
- Hospitality Management A.A.S. Degree
- Hospitality Management Certificate
- Hospitality Skills Letter of Recognition

# Mid-Atlantic Center for Emergency Management & Public Safety (MACEM&PS)

**Executive Director, Mid-Atlantic Center for Emergency Management & Public Safety Programs:** Kathy Francis

## Emergency Management

**Program Manager:** Diana Culp (240.629.7952)

- Emergency Management Track I: FEMA Independent Study A.A.S. Degree
- Emergency Management Track II: Residency Program A.A.S. Degree
- Emergency Management Certificate
- Emergency Management - Professional Development Letter of Recognition
- GIS-Public Safety Letter of Recognition
- Tactical Scholars Program Letter of Recognition

## Public Safety

**Interim Program Manager:** Matthew Moxley (301.846.2687)

- Corrections Certificate
- Criminal Justice Area of Concentration
- Fire Service Administration A.A.S. Degree
- Police Science A.A.S. Degree

# CONTINUING EDUCATION & WORKFORCE DEVELOPMENT (CEWD)

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Patricia Meyer (240.629.7905)

*Associate Vice President of Continuing Education and Workforce Development*

## Career & Technical Training

Kathi Groover (301.846.2682)

*Program Manager*

- Accounting, Bookkeeping & Finance
- Automotive Technology
- Business
- Child Care Careers
- Computer & Software Applications
- Cybersecurity
- Digital Fabrication
- Drone Technology
- Electronics & Robotics
- IT Certification Preparation
- MS Office Suite Workshops
- Professional Development
- Real Estate & Home Inspection
- Web Development, Coding & Programming

## Construction & Applied Technologies Institute (CATI)

Chuck LoSchiavo (240.629.7902)

*Program Manager*

- Computer Aided Design
- Construction Management
- Electrical
- HVAC
- Industry Test Prep
- Safety
- Welding

## Healthcare Careers

Danielle Stoffer (240.629.7904)

*Program Manager*

- Certified Nursing Assistant (CNA/GNA)
- CPR & First Aid
- Dental Assisting & Dental Radiography
- Medical Billing & Coding
- Patient Care Technician
- Phlebotomy Technician
- Professional Development

- Sterile Processing
- Veterinary Assistant

## Hospitality, Culinary & Tourism Institute (HCTI)

Elizabeth DeRose (301.846.2404)

*Institute Manager*

- Culinary Skills
- Hospitality Management

## Adult Education

Angel Marshall (240.629.7927)

*Adult Education & ESOL Director*

- Adult Basic Education
- English as a Second Language, Beginning through Advanced
- External Diploma Program (EDP)
- Family Literacy
- GED® Test
- Pre-Diploma

## Institute for Learning in Retirement (ILR)

Kelli Ackiewicz (301.864.2561)

*Program Manager*

- Arts & Music
- Computers & Technology
- Health & Wellness
- History, Cultures & Current Issues
- Home & Hobby
- Learning on Location
- Life Planning & Finances
- Literature, Theater & Writing
- Philosophy, Religion & Exploration
- Science & Nature

## Lifelong Learning

Kelli Ackiewicz (301.864.2561)

*Program Manager*

- Arts & Music
- Food & Drink
- Home & Hobby
- Languages & ASL
- Motorcycle Safety
- Photography
- Writer's Institute

## Youth & Community Education

Karen Freeman (301.846.2427)

*Program Manager*

- ACT/SAT Test Prep
- Arts, Music & Culinary Delights
- Cadence Music Program

- Health, Fitness & Safety
- Kids and Teens on Campus
- LEGO<sup>®</sup>, Technology, Robotics & MORE!
- Science, Math & STEM
- Study Skills
- Thrive

# DEGREE REQUIREMENTS

## Description of Degrees

The Credit Programs of Study (p. 73) section contains a listing and information regarding credit programs of study offered by FCC. This information describes and outlines requirements for both transfer programs and career programs, including degrees, certificates, and letters of recognition. The Continuing Education Workforce Training Certificates (p. 223) section contains a listing and information regarding CEWD programs of study offered by FCC. This information describes and outlines requirements for programs leading to a Workforce Training Certificate.

Frederick Community College awards an associate's degree to those students who complete a prescribed curriculum with a 2.000 grade point average or better.

Transfer programs are designed to prepare students to transfer to a baccalaureate-granting institution. Students completing the described programs will ordinarily be received as juniors at receiving colleges. Transfer programs are designated with the word transfer following the program title, (e.g. History–Transfer). The associate of arts (A.A.) degree, the associate of science (A.S.) degree, or the associate of arts in teaching (A.A.T.) degree is awarded upon the completion of transfer programs.

Career programs are designed for those students who wish to seek employment in a specific career immediately upon completion of coursework that leads to an associate's degree. Although the majority of the coursework will transfer to other institutions, these programs are oriented toward employment in entry-level positions. Career programs are designated with the word career following the program title (e.g., Accounting Program–Career). The associate of applied science (A.A.S.) degree is awarded upon the completion of most career programs.

The Certificate is awarded to those students who complete a prescribed curriculum of specialized training with a 2.000 grade point average or better.

## Program Requirements

### Associate of Arts (A.A.) Degree & Associate of Science (A.S.) Degree

To be eligible to receive the associate of arts or associate of science degree, students must:

1. Successfully complete a prescribed curriculum as approved by the college.
2. Complete a minimum of 60 credit hours.
3. Complete a core of at least 31 credit hours of general education courses that will include the following: ENGL 101 English Composition (grade of 'C' or better); arts, humanities and communications (one course from each discipline) 9 credits; social & behavioral sciences (one course each from two disciplines)–6 credits; biological & physical sciences (two courses, one of which must be a laboratory course)–7/8 credits; mathematics–3/4 credits; and an additional general education elective course–3 credits which may be selected from any General Education category. For the complete list of general education courses see General Education CORE (p. 69).
4. Complete one course designated as a course in cultural competence. For the complete list of cultural competence

courses see the Cultural Competence Requirement (p. 72) list.

5. Complete a physical education, health, or nutrition course (1/3 credits).
6. Obtain a minimum grade point average of 2.000 (in addition, certain programs of study may require a 2.000 grade point average for all designated major courses).
7. Complete at least 15 semester hours of academic credit at FCC.
8. Complete a graduation application and submit to Registration and Records.

Degrees are conferred three times a year: August, December, and May. The official ceremony is held annually in May.

### Associate of Arts in Teaching (A.A.T.) Degree

To be eligible to receive the associate of arts in teaching degree, students must:

1. Successfully complete a prescribed curriculum as approved by the college.
2. Complete a minimum of 60 credit hours.
3. Complete a core of at least 31 credit hours of general education courses that will include the following: ENGL 101 English Composition (grade of 'C' or better); arts, humanities and communications (one course from each discipline) 9 credits; social & behavioral sciences (one course each from two disciplines)–6 credits; biological & physical sciences (two courses, one of which must be a laboratory course)–7/8 credits; mathematics–3/4 credits and an additional general education elective course. For a complete list of general education courses see General Education CORE (p. 69).
4. Complete 45 hours of observation in a school based setting, as part of Education Coursework.
5. Complete one course designated as a course in cultural competence. For the complete list of cultural competence courses see the Cultural Competence Requirement (p. 72) list.
6. Complete a Wellness course (3 credits).
7. Earn a 'C' or better in all courses used to satisfy the A.A.T. program of study AND earn a minimum of 2.75 GPA and provide Registration and Records with an official copy of acceptable scores on one of the following state approved standardized tests: SAT, ACT, GRE, or PRAXIS CORE OR achieve a minimum GPA of 3.0.
8. Complete at least 15 semester hours of academic credit at FCC.
9. Complete a graduation application and submit to Registration and Records.

Degrees are conferred three times a year: August, December, and May. The official ceremony is held annually in May.

### Associate of Applied Science (A.A.S.) Degree

To be eligible to receive the associate of applied science degree, students must:

1. Successfully complete a prescribed curriculum as approved by the college.
2. Complete a minimum of 60 credit hours.
3. Complete a core of at least 20 credit hours of general education courses that will include at least one three- or four-credit

course from each of the following areas: ENGL 101 English Composition (grade of 'C' or better); arts, humanities & communications; social & behavioral sciences; biological & physical sciences; and mathematics. For the complete list of general education courses, see General Education CORE (p. 69).

4. Complete one course designated as a course in cultural competence. For the complete list of cultural competence courses see the Cultural Competence Requirement (p. 72) list.
5. Complete a physical education, health, or nutrition course (1/3 credits).
6. Obtain a minimum grade point average of 2.000 (in addition, certain programs of study may require a 2.000 grade point average for all designated major courses).
7. Complete at least 15 semester hours of academic credit at FCC.
8. Complete a graduation application and submit to Registration and Records.

Degrees are conferred three times a year: August, December, and May. The official ceremony is held annually in May.

## Certificate Requirements

To be eligible to receive the certificate, students must:

1. Complete a prescribed curriculum of at least twelve (12) credits as approved by the college.
2. Obtain a minimum grade point average of 2.000.
3. Complete at least 25% of the Certificate credit at FCC. *Exception to this requirement for the CPA Exam Qualification certificate only.*
4. Complete a graduation application and submit it to Registration and Records.

Certificates are conferred three times a year: August, December, and May. The official ceremony is held annually in May.

## Letter of Recognition (LOR)

The following are the requirements to be eligible to receive a letter of recognition:

1. Complete a prescribed curriculum of at least six (6) credits as approved by the College.
2. Obtain a minimum grade point average of 2.000 in the courses required by the Letter of Recognition.
3. Complete at least 25% of the LOR credits at FCC.
4. No course substitutions are allowed.
5. Complete an application for graduation.

Letters of Recognition are awarded three times a year: August, December, and May. Letter of Recognition recipients do not take part in commencement ceremonies, unless they have also completed a degree or certificate.

## Workforce Training Certificate (WTC)

To be eligible to receive a Workforce Training Certificate, students must:

1. Complete a course or series of courses identified as a Workforce Training Certificate program, as approved by the College.
2. Complete courses on the basis of competency.

Please note:

- No course substitutions are allowed.
- Students can request approval to transfer up to 25% of total Certificate contact hours of prior learning from an accredited institution for some Workforce Training Certificates.
- Workforce Training Certificates are issued each month.
- Workforce Training Certificate recipients do not take part in commencement ceremonies, unless they have also completed a degree or certificate.

## Completion Note for Degree and Certificate Programs

All associate degree programs require minimum coursework of 60 semester credit hours. Because of many factors (student work schedules, class scheduling problems, required developmental work, certain prerequisites, etc.) the average full-time student may take somewhat longer to complete a degree program. However, almost all associate degree transfer programs are designed to allow full-time students to complete all requirements over a period of two calendar years. Certificates and letters of recognition require substantially fewer semester credit hours and are normally completed in less time than associate degree programs. Due to insufficient enrollment, certain courses in career programs may not be offered every year. In order not to delay graduation, students may consult with the appropriate department chair and identify substitutes for such courses.

## Gainful Employment Program Information

Frederick Community College prepares students to meet the challenges of a diverse, global society through quality, accessible, innovative, lifelong learning. In addition to preparing students for transfer to four-year institutions and offering personal enrichment, FCC offers degrees, certificates and programs for workforce preparation to enhance the quality of life and economic vitality of our region.

As you consider the wide array of educational opportunities available to you at the college, we invite you to learn more about the employment outlook for the career(s) that interest you. Please visit our Gainful Employment webpage at [www.frederick.edu/gainfulemployment](http://www.frederick.edu/gainfulemployment) (<http://www.frederick.edu/gainfulemployment/>) where you will find information including how long each program generally takes to complete, the approximate cost, the number of students who complete the program on time, and the median amount of loans borrowed by students in the program. Additionally, contact information is provided for each Gainful Employment program.

This information is provided in compliance with the U.S. Department of Education Gainful Employment Programs Disclosure regulations.

# GENERAL EDUCATION CORE

Effective summer 2019, most credit courses have been renumbered. The former course numbers are listed in the course descriptions when applicable. A reference document of the old and new course numbers can also be found on the web at <https://www.frederick.edu/class-schedules.aspx?cid=schedules-top-link>.

The general education CORE is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. The general education CORE is designed to introduce undergraduates to the fundamental knowledge, skills and values which are essential to the study of academic disciplines, to the pursuit of life-long learning and to the development of educated members of the community and the world. The complete list of general education goals is listed below.

For programs awarding the associate of arts (A.A.) degree, the associate of science (A.S.) degree, or the associate of arts in teaching (A.A.T.) degree, the general education CORE consists of at least 31 credit hours which must include the following:

Code	Title	Credits
ENGL 101	English Composition <sup>1</sup>	3
Arts, Humanities & Communications (three courses, one selected from each area)		9
Social & Behavioral Sciences (two courses, selected from different disciplines)		6
Biological & Physical Science (two courses, one of which must be a lab science)		7-8
Mathematics (one course)		3-4
Interdisciplinary & Emerging Issues (optional)		
Total Credits		28-30

1

Students must earn a grade of C or better.

For programs awarding the associate of applied science (A.A.S.) degree, the general education CORE consists of at least 20 credit hours which must include the following:

Code	Title	Credits
ENGL 101	English Composition <sup>1</sup>	3
Arts, Humanities & Communications (one course)		3
Social & Behavioral Sciences (one course)		3
Biological & Physical Sciences (one course)		3-4
Mathematics (one course)		3-4
Total Credits		15-17

1

Students must earn a grade of C or better.

Students in the associate of arts in teaching (A.A.T.) program should complete the approved general education courses listed in the A.A.T. program of study.

## General Education Goals

- I. Students will demonstrate college-level communications skills.
- II. Students will demonstrate critical thinking skills.
- III. Students will demonstrate the capacity for systems thinking about ways in which individuals, groups, institutions, and societies interrelate.
- IV. Students will demonstrate quantitative problem solving.
- V. Students will apply scientific reasoning.
- VI. Students will demonstrate technological competence.

VII. Students will interpret and apply academic, professional, and civic ethics.

VIII. Students will be able to make informed critical responses to the visual, performing and literary arts and to the human values expressed in all art forms.

IX. Students will evaluate personal wellness to make critically informed lifestyle choices reflecting an understanding of wellness.

X. Students will demonstrate cultural competence.

## CORE Courses

All General Education courses listed on this page may be taken in the Honors format, when offered, and designated with an 'H' (e.g., MATH 101H) in the class schedule.

### 1. Arts & Humanities

#### Arts

Code	Title	Credits
ARTT 100	Introduction to the Creative Arts	3
ARTT 101	Foundations of Studio Art I	3
ARTT 103	The History of Art: Non-Western	3
ARTT 104	The History of Art: Prehistoric to Early Renaissance	3
ARTT 105	The History of Art: Renaissance to Modern	3
ARTT 106	Drawing I	3
ARTT 113	Pottery I	3
COMM 111	Introduction to Mass Communication	3
FILM 101	Introduction to Film	3
GRPH 105	Basic Darkroom to Digital Photography	3
MUSC 101	Music History and Appreciation	3
MUSC 103	Fundamentals of Music	3
MUSC 109	American Popular Music	3
MUSC 201	Music Cultures of the World	3
THEA 100	Introduction to Theatre	3

#### Notes:

- ARTT 100 Introduction to the Creative Arts, ARTT 103 The History of Art: Non-Western, ARTT 104 The History of Art: Prehistoric to Early Renaissance, ARTT 105 The History of Art: Renaissance to Modern, MUSC 201 Music Cultures of the World and THEA 100 Introduction to Theatre satisfy Cultural Competence Requirement.
- COMM 111 Introduction to Mass Communication can be taken to satisfy either the General Education requirement in Arts or in Communication, but not both.

#### Communication

Code	Title	Credits
COMM 101	Introduction to Communication Studies	3
COMM 102	Interpersonal Communication	3
COMM 103	Public Speaking	3
COMM 105	Small Group Communication	3
COMM 107	Career Communication	3
COMM 109	Basic Conflict Mediation	3
COMM 111	Introduction to Mass Communication	3
ENGL 102	English Composition and Literature	3
ENGL 241	Journalism Publication Practicum	3

#### Notes:

- COMM 102 Interpersonal Communication satisfies Cultural Competence Requirement.

- COMM 105 Small Group Communication and ENGL 241 Journalism Publication Practicum satisfy Cultural Competence Requirement.
- COMM 111 Introduction to Mass Communication can be taken to satisfy either the General Education requirement in Arts or in Communication, but not both.
- ENGL 102 English Composition and Literature can be taken to satisfy either the General Education requirement in Communication or in Humanities, but not both.
- ENGL 241 Journalism Publication Practicum can be taken to satisfy either the General Education requirement in Communication or in Humanities, but not both.

## Humanities

Code	Title	Credits
ARBC 101	Introductory Arabic I	3
ARBC 102	Introductory Arabic II	3
ASLS 121	American Sign Language I	3
ASLS 122	American Sign Language II	4
ASLS 223	American Sign Language III	4
ASLS 224	American Sign Language IV	4
ASLS 225	American Sign Language V	4
CHIN 101	Introductory Chinese I	4
ENGL 102	English Composition and Literature	3
ENGL 201	British Literature Anglo-Saxon Period to the Eighteenth Century	3
ENGL 202	British Literature Eighteenth Century through the Present	3
ENGL 203	American Literature Pre-Colonial through Civil War Periods	3
ENGL 204	American Literature Civil War Period through the Present	3
ENGL 205	World Literature through 1650 C.E.	3
ENGL 206	World Literature 1650 C.E. through the Present	3
ENGL 216	The Short Story	3
ENGL 226	Film as Literature	3
ENGL 227	Multiculturalism and Literature: Borders, Boundaries, and Belonging	3
ENGL 230	African American Literature	3
ENGL 231	English Language Studies	3
ENGL 241	Journalism Publication Practicum	3
FREN 101	Introductory French I	3
FREN 102	Introductory French II	3
FREN 201	Intermediate French I	3
FREN 202	Intermediate French II	3
GERM 101	Introductory German I	3
GERM 102	Introductory German II	3
GERM 201	Intermediate German I	3
GERM 202	Intermediate German II	3
HUMN 104	Humanities in a Digital World	3
HUMN 105	Cultural Studies: Latin America	3
HUMN 107	Cultural Studies: Asia	3
HUMN 204	World Religions	3
HUMN 210	The Language of Hip Hop	3
HUMN 223	Classical Mythology	3
ITAL 101	Introductory Italian I	3
ITAL 102	Introductory Italian II	3
ITAL 201	Intermediate Italian I	3
LATN 101	Introductory Latin I	3
LATN 102	Introductory Latin II	3
LATN 201	Intermediate Latin I	3
LATN 202	Intermediate Latin II	3
PHIL 101	Introduction to Philosophy	3
PHIL 102	Critical Thinking	3
PHIL 105	Ethics	3
PHIL 206	Symbolic Logic	3
PHIL 207	Biomedical Ethics	3

PHIL 208	Business Ethics	3
PHIL 210	Ethics and Film	3
RUSS 101	Introductory Russian I	3
RUSS 102	Introductory Russian II	3
RUSS 201	Intermediate Russian I	3
SPAN 101	Introductory Spanish I	3
SPAN 102	Introductory Spanish II	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3
SPAN 211	Spanish Conversation I	3

### Notes:

- ENGL 205 World Literature through 1650 C.E., ENGL 206 World Literature 1650 C.E. through the Present, ENGL 227 Multiculturalism and Literature: Borders, Boundaries, and Belonging, ENGL 230 African American Literature, ENGL 241 Journalism Publication Practicum, HUMN 105 Cultural Studies: Latin America, HUMN 107 Cultural Studies: Asia, HUMN 210 The Language of Hip Hop, FREN 201 Intermediate French I, FREN 202 Intermediate French II, SPAN 201 Intermediate Spanish I, SPAN 202 Intermediate Spanish II and SPAN 211 Spanish Conversation I satisfy Cultural Competence Requirement.
- ENGL 102 English Composition and Literature can be taken to satisfy either the General Education requirement in Communication or in Humanities, but not both.
- ENGL 241 Journalism Publication Practicum can be taken to satisfy either the General Education requirement in Communication or in Humanities, but not both.

## 2. English

Code	Title	Credits
ENGL 101	English Composition	3

## 3. Interdisciplinary & Emerging Issues

### Computer Literacy

Code	Title	Credits
CMIS 101	Information Systems and Technology	3
CMIS 106	Object Design and Programming	3

### Wellness

Code	Title	Credits
HLTH 150	Health Education	3
HLTH 160	Stress Management	3
NUTR 102	Nutrition in a Changing World	3
PHED 165	Fitness for Living	3

### Emerging Issues

Code	Title	Credits
ACCE 110	Academic Engagement Seminar	3
ACCE 110H	Academic Engagement Seminar	3
ACCE 140	Introduction to Leadership	3
ACCE 250	Global Scholar Experience	3
ASLS 124	Introduction to Deaf Community and History	3
BMGT 281	Global Awareness in the Work Environment	3
EMGT 101	Disaster, Crisis, and Emergency Management	3

### Note:

- ACCE 110 Academic Engagement Seminar, ACCE 250 Global Scholar Experience, ASLS 124 Introduction to Deaf Community and History and BMGT 281 Global Awareness in the Work Environment satisfy Cultural Competence Requirement.

## 4. Mathematics

Code	Title	Credits
MATH 101	Foundations of Mathematics	3
MATH 101A	Foundations of Mathematics	3
MATH 110	Fundamental Concepts of Mathematics I	4
MATH 120	Statistics	3
MATH 120A	Statistics	3
MATH 125	Business Statistics	3
MATH 127	Statistics with Probability	4
MATH 145	College Algebra	3
MATH 145S	College Algebra	3
MATH 165	Precalculus	4
MATH 175	Applied Calculus	3
MATH 185	Calculus I	4
MATH 195	Calculus II	4

## 5. Biological & Physical Sciences

Code	Title	Credits
BIOT 130	Forensic Biology	4
BIOT 140	Biotechnology and Society	3
BSCI 100	Fundamental Concepts of Biology	4
BSCI 105	Human Ecology	3
BSCI 106	General Ecology	4
BSCI 107	Study of the Human Body	3
BSCI 117	Human Biology	4
BSCI 150	Principles of Biology I	4
BSCI 160	Principles of Biology II	4
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
BSCI 223	Microbiology for Allied Health	4
CHEM 100	Chemistry and Society	4
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
PHSC 101	Survey of Physical Science	3
PHSC 104	Survey of Oceanography	3
PHSC 105	Survey of Meteorology	3
PHSC 109	Energy and Society	3
PHSC 111	Introduction to Physical Science	4
PHSC 112	Introduction to Earth Systems Science	4
PHSC 115	Introduction to Meteorology	4
PHSC 117	Introduction to Astronomy	4
PHSC 121	Physical Geology	4
PHSC 122	Historical Geology	4
PHYS 101	Survey of Physics	3
PHYS 121	Fundamentals of Physics I	4
PHYS 122	Fundamentals of Physics II	4
PHYS 151	General Physics I	4
PHYS 252	General Physics II	4

## 6. Social & Behavioral Sciences

### Anthropology

Code	Title	Credits
ANTH 101	Introduction to Anthropology	3

#### Note:

- ANTH 101 Introduction to Anthropology satisfies Cultural Competence Requirement.

### Economics

Code	Title	Credits
ECON 200	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3

#### Note:

- ECON 200 Principles of Macroeconomics satisfies Cultural Competence Requirement.

### Education

Code	Title	Credits
EDPS 210	Human Growth and Development	3
EDUC 110	Schools and Society	3

### Geography

Code	Title	Credits
GEOG 101	Elements of Geography	3
GEOG 102	Cultural Geography	3
GEOG 201	Urban Social Geography	3

#### Note:

- GEOG 102 Cultural Geography and GEOG 201 Urban Social Geography satisfy Cultural Competence Requirement.

### History

Code	Title	Credits
HIST 101	History of Western Civilization I	3
HIST 102	History of Western Civilization II	3
HIST 121	World History I	3
HIST 122	World History II	3
HIST 201	History of the United States I	3
HIST 202	History of the United States II	3
HIST 217	African-American History	3
HIST 220	World War II	3
HIST 221	The Sixties	3

#### Note:

- HIST 121 World History I, HIST 122 World History II and HIST 217 African-American History satisfy Cultural Competence Requirement.

### Political Science

Code	Title	Credits
POSC 104	American Government	3
POSC 220	Comparative Politics	3

### Psychology

Code	Title	Credits
PSYC 101	General Psychology	3
PSYC 202	Social Psychology	3

### Sociology

Code	Title	Credits
SOCY 101	Introduction to Sociology	3
SOCY 102	Social Problems	3
SOCY 210	Ethnic Diversity	3
SOCY 212	Gender and Society	3

#### Note:

- SOCY 102 Social Problems, SOCY 210 Ethnic Diversity and SOCY 212 Gender and Society satisfy Cultural Competence Requirement.

## Cultural Competence Requirement

Developing cultural competence is essential for living and working in a diverse democratic society. As part of the College degree requirements, students must complete a class that is designated a cultural competence course. Cultural competence courses expose students to the knowledge and skills necessary to participate effectively in dynamic, evolving multicultural contexts. Students will not be required to take an additional course for graduation; rather, courses can double-count to fulfill an existing general education requirement as well as the cultural competence requirement. Following is a list of courses that will fulfill the cultural competence requirement.

SURG 130	Introduction to Surgical Technology	6
THEA 100	Introduction to Theatre	3

Code	Title	Credits
ACCE 110	Academic Engagement Seminar	3
ACCE 110H	Academic Engagement Seminar	3
ACCE 250	Global Scholar Experience	3
ANTH 101	Introduction to Anthropology	3
ANTH 103	Introduction to Archeology	3
ARTT 100	Introduction to the Creative Arts	3
ARTT 103	The History of Art: Non-Western	3
ARTT 104	The History of Art: Prehistoric to Early Renaissance	3
ARTT 105	The History of Art: Renaissance to Modern	3
ASLS 124	Introduction to Deaf Community and History	3
BMGT 281	Global Awareness in the Work Environment	3
COMM 102	Interpersonal Communication	3
COMM 105	Small Group Communication	3
ECON 200	Principles of Macroeconomics	3
EDUC 230	Foundations of Special Education	3
EMGT 213	Social Impacts of Disaster	3
ENGL 205	World Literature through 1650 C.E.	3
ENGL 206	World Literature 1650 C.E. through the Present	3
ENGL 227	Multiculturalism and Literature: Borders, Boundaries, and Belonging	3
ENGL 230	African American Literature	3
ENGL 241	Journalism Publication Practicum	3
FEMA 221	Cultural Competence in Disaster: Before, During, and After	1
FREN 201	Intermediate French I	3
FREN 202	Intermediate French II	3
GEOG 102	Cultural Geography	3
GEOG 201	Urban Social Geography	3
HCTI 225	International and American Regional Cuisine	4
HIST 121	World History I	3
HIST 122	World History II	3
HIST 217	African-American History	3
HUMN 105	Cultural Studies: Latin America	3
HUMN 107	Cultural Studies: Asia	3
HUMN 204	World Religions	3
HUMN 210	The Language of Hip Hop	3
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MUSC 201	Music Cultures of the World	3
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PHED 155	Advanced Tai Chi - Cultural Perspective	3
PHIL 210	Ethics and Film	3
POSC 220	Comparative Politics	3
SOCY 102	Social Problems	3
SOCY 210	Ethnic Diversity	3
SOCY 212	Gender and Society	3
SPAN 201	Intermediate Spanish I	3
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SPAN 211	Spanish Conversation I	3

# CREDIT PROGRAMS OF STUDY

Effective summer 2019, most credit courses have been renumbered. The former course numbers are listed in the course descriptions when applicable. A reference document of the old and new course numbers can also be found on the web at <https://www.frederick.edu/class-schedules.aspx?cid=schedules-top-link>.

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## Accounting

Program website (<https://www.frederick.edu/programs/business/accounting.aspx>)

**Program Manager:** Mike Martin  
**Email:** mmartin@frederick.edu  
**Phone:** 301.846.2453

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## Accounting A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/business/accounting.aspx>)

**Program Manager:** Mike Martin  
**Email:** mmartin@frederick.edu  
**Phone:** 301.846.2453

## Program Description

Designed to prepare students for immediate employment in the accounting field in an entry-level professional position. Students will gain an in-depth knowledge of accounting principles and procedures and apply them to business situations. Students will also use application software to solve business and accounting problems. A grade of "C" or better must be earned in the following courses: ACCT 100 Business Accounting, ACCT 101 Principles of Accounting I, ACCT 201 Intermediate Accounting I, ACCT 202 Intermediate Accounting II, ACCT 233 Applied Accounting and ACCT 111 Computerized Accounting. (Transfer students should follow the business administration program.)

## Program Learning Outcomes

- Apply the steps in the accounting cycle to record accounting transactions and adjustments, and create financial statements according to generally accepted accounting principles.
- Construct a bank reconciliation and develop related adjusting accounting entries (books to bank statement).
- Create financial statements and record transactions/adjustments utilizing accounting software.
- Create payroll functions for a business entity.
- Construct spreadsheets to report financial performance and project financial estimates.
- Demonstrate the ability to communicate effectively in a business environment.
- Demonstrate a comprehensive understanding of accounting principles and their application as they relate to financial statements for all businesses, ranging from sole proprietorships to corporations.
- Apply managerial accounting concepts to solve business financial problems.
- Demonstrate awareness of general education concepts - writing, math, science, social science, communications, and PE/health.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
MATH 125	Business Statistics (recommended)	
<b>Social &amp; Behavioral Sciences</b>		
ECON 200	Principles of Macroeconomics	3
<b>Arts &amp; Humanities</b>		
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b> <sup>1</sup>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Interdisciplinary &amp; Emerging Issues</b>		
CMIS 101	Information Systems and Technology	3
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
ECON 202	Principles of Microeconomics	
PHIL 208	Business Ethics	
COMM 102	Interpersonal Communication	
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
ACCT 100	Business Accounting	3
ACCT 101	Principles of Accounting I	3
ACCT 102	Principles of Accounting II	3
ACCT 111	Computerized Accounting	3
ACCT 201	Intermediate Accounting I	4
ACCT 202	Intermediate Accounting II	4
ACCT 203	Managerial Cost Accounting	3
ACCT 233	Applied Accounting	3
Select one of the following:		3
ACCT 117	Payroll Accounting	
ACCT 205	Federal Income Tax Accounting	
ACCT 216	Governmental and Not-for-Profit Accounting	
BMGT 100	Spreadsheet Applications	3
BMGT 103	Introduction to Business	3

BMGT 120	Business Communications	3
Total Credits		60

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Transfer students articulating the Accounting A.A.S. degree to Mount St. Mary's University or University of Maryland Global Campus (UMGC) must complete a laboratory Science course to fulfill the articulation agreement.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Business Accounting Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/accounting.aspx>)

**Program Manager:** Mike Martin  
**Email:** [mmartin@frederick.edu](mailto:mmartin@frederick.edu)  
**Phone:** 301.846.2453

## Program Description

Prepares students working in the accounting field for career advancement opportunities. Students will gain an in-depth knowledge of accounting principles and procedures and apply them to business situations. Students will also use application software to solve business and accounting problems. A grade of "C" or better must be earned in the following courses: ACCT 100 Business Accounting, ACCT 101 Principles of Accounting I, ACCT 201 Intermediate Accounting I, ACCT 202 Intermediate Accounting II, ACCT 233 Applied Accounting and ACCT 111 Computerized Accounting.

## Program Learning Outcomes

- Apply the steps in the accounting cycle to record accounting transactions and adjustments, and create financial statements according to generally accepted accounting principles.
- Create financial statements and record accounting transactions & adjustments utilizing accounting software.
- Create payroll functions for a business entity.
- Construct spreadsheets to report financial performance and project financial estimates.
- Demonstrate a comprehensive understanding of accounting principles and their application as they relate to financial statements.
- Demonstrate the ability to communicate effectively in a business environment.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ACCT 100	Business Accounting	3
ACCT 101	Principles of Accounting I	3
ACCT 102	Principles of Accounting II	3
ACCT 111	Computerized Accounting	3
ACCT 201	Intermediate Accounting I	4
ACCT 202	Intermediate Accounting II	4

ACCT 203	Managerial Cost Accounting	3
ACCT 233	Applied Accounting	3
Select one of the following:		3
ACCT 117	Payroll Accounting	
ACCT 205	Federal Income Tax Accounting	
ACCT 216	Governmental and Not-for-Profit Accounting	
BMGT 100	Spreadsheet Applications	3
BMGT 103	Introduction to Business	3
BMGT 120	Business Communications	3
CMIS 101	Information Systems and Technology	3
Total Credits		41

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Computerized Accounting Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/accounting.aspx>)

**Program Manager:** Mike Martin  
**Email:** [mmartin@frederick.edu](mailto:mmartin@frederick.edu)  
**Phone:** 301.846.2453

## Program Requirements

Prepares students for immediate employment in the accounting field in a support position. Students will learn how to apply accounting concepts in a computerized environment to assist the business with their record keeping requirements. A grade of "C" or better must be earned in the following courses: ACCT 100 Business Accounting, ACCT 101 Principles of Accounting I, ACCT 111 Computerized Accounting.

## Program Learning Outcomes

- Apply the steps in the accounting cycle to record accounting transactions and adjustments, and create financial statements according to generally accepted accounting principles.
- Create financial statements and record accounting transactions and adjustments utilizing accounting software.
- Create payroll functions for a business entity.
- Construct spreadsheets to report financial performance and project financial estimates.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ACCT 100	Business Accounting	3
ACCT 101	Principles of Accounting I	3
ACCT 102	Principles of Accounting II	3
ACCT 111	Computerized Accounting	3
Select one of the following:		3
ACCT 117	Payroll Accounting	
ACCT 205	Federal Income Tax Accounting	
ACCT 216	Governmental and Not-for-Profit Accounting	
BMGT 100	Spreadsheet Applications	3
BMGT 120	Business Communications	3

CMIS 101	Information Systems and Technology	3
Total Credits		24

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Accounting Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/business/accounting.aspx>)

**Program Manager:** Mike Martin

**Email:** [mmartin@frederick.edu](mailto:mmartin@frederick.edu)

**Phone:** 301.846.2453

## Program Description

Provides students with basic accounting and computer skills including recording transactions using generally accepted accounting principles, preparing financial statements, and using a computerized accounting system.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ACCT 100	Business Accounting	3
CMIS 101	Information Systems and Technology	3
ACCT 111	Computerized Accounting	3
Total Credits		9

## CPA Exam Qualification Certificate

Program website (<https://www.frederick.edu/programs/business/accounting.aspx>)

**Program Manager:** Mike Martin

**Email:** [mmartin@frederick.edu](mailto:mmartin@frederick.edu)

**Phone:** 301.846.2453

## Program Description

Prepares students with a non-accounting baccalaureate degree to meet the course requirements to sit for the Uniform CPA Examination in Maryland. Upon completion of the following courses, students can apply to the Maryland State Board of Public Accounting.

## Program Learning Outcomes

- Apply the steps in the accounting cycle to record accounting transactions and adjustments, and create financial statements according to generally accepted accounting principles.
- Demonstrate a comprehensive understanding of accounting principles and their application as they relate to financial statements for all businesses.
- Apply managerial accounting concepts to solve business financial problems.

- Demonstrate a comprehensive understanding of auditing principles, generally accepted auditing standards; and their application to the examination of financial statements.
- Demonstrate a comprehensive understanding of federal tax law and principles as it applies to individuals, partnerships, and corporations.
- Demonstrate basic business conceptual knowledge as required by the Maryland State Board of Public Accountancy.
- Demonstrate awareness of ethics as required by the Maryland State Board of Public Accountancy.

## Program Requirements

Code	Title	Credits
<b>Accounting and Ethics Education</b>		
ACCT 100	Business Accounting	3
ACCT 101	Principles of Accounting I	3
ACCT 102	Principles of Accounting II	3
ACCT 201	Intermediate Accounting I	4
ACCT 202	Intermediate Accounting II	4
ACCT 203	Managerial Cost Accounting	3
ACCT 205	Federal Income Tax Accounting	3
ACCT 214	Auditing	3
ACCT elective		3
ACCT 216	Governmental and Not-for-Profit Accounting (recommended)	
PHIL 208	Business Ethics	3
or PHIL 105	Ethics	
Total Credits		32

## Requirements for Licensure (Information Only)

In addition to passing all parts of the Uniform CPA examination, students must meet three additional requirements for licensure in Maryland.

- Completion of a total of 150 college credits which must include 21 credit hours in six of the following seven business related groups.<sup>1</sup> The following FCC courses meet this requirement:

Code	Title	Credits
<b>Group 1: Statistics</b>		
MATH 120/120A	Statistics	3
MATH 125	Business Statistics	3
MATH 127	Statistics with Probability	4
<b>Group 2: Economics</b>		
ECON 200	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3
<b>Group 3: Management</b>		
BMGT 227	Principles of Management	3
<b>Group 4: U.S. Business Law</b>		
BMGT 211	Business Law	3
<b>Group 5: Marketing</b>		
BMGT 225	Marketing	3
<b>Group 6: Business Communication</b>		
BMGT 120	Business Communications	3
<b>Group 7: Computer Information Systems</b>		
CMIS 101	Information Systems and Technology	3

1

The State Board of Public Accounting also allows courses in the areas of finance and quantitative methods; however, FCC does not offer courses in these subjects.

- Completion of the AICPA's ethics self-study course.

- Submission of the Report of Practical Work Experience (RPE) to document 2,000 hours of accounting work experience.

Students are encouraged to contact the Accounting Program Manager with any questions relating to this certificate.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Addictions Counseling

Program website (<https://www.frederick.edu/programs/social-sciences/addictions-counseling.aspx>)

**Program Manager:** Dr. Kristen Wells

**Email:** [kwells@frederick.edu](mailto:kwells@frederick.edu)

**Phone:** 301.846.2696

- Addictions Counseling A.A.S. (Career) (p. 78)
- Addictions Counseling Certificate (Career) (p. 79)

## Addictions Counseling A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/social-sciences/addictions-counseling.aspx>)

**Program Manager:** Dr. Kristen Wells

**Email:** [kwells@frederick.edu](mailto:kwells@frederick.edu)

**Phone:** 301.846.2696

## Program Description

Prepares students who are seeking specific knowledge in substance abuse counseling to work with clients in a broad range of treatment settings. Basic counseling and interviewing skills, assessment and diagnosis of substance use and other mental disorders, treatment delivery, ethical practice, and field experience are emphasized.

*Certification for addictions counselors is required by the State of Maryland. The credentialing process requires a combination of a college degree in health or human services, specific coursework in addictions counseling, hours of internship and supervised experience, and passing a state-approved examination. Student should consult with an advisor and the Board of Professional Counselors in Maryland for specific certification requirements.*

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course

list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.

- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 120	Statistics	
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
SOCY 101	Introduction to Sociology	3
<b>Arts &amp; Humanities</b>		
COMM 102	Interpersonal Communication (satisfies Cultural Competence requirement)	3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) w/lab - Recommended course(s) below:		4
BSCI 117	Human Biology	
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
HUMS 103	Introduction to Social Work and the Human Services	4
HUMS 202	Techniques of Counseling	3
HUMS 203	Theories of Counseling (Spring)	3
HUMS 204	Ethics and Practice Issues in the Human Services and Addiction Counseling (Spring)	3
HUMS 205	Addictions Counseling Delivery (Spring)	3
HUMS 206	Pharmacology of Psychoactive Drugs (Spring)	3
HUMS 207	Theory and Practice of Group Counseling (Fall)	3
HUMS 208	Family Counseling (Fall)	3
PSYC 201	Developmental Psychology	3
PSYC 206	Abnormal Psychology	3
INTR 103	Internship <sup>1</sup>	3
INTR 103	Internship <sup>1</sup>	3
Total Credits		60

1

Students are required to complete two 3-credit Internship courses. For Addictions Counseling A.A.S. and Certificate students: HUMS 204 must be completed prior to enrolling in INTR 103.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Addictions Counseling Certificate (Career)

Program website (<https://www.frederick.edu/programs/social-sciences/addictions-counseling.aspx>)

**Program Manager:** Dr. Kristen Wells  
**Email:** [kwells@frederick.edu](mailto:kwells@frederick.edu)  
**Phone:** 301.846.2696

### Program Description

Prepares those seeking new careers in the field of addictions and for those who wish to advance in their present career by adding professional education in addictions to their credentials. Students may also choose to use these courses to fulfill continuing education (CEU) requirements for periodic renewal of certification or licensure. Certificate graduates may broaden their area of study to Social Work, Counseling, or Psychology at the bachelor's or master's level. Certification for addictions counselors is required by the State of Maryland.

### Program Learning Outcomes

- Describe the origins of social work and the other human service professions and discuss the current issues in the field through various writing assignments.
- Use theoretical frameworks supported by empirical research to understand individual behavior across the life span and apply in case examples.
- Identify and evaluate the major theories and techniques of social and clinical intervention applied in case examples.
- Demonstrate proficiency in basic helping skills by conducting a series of videotapes helping interviews.
- Apply critical thinking skills to professional human service practices.

### Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ENGL 101	English Composition	3
PSYC 101	General Psychology	3
PSYC 201	Developmental Psychology	3
or EDPS 210	Human Growth and Development	
PSYC 206	Abnormal Psychology	3
HUMS 202	Techniques of Counseling	3
HUMS 203	Theories of Counseling (Spring)	3
HUMS 204	Ethics and Practice Issues in the Human Services and Addiction Counseling (Spring)	3
HUMS 205	Addictions Counseling Delivery (Spring)	3
HUMS 206	Pharmacology of Psychoactive Drugs (Spring)	3
HUMS 207	Theory and Practice of Group Counseling (Fall)	3
or HUMS 208	Family Counseling (Fall)	
INTR 103	Internship <sup>1</sup>	3
INTR 103	Internship <sup>1</sup>	3
Total Credits		36

1

Students are required to take two semesters of INTR 103 Internship. For Addictions Counseling A.A.S. and Certificate students: HUMS 204 must be completed prior to enrolling in INTR 103.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## American Sign Language

Program website (<https://www.frederick.edu/programs/arts-humanities/american-sign-language-studies.aspx>)

**Program Manager:** Leslie Puzio  
**Email:** [lpuzio@frederick.edu](mailto:lpuzio@frederick.edu)  
**Phone:** 301.624.2783

- American Sign Language Certificate (Career) (p. 79)

## American Sign Language Certificate (Career)

Program website (<https://www.frederick.edu/programs/arts-humanities/american-sign-language-studies.aspx>)

**Program Manager:** Leslie Puzio  
**Email:** [lpuzio@frederick.edu](mailto:lpuzio@frederick.edu)  
**Phone:** 301.624.2783

### Program Description

Delivers an understanding of American Sign Language (ASL). Students work towards gaining fluency and mastery of this unique non-verbal language by acquiring foundational language skills and vocabulary. By introducing students to Deaf culture and history through curriculum and service learning hours, acceptance and knowledge of the Deaf community is developed.

By obtaining a certificate in American Sign Language, students have a strong foundation to further their studies in ASL discourse, interpreting, and education of the Deaf, or other related fields. This certificate also provides individuals with the skills they need to work with the Deaf community and Deaf individuals more effectively. This certificate can be used to meet the elective requirements of the A.A. degree in General Studies or Arts & Humanities as well as the A.A.S. degree in American Sign Language (ASL) Interpreter Preparatory Program.

### Program Learning Outcomes

- Students will apply and transfer their ASL skills at local Deaf community events.
- Students will produce a class project or presentation using ASL.
- Students will demonstrate their ASL skills in communicating with native ASL users.
- Students will employ ASL skills during their internship in a signing environment.
- Students will create a plan to master the ASLPI if they plan to enroll in the Sign Language Interpreter Preparatory Program (IPP).
- Students will be able to distinguish the language and culture between Deaf and hearing Americans.
- Students will develop basic skills and knowledge about the Deaf community and apply that skill and knowledge in higher education

or training programs to be ASL interpreters in the field of Deaf Education.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ASLS 121	American Sign Language I	3
ASLS 122	American Sign Language II	4
ASLS 123	American Sign Language Fingerspelling and Number Use	3
ASLS 223	American Sign Language III	4
ASLS 224	American Sign Language IV	4
Select one of the following:		
ASLS 250	ASL Immersion Experience	1
ASLS 299	Independent Study: American Sign Language Studies	
INTR 101	Internship	
Total Credits		19

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## American Sign Language (ASL) Interpreter Preparatory Program

Program website (<https://www.frederick.edu/programs/arts-humanities/sign-language-interpreter-preparatory-program.aspx>)

**Program Manager:** Leslie Puzio

**Email:** lpuzio@frederick.edu

**Phone:** 301.624.2783

- American Sign Language (ASL) Interpreter Preparatory Program A.A.S (Career) (p. 80)
- American Sign Language (ASL) Interpreter Preparatory Program Certificate (Career) (p. 81)

## American Sign Language (ASL) Interpreter Preparatory Program A.A.S (Career)

Program website (<https://www.frederick.edu/programs/arts-humanities/sign-language-interpreter-preparatory-program.aspx>)

**Program Manager:** Leslie Puzio

**Email:** lpuzio@frederick.edu

**Phone:** 301.624.2783

## Program Description

Prepares students to work as an entry-level American Sign Language (ASL) interpreter to facilitate and mediate communication between Deaf/hard of hearing and hearing people. Students will develop skills both receptive and expressive American Sign Language. Students will experience a variety of learning environments, including classroom work, laboratory practice and field placement. Students will be required to have both in-class and out-of-class experience with members of the Deaf community to further develop ASL fluency and cultural competency. Upon

graduation, students will be prepared to work as an entry-level interpreter in the field or to continue their studies at a four-year institution.

\* Students are required to maintain a B or higher in all ASLS and INTP courses in order to continue in the program. Students will be required to meet with the Program Manager for admission into the Program.

## Program Learning Outcomes

- Apply theoretical, ethical, cultural, and practical knowledge of the interpreting field needed to pass the RID certification knowledge written test.
- Understand major linguistic features of ASL and English and the major cultural features of Deaf and non-Deaf communities.
- Possess cognitive processing skills to effectively interpret between English and American Sign Language and to transliterate between spoken English and a signed form of English.
- Comprehend different modes of interpreting/transliterating (i.e. consecutive and simultaneous) and choose the appropriate mode in a given setting/situation.
- Provide an accurate and appropriate transfer of a message from a source language into a target language from the point of view of style, culture, and the linguistic needs of the consumers.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 120	Statistics	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
PSYC 101	General Psychology	
SOCY 101	Introduction to Sociology	
<b>Arts &amp; Humanities</b>		
Arts & Humanities Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
ENGL 231	English Language Studies	

COMM 103	Public Speaking	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>General Education Required Electives</b>		
ASLS 124	Introduction to Deaf Community and History (satisfies cultural competence requirement)	3
ASLS 225	American Sign Language V	4
<b>Physical Education, Health, or Nutrition Requirement</b> (waived for this program)		
<b>Departmental Requirements</b>		
ASLS 230	Deaf Culture and Oppression	3
ASLS 232	ASL Linguistics	3
INTP 104	Introduction to Interpreting	3
INTP 112	Foundations of Interpreting	3
INTP 114	Consecutive Interpreting	3
INTP 212	ASL to English Interpreting I	3
INTP 214	English to ASL Interpreting I	3
INTP 216	Transliterating I	3
INTP 222	ASL to English Interpreting II	3
INTP 224	English to ASL Interpreting II	3
INTP 226	Transliterating II	3
INTP 228	Interpreting Environments	1
INTP 230	Internship Seminar Interpreting Environments	1
INTR 103	Internship	3
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## American Sign Language (ASL) Interpreter Preparatory Program Certificate (Career)

Program website (<https://www.frederick.edu/programs/arts-humanities/sign-language-interpreter-preparatory-program.aspx>)

**Program Manager:** Leslie Puzio

**Email:** lpuzio@frederick.edu

**Phone:** 301.624.2783

## Program Description

Prepares students to work as an entry-level sign language interpreter to facilitate and mediate communication between Deaf/hard of hearing and hearing people. Students will develop skills in receptive and expressive American Sign Language. Students will experience a variety of learning environments, including classroom work, laboratory practice and field placement. Students will be required to have both in-class and out-of-class experience with members of the Deaf community to further develop ASL fluency and cultural competency. Upon graduation, students will be prepared to work as an entry-level interpreter in the field or to continue their studies at a four-year institution.

\* Students are required to maintain a B or higher in all ASLS and INTP courses in order to continue in the program. Students will be required to meet with the Program Manager for admission into the Program.

## Program Learning Outcomes

- Apply theoretical, ethical, cultural, and practical knowledge of the interpreting field needed to pass the RID certification knowledge written test.
- Understand major linguistic features of ASL and English and the major cultural features of Deaf and non-Deaf communities.
- Possess cognitive processing skills to effectively interpret between English and American Sign Language and to transliterate between spoken English and a signed form of English.
- Comprehend different modes of interpreting/transliterating (i.e. consecutive and simultaneous) and choose the appropriate mode in a given setting/situation.
- Provide an accurate and appropriate transfer of a message from a source language into a target language from the point of view of style, culture, and the linguistic needs of the consumers.

## Program Requirements

Code	Title	Credits
<b>Department Requirements</b>		
ASLS 124	Introduction to Deaf Community and History	3
ASLS 225	American Sign Language V	4
ASLS 230	Deaf Culture and Oppression	3
ASLS 232	ASL Linguistics	3
INTP 104	Introduction to Interpreting	3
INTP 112	Foundations of Interpreting	3
INTP 114	Consecutive Interpreting	3
INTP 212	ASL to English Interpreting I	3
INTP 214	English to ASL Interpreting I	3
INTP 216	Transliterating I	3
INTP 222	ASL to English Interpreting II	3
INTP 224	English to ASL Interpreting II	3
INTP 226	Transliterating II	3
INTP 228	Interpreting Environments	1
INTP 230	Internship Seminar Interpreting Environments	1
INTR 103	Internship	3
Total Credits		45

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Arts & Humanities

Program website (<https://www.frederick.edu/programs/arts-humanities.aspx>)

**Program Advisor:** Jenny Moore

**Email:** jmoore@frederick.edu

**Phone:** 240.629.7981

- Arts & Humanities A.A. (Transfer) (p. 82)
- Art Area of Concentration within Arts and Humanities A.A. (Transfer) (p. 83)
- Communication Area of Concentration within Arts and Humanities A.A. (Transfer) (p. 84)

- English Area of Concentration within Arts and Humanities A.A. (Transfer) (p. 84)
- Film & Video Production Area of Concentration within Arts and Humanities A.A. (Transfer) (p. 85)
- Film & Video Production Certificate (Career) (p. 86)
- Graphic Design Area of Concentration within Arts and Humanities A.A. (Transfer) (p. 87)
- Mass Communication Area of Concentration within Arts and Humanities A.A. (Transfer) (p. 87)
- Music Area of Concentration within Arts and Humanities A.A. (Transfer) (p. 88)
- Theatre Area of Concentration within Arts and Humanities A.A. (Transfer) (p. 89)

## Arts & Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/arts-humanities.aspx>)

**Program Advisor:** Jenny Moore

**Email:** [jmoore@frederick.edu](mailto:jmoore@frederick.edu)

**Phone:** 240.629.7981

### Program Description

The study of Arts and Humanities is the study of how human beings understand, express, and experience themselves and their culture. It includes language, literature, writing, art, theater, music, communications, digital media, and philosophy. Through the study of these disciplines, we learn how to think critically, independently, and imaginatively, how to understand the complexity of the world we live in and imagine a better one, and how to communicate effectively the variety of human experiences that define our individual and interconnected lives. The Associate of Arts in Arts & Humanities introduces students to a broad array of the Arts and Humanities, and prepares students to transfer to four-year institutions in Arts and Humanities disciplines. Some students will choose an approved Area of Concentration, while others will explore the Arts and Humanities more generally.

### Program Learning Outcomes

- Students will demonstrate understanding of major findings and ideas in Art, Communications, Graphic Design, Film & Video Production, English, Philosophy, Languages, Music, or Theater.
- Students will effectively communicate (verbally, artistically, and in writing).
- Students will be prepared to enter transfer institutions in Arts & Humanities fields.
- Students will demonstrate critical and creative thinking skills in Arts and Humanities disciplines.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer

institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>

- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Three Gen Ed courses, one selected from each area:		9
Arts Elective (Gen Ed course list) (p. 69)		
Humanities Elective (Gen Ed course list) (p. 70)		
Communication Elective (Gen Ed course list) (p. 69)		
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) w/lab		4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Electives</b>		
Select 28 credit hours <sup>1,2</sup>		28
Total Credits		60

1

Take a minimum of 15 credits of Arts & Humanities electives from any of the disciplines listed below. At least 6 credits must be in the same discipline. It is imperative that students consult with an advisor before registering to maximize transfer of coursework.

- Art (ARTT)
- American Sign Language Studies (ASLS)
- Communication (COMM)
- English Literature (ENGL)
- Film & Video Production (FILM)
- Graphic Design (GRPH)
- Humanities (HUMN)
- Music (MUSC)
- Philosophy (PHIL)
- Theater (THEA)
- World Languages (ARBC, CHIN, FREN, GERM, ITAL, LATN, RUSS, SPAN)

2

- Students majoring in the Associate of Arts in Arts & Humanities without an Area of Concentration should follow the curriculum outlined above and will have 13 unrestricted elective credits.
- Students majoring in an Area of Concentration will follow the curriculum for their major (Art; Communication; English; Film & Video Production; Mass Communication; Music; Theatre).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Art Area of Concentration within Arts and Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/art.aspx>)

**Program Manager:** Wendell Poindexter

**Email:** [wpindexter@frederick.edu](mailto:wpindexter@frederick.edu)

**Phone:** 301.846.2513

## Program Description

Enables the student to explore and develop areas of concentration which may lead to an associate in arts degree, transfer to a four-year college program, or to pursue individual artistic directions.

## Program Learning Outcomes

- To recognize the elements of composition, design and technique of a work of art.
- To analyze and critique works of art within their cultural and historical context.
- To produce works of art in a variety of media.
- To demonstrate and appreciate the creative process through research, development, and execution.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.

- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
ARTT 101	Foundations of Studio Art I	3
ARTT 102	Foundations of Studio Art II	3
Select two of the following (satisfies cultural competence requirement (p. 72)):		6
ARTT 103	The History of Art: Non-Western	
ARTT 104	The History of Art: Prehistoric to Early Renaissance	
ARTT 105	The History of Art: Renaissance to Modern	
ARTT 106	Drawing I	3
Select an elective in ARTT or GRPH in consultation with an advisor <sup>1</sup>		3
<b>Electives</b>		
Select ten credits of the following recommended electives (depending on the transfer institution): <sup>1</sup>		10
ARTT 100	Introduction to the Creative Arts	
ARTT 103	The History of Art: Non-Western	
ARTT 107	Drawing II	
ARTT 108	Introduction to Color Theory and Design	
ARTT 110	Introduction to Watercolor I	
ARTT 113	Pottery I	
ARTT 114	Pottery II	
ARTT 204	Illustration I	
ARTT 205	Illustration II	
ARTT 206	Introduction to Figure Study	
ARTT 207	Painting I	
ARTT 208	Painting II	
ARTT 210	Sculpture	
ARTT 220	Intermediate Sculpture	
GRPH 111	Graphic Design I	
GRPH 112	Graphic Design II	
FILM 134	Digital Photography I	
Total Credits		60

<sup>1</sup>

Students should check with an advisor or transfer institution (ARTSYS) before selecting electives.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer

Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Communication Area of Concentration within Arts and Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/communication.aspx>)

**Program Manager:** Dr. Kathy Brooks

**Email:** [kbrooks@frederick.edu](mailto:kbrooks@frederick.edu)

**Phone:** 301.846.2635

### Program Description

Designed for students interested in all fields stressing human interaction. In addition to communication courses, a broad range of social science and humanities courses are recommended. The area of concentration is designed to prepare the student to transfer to a four-year institution.

### Program Learning Outcomes

- Modify verbal and nonverbal communication appropriately given the purpose and the context of the communication.
- Plan, prepare, and deliver a well-organized, logical oral presentation that demonstrates critical thinking skills.
- Use appropriate presentation techniques (e.g. maintain eye contact, modulate voice, avoid distracting mannerisms, etc.)
- Employ appropriate discussion, negotiation, conflict resolution, and cooperation skills to work with people from a variety of experiences and backgrounds in the community and the workplace.
- Apply relevant criteria and standards when evaluating information, claims, and arguments.
- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Demonstrate appropriate methods of integrating and documenting outside sources.
- Demonstrate effective listening behaviors in both interpersonal and group situations.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place

of a 1-credit course. Students should check with an advisor before selecting this course.

- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
<b>General Education Elective</b>		
Arts & Humanities Elective (Gen Ed course list) (p. 69) - select one Arts & Humanities course from Music, Theatre, Visual Arts, English, Languages, or Philosophy		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
Complete the following courses <sup>1</sup>		12
COMM 101	Introduction to Communication Studies	
COMM 103	Public Speaking	
COMM 105	Small Group Communication (satisfies cultural competence requirement)	
COMM 201	Foundations of Communication Theory (Spring)	
<b>Electives</b>		
Select 16 credit hours <sup>1,2</sup>		16
Total Credits		60

1

Students should check with an advisor or transfer institution (ARTSYS) before selecting their courses.

2

Depending on the transfer institution, recommended electives may include: COMM 107 Career Communication, electives in the Social Sciences, English, Film & Video, or World Language disciplines.

### Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## English Area of Concentration within Arts and Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/english.aspx>)

**Program Manager:** Anne Hofmann

**Email:** [ahofmann@frederick.edu](mailto:ahofmann@frederick.edu)

**Phone:** 240.629.7926

## Program Description

Offers a variety of literature, writing, and language classes for students pursuing a course of study in English or related fields for transfer to a four-year university.

## Program Learning Outcomes

- Collect, evaluate, use, and document research from a variety of sources for various purposes, including the construction of an argument.
- Produce presentations and documents that are clear, concise, substantive, and grammatically standard.
- Recognize, identify, and evaluate major literary techniques, terms, and trends.
- Demonstrate cultural awareness through writing, speaking, and literary analysis.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
	Mathematics Elective (Gen Ed course list) (p. 71)	3
<b>Social &amp; Behavioral Sciences</b>		
	Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines	6
<b>Arts &amp; Humanities</b>		
	Arts Elective (Gen Ed course list) (p. 69)	3
	Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:	3
PHIL 101	Introduction to Philosophy	
PHIL 105	Ethics	
	Communication Elective (Gen Ed course list) (p. 69)	3
<b>Biological &amp; Physical Sciences</b>		
	Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
	Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)	4
<b>General Education Elective</b>		
	General Education Elective (Gen Ed course list) (p. 69)	3
<b>Physical Education, Health, or Nutrition Requirement</b>		

Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
ENGL 102	English Composition and Literature	3
Select three of the following courses (please consult an advisor):		
ENGL 201	British Literature Anglo-Saxon Period to the Eighteenth Century	
ENGL 202	British Literature Eighteenth Century through the Present	
ENGL 203	American Literature Pre-Colonial through Civil War Periods	
ENGL 204	American Literature Civil War Period through the Present	
ENGL 205	World Literature through 1650 C.E.	
ENGL 206	World Literature 1650 C.E. through the Present	
ENGL 210	Creative Writing	
ENGL 212	Newswriting and Reporting	
ENGL 216	The Short Story	
ENGL 219	Technical Writing	
ENGL 226	Film as Literature	
ENGL 227	Multiculturalism and Literature: Borders, Boundaries, and Belonging	
ENGL 230	African American Literature	
ENGL 231	English Language Studies	
ENGL 241	Journalism Publication Practicum	
Select one Arts & Humanities course <sup>1</sup>		3
<b>Electives</b>		
Select 13 credit hours <sup>2</sup>		13
Total Credits		60

1

Select from the following: Art, Communication, English, Film & Video Production, Graphic Design, Languages, Music, Philosophy, or Theatre

2

Choose electives in consultation with an advisor. Depending on transfer school, foreign language courses may be recommended.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Film & Video Production Area of Concentration within Arts and Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/film-video-production.aspx>)

**Program Manager:** Jason Santelli

**Email:** [jsantelli@frederick.edu](mailto:jsantelli@frederick.edu)

**Phone:** 301.846.2533

## Program Description

Designed for students whose career goals are oriented toward the creative field of film & video production, including motion picture and television production, motion graphics, video marketing, web videos, and short & long form screenwriting. The area of concentration is designed to prepare students to transfer to a four-year institution.

## Program Learning Outcomes

- Demonstrate proficiency in use of current industry standard software.
- Produce works of digital and interactive art in a variety of media.

- Demonstrate and appreciate the creative/problem solving process through research, development, and execution of digital media.
- Comprehend the responsibilities associated with professional behavior by participating in an internship.
- Enhance skills as critical thinkers, effective problem solvers, and effective ethical communicators who demonstrate professional behaviors consistent with industry standards.
- Demonstrate ability to plan, produce, and edit digital productions that reflect an awareness of current visual and interactive media standards appropriate for entry or intermediate level professional work.
- Demonstrate current digital media skills, procedures, and techniques in order to function successfully as entry-level employees in a professional production facility.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
FILM 101	Introduction to Film	3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
COMM 111	Introduction to Mass Communication	3
GRPH 111	Graphic Design I	3

FILM 144	Digital Video Production	4
INTR 102/103	Internship	2
FILM 244	Digital Film Production	4
FILM 254	Postproduction: The Art of Editing	4
FILM 222	Television Studio Directing and Operations	4
or FILM 255	Advanced Postproduction Motion Graphics	
<b>Electives</b>		
Select four credits of electives – Recommended course(s) below (depending on the transfer institution): <sup>1</sup>		
ARTT 101	Foundations of Studio Art I	
ARTT 102	Foundations of Studio Art II	
ARTT 103	The History of Art: Non-Western	
ARTT 104	The History of Art: Prehistoric to Early Renaissance	
ARTT 105	The History of Art: Renaissance to Modern	
ARTT 106	Drawing I	
GRPH 114	Web Design I	
FILM 134	Digital Photography I	
FILM 222	Television Studio Directing and Operations	
FILM 255	Advanced Postproduction Motion Graphics	
Total Credits		60

1

Students should check with an advisor or the transfer institution (ARTSYS) before selecting their electives.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Film & Video Production Certificate (Career)

Program website (<https://www.frederick.edu/programs/arts-humanities/film-video-production.aspx>)

**Program Manager:** Jason Santelli  
**Email:** [jsantelli@frederick.edu](mailto:jsantelli@frederick.edu)  
**Phone:** 301.846.2533

## Program Description

Designed for students whose career goals are oriented toward the creative field of film & video production, including motion picture and television production, motion graphics, video marketing, web videos, and short & long form screenwriting. Instructional emphasis is on designing and producing high-quality contemporary work. College-level writing is expected.

## Program Learning Outcomes

- Demonstrate proficiency in use of current industry standard software.
- Produce works of digital and interactive art in a variety of media.
- Demonstrate and appreciate the creative/problem solving process through research, development, and execution of digital media.
- Comprehend the responsibilities associated with professional behavior by participating in an internship.
- Enhance skills as critical thinkers, effective problem solvers, and effective ethical communicators who demonstrate professional behaviors consistent with industry standards.

- Demonstrate ability to plan, produce, and edit digital productions that reflect an awareness of current visual and interactive media standards appropriate for entry or intermediate level professional work.
- Demonstrate current digital media skills, procedures, and techniques in order to function successfully as entry-level employees in a professional production facility.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
COMM 111	Introduction to Mass Communication	3
FILM 101	Introduction to Film	3
FILM 134	Digital Photography I	3
FILM 144	Digital Video Production	4
FILM 244	Digital Film Production	4
FILM 254	Postproduction: The Art of Editing	4
FILM 222 or FILM 255	Television Studio Directing and Operations Advanced Postproduction Motion Graphics	4
GRPH 111	Graphic Design I	3
Total Credits		28

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Graphic Design Area of Concentration within Arts and Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/graphic-design.aspx>)

*The Graphic Design Area of Concentration has been discontinued. No new students will be admitted to the AOC program. New students should select the Graphic Design A.A.S. degree (p. 118).*

## Mass Communication Area of Concentration within Arts and Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/mass-communications.aspx>)

**Program Manager:** Dr. Kathy Brooks  
**Email:** [kbrooks@frederick.edu](mailto:kbrooks@frederick.edu)  
**Phone:** 301.846.2635

## Program Description

Designed to teach students to critically examine all types of media including film, television, advertising, journalism, and digital media to understand how it impacts, and is impacted by, society. Mass communication careers often require specific expertise, so this program offers concentrations of courses leading to applied knowledge in areas such as graphic design, digital video production, and technical communications. This concentration outfits the student with practical

knowledge to prepare students to continue media studies at other universities.

## Program Learning Outcomes

- Demonstrate effective speaking and listening skills for communication in personal, public, and media areas.
- Demonstrate effective writing skills for communication in personal, public, and media areas.
- Demonstrate an understanding of mass communication from a variety of philosophical, historical, theoretical, and practical perspectives.
- Analyze, describe, and interpret the mass media content in the context of global society.
- Demonstrate the ability to gather and evaluate in-depth information from diverse, field-appropriate books, journals, databases, and internet sources.
- Analyze effectively the potential consequences of newly emerging technologies.
- Demonstrate an understanding of the history and development of communication technologies and processes and the ways in which this history has affected individuals and society.
- Demonstrate enhanced analytical, critical, and performance competencies that will assist students in participating effectively in multimedia platforms.
- Demonstrate the ability to create and design emerging media products, including blogs, digital audio, digital video, social media, digital photography, and multimedia.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		

Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines	6
<b>Arts &amp; Humanities</b>	
Arts Elective (Gen Ed course list) (p. 69)	3
Humanities Elective (Gen Ed course list) (p. 70)	3
Communication Elective (Gen Ed course list) (p. 69)	3
<b>Biological &amp; Physical Sciences</b>	
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)	4
<b>General Education Elective</b>	
General Education Elective (Gen Ed course list) (p. 69)	3
<b>Physical Education, Health, or Nutrition Requirement</b>	
Select one PHED, HLTH, or NUTR course	1
<b>Concentration Courses</b>	
COMM 111 Introduction to Mass Communication	3
ENGL 219 Technical Writing	3
FILM 144 Digital Video Production	4
GRPH 111 Graphic Design I	3
Select two of the following:	6
BMGT 221 Public Relations	
BMGT 225 Marketing	
COMM 105 Small Group Communication	
COMM 107 Career Communication	
ENGL 212 Newswriting and Reporting	
ENGL 241 Journalism Publication Practicum	
FILM 134 Digital Photography I	
GRPH 112 Graphic Design II	
GRPH 114 Web Design I	
HUMN 104 Humanities in a Digital World	
<b>Electives</b>	
Select nine credits <sup>1</sup>	9
Total Credits	60

1

Students should check with an advisor or transfer institution (ARTSYS) before selecting their electives.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Music Area of Concentration within Arts and Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/music.aspx>)

**Program Manager:** Dr. Paula Chipman

**Email:** [pchipman@frederick.edu](mailto:pchipman@frederick.edu)

**Phone:** 301.846.2566

## Program Description

Offers students concentrated training in music theory and practical application to prepare them for acceptance and transfer into 4-year music degree programs, to obtain an Associate of Arts degree, or to pursue individual musical directions.

## Program Learning Outcomes

- Perform as a soloist in a manner that is both musically expressive and technically proficient.
- Interpret a variety of styles, periods and genres according to recognized standards of performance practice.
- Perform in collaboration with other musicians, using appropriate performance and stage presence techniques.
- Demonstrate keyboard proficiency, including mastery of scales, triads, chord progressions, and figured bass.
- Sing tonal melodies that contain chromatic writing, modulations, and differentiated rhythmic values.
- Transcribe from an aural source material of intermediate melodic, harmonic and rhythmic complexity.
- Master current music software programs, including ability to compose or arrange music.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
	Mathematics Elective (Gen Ed course list) (p. 71)	3
<b>Social &amp; Behavioral Sciences</b>		
	Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines	6
<b>Arts &amp; Humanities</b>		
	Arts Elective (Gen Ed course list) (p. 69)	3
	Humanities Elective (Gen Ed course list) (p. 70)	3
	Communication Elective (Gen Ed course list) (p. 69)	3
<b>Biological &amp; Physical Sciences</b>		
	Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
	Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)	4
<b>General Education Elective</b>		
	General Education Elective (Gen Ed course list) (p. 69)	3
	MUSC 201 Music Cultures of the World (recommended)	
<b>Physical Education, Health, or Nutrition Requirement</b>		
	Select one PHED, HLTH, or NUTR course	1
<b>Concentration Courses</b>		
MUSC 111	Music Theory I	3

MUSC 112	Music Theory II (Spring)	3
MUSC 211	Music Theory III (Fall)	3
MUSC 212	Music Theory IV (Spring)	3
MUSC 106	Ear Training and Musicianship I	1
MUSC 107	Ear Training and Musicianship II (Spring)	1
MUSC 206	Ear Training and Musicianship III (Fall)	1
MUSC 207	Ear Training and Musicianship IV (Spring)	1
<b>Ensemble</b>		
Select two 100-level and two 200-level courses of the following:		4
MUSC 117	Choral Ensemble I	
MUSC 118	Choral Ensemble I	
MUSC 119	Jazz Ensemble I	
MUSC 120	Jazz Ensemble I	
MUSC 121	Orchestral Ensemble I	
MUSC 122	Orchestral Ensemble I	
MUSC 123	Wind Ensemble I	
MUSC 124	Wind Ensemble I	
MUSC 217	Choral Ensemble II	
MUSC 218	Choral Ensemble II	
MUSC 219	Jazz Ensemble II	
MUSC 220	Jazz Ensemble II	
MUSC 221	Orchestral Ensemble II	
MUSC 222	Orchestral Ensemble II	
MUSC 223	Wind Ensemble II	
MUSC 224	Wind Ensemble II	
<b>Applied Music (major instrument)</b>		4
<b>Class Piano <sup>1</sup></b>		
MUSC 151	Class Piano I	1
MUSC 152	Class Piano II	1
MUSC 251	Class Piano III	1
MUSC 252	Class Piano IV	1
<b>Total Credits</b>		60

1

Students who enroll in MUSC 172 First Year Piano, MUSC 173 First Year Piano, MUSC 272 Second Year Piano, or MUSC 273 Second Year Piano as their Applied Music major instrument should consult with the Music Program Manager for a substitute elective.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Theatre Area of Concentration within Arts and Humanities A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/arts-humanities/theatre.aspx>)

**Program Manager:** Tad Janes

**Email:** [tjanes@frederick.edu](mailto:tjanes@frederick.edu)

**Phone:** 301.846.2515

## Program Description

Offers students an opportunity to experience theater on a variety of levels, enabling them to participate as theatrical apprentices, to transfer to a four-year theater program, or to obtain an Associate of Arts degree.

## Program Learning Outcomes

- Understand the historical context of theatre and drama, including its relationship to contemporary society and culture.
- Demonstrate an introductory practical, working knowledge of how to produce a play on stage, including all related performance, script, design, and technical aspects.
- Critically differentiate and evaluate what they and others have created.
- Gain experience with individual and collaborative processes needed to produce and understand theatre.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses <sup>1</sup></b>		
Complete the following courses:		
THEA 100	Introduction to Theatre	3
THEA 102	Introduction to Acting	3
THEA 121	Stagecraft (Fall)	3
THEA 202	Advanced Acting (Spring)	3

Select one Arts & Humanities course from Art, Communication, English, Film & Video Production, Graphic Design, Languages, Music, Philosophy, or Theatre	3
<b>Electives</b>	
Select 13 credits <sup>2</sup>	13
Total Credits	60

1

Students should check with an advisor or transfer institution (ARTSYS) before selecting their courses.

2

Students should check with an advisor or transfer institution (ARTSYS) before selecting their electives.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Arts & Sciences

- Arts & Sciences A.A. or A.S. (Transfer) (p. 90)
- Health and Exercise Sciences Area of Concentration within the Arts and Sciences A.A. (Transfer) (p. 90)
- Fitness/Personal Trainer Certificate (Career) (p. 91)
- Coaching Letter Of Recognition (Career) (p. 92)
- Pre-Health Professions Area of Concentration within Arts and Sciences A.S. (Transfer) (p. 92)

## Arts & Sciences A.A. or A.S. (Transfer)

### Program Description

Designed for students who plan to go on to a four-year school and major in one of the traditional arts and sciences subjects. **Students may not choose Arts & Sciences as a major but should select an Area of Concentration within Arts & Sciences.** Students should consult with an advisor as early as possible to ensure that all or most of their course credits will transfer to the four-year institution of their choice.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place

of a 1-credit course. Students should check with an advisor before selecting this course.

- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) w/lab		4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Elective satisfies this requirement		
<b>Departmental Requirements</b>		
Additional required and elective credits to meet requirements of each Area of Concentration		29
1		
Health and Exercise Sciences		
Pre-Health Professions		
Total Credits		60

1

Students should check with an advisor before selecting one of the concentrations.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Health and Exercise Sciences Area of Concentration within the Arts and Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/healthcare/health-and-exercise-sciences.aspx>)

**Program Manager:** Jan Sholes  
**Email:** [jsholes@frederick.edu](mailto:jsholes@frederick.edu)  
**Phone:** 301.846.2503

### Program Description

Designed for students wishing to further their career goals in the health, fitness, physical education, and coaching fields. This program of study prepares students to transfer to a four-year institution. It requires completion of general education courses and selected PE/Health &

Nutrition courses. High school preparation for this option should include algebra, biology, and chemistry.

## Program Learning Outcomes

- Students will define the role of physical education in the broader context of education both in the private and public sectors.
- Students will apply the knowledge and skills necessary to delay or prevent lifestyle diseases that are prevalent in our society today.
- Students will identify factors that affect sports participation and motor skills performance.
- Students will correlate the principles of human nutrition to the functioning of the human body.
- Students will interpret results of wellness, fitness and nutrition evaluations.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
PSYC 101	General Psychology	
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
EDPS 210	Human Growth and Development <sup>1</sup>	
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
BSCI 150	Principles of Biology I	4
BSCI 201	Anatomy and Physiology I	4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		

PHED 152	Methods of Strength Training and Conditioning II (satisfies this requirement)	
<b>Concentration Courses</b>		
PHED 170	Introduction to Health and Exercise Sciences (Fall)	3
PHED 165	Fitness for Living	3
PHED 152	Methods of Strength Training and Conditioning II	1
PHED 150	Methods of Strength Training and Conditioning I	1
NUTR 102	Nutrition in a Changing World	3
or NUTR 200	Principles and Application of Nutrition	
Select one of the following:		3
HLTH 150	Health Education	
PHED 180	Care and Prevention of Athletic Injuries <sup>2</sup>	
BSCI 202	Anatomy and Physiology II	4
<b>Electives</b>		
Select 10 credits of electives - Recommended courses below (depending on the transfer institution): <sup>3</sup>		10
EDUC 110	Schools and Society <sup>1</sup>	
EDUC 220	Educational Psychology <sup>1</sup>	
EDUC 230	Foundations of Special Education <sup>1</sup>	
PHED 160	Psychology of Sport (Fall)	
PHED 175	Coaching Principles (Spring)	
PHED 240	Fitness Assessment and Business Practices	
PHED 180	Care and Prevention of Athletic Injuries (if not taken above)	
PHED 250	Essentials of Personal Training (Spring)	
HLTH 160	Stress Management	
CHEM 101	General Chemistry I <sup>4</sup>	
BMGT 109	Entrepreneurship and Small Business Enterprise	
INTR 102	Internship	
Any one credit PHED course		
Total Credits		60

1

Those who are planning to teach in the K-12 system should take these courses.

2

Those students who wish to complete the Fitness/Personal Trainer certificate program as they complete the Health and Exercise Science Area of Concentration should take PHED 180 Care and Prevention of Athletic Injuries instead of HLTH 150 Health Education.

3

Students should check with an advisor or the transfer institution (ARTSYS) before selecting their electives.

4

This course is required by many transfer schools. See your advisor in order to match the elective credits to your specific transfer institution.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Fitness/Personal Trainer Certificate (Career)

Program website (<https://www.frederick.edu/programs/healthcare/health-and-exercise-sciences.aspx>)

**Program Manager:** Jan Sholes

**Email:** [jsholes@frederick.edu](mailto:jsholes@frederick.edu)

Phone: 301.846.2503

## Program Description

Prepares students for a career in personal training, the training of different populations to improve their fitness levels. Certification is through the National Academy of Sports Medicine (NASM).

A grade of "C" or better must be earned in all courses in the Personal Trainer program.

## Program Learning Outcomes

- Students will define the role of physical education in the broader context of education both in the private and public sectors.
- Students will apply the knowledge and skills necessary to delay or prevent lifestyle diseases that are prevalent in our society today.
- Students will identify factors that affect sports participation and motor skills performance.
- Students will correlate the principles of human nutrition to the functioning of the human body.
- Students will interpret results of wellness, fitness, and nutrition evaluations.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
Select one of the following:		4
BSCI 201	Anatomy and Physiology I <sup>1</sup>	
BSCI 117	Human Biology	
NUTR 100	Nutrition Basics	1
PHED 150	Methods of Strength Training and Conditioning I	1
PHED 152	Methods of Strength Training and Conditioning II	1
PHED 165	Fitness for Living	3
PHED 180	Care and Prevention of Athletic Injuries	3
PHED 240	Fitness Assessment and Business Practices	3
PHED 250	Essentials of Personal Training (Spring)	4
INTR 102	Internship <sup>2</sup>	2
Total Credits		22

1

Students who take BSCI 201 Anatomy and Physiology I must first take either BSCI 55 Preparation for Allied Health, BSCI 150 Principles of Biology I, BSCI 223 Microbiology for Allied Health, or CHEM 101 General Chemistry I.

2

Students may do the internship in the same semester as PHED 250 Essentials of Personal Training or in the semester immediately following for best practices.

There are additional certification fees associated with PHED 250 Essentials of Personal Training. See program manager for details.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Coaching Letter Of Recognition (Career)

Program website (<https://www.frederick.edu/programs/healthcare/health-and-exercise-sciences.aspx>)

**Program Manager:** Jan Sholes

**Email:** [jsholes@frederick.edu](mailto:jsholes@frederick.edu)

**Phone:** 301.846.2503

## Program Description

Gives students the necessary knowledge and skills to pursue a career in athletic coaching.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
PHED 160	Psychology of Sport (Fall)	3
PHED 175	Coaching Principles (Spring)	3
PHED 180	Care and Prevention of Athletic Injuries	3
Total Credits		9

## Pre-Health Professions Area of Concentration within Arts and Sciences A.S. (Transfer)

Program website (<https://www.frederick.edu/programs/healthcare/pre-health.aspx>)

**Program Manager:** Michele Tertel

**Email:** [mtertel@frederick.edu](mailto:mtertel@frederick.edu)

**Phone:** 301.624.2845

## Program Description

Provides courses in general education curriculum with subjects that support the pursuit of a Bachelor of Science in nursing or allied health sciences degree program and/or prepares students to meet the eligibility requirements for one of the selective admissions programs (Surgical Technology, Respiratory Care, and Nursing). Students are strongly urged to work with their FCC advisor to understand how to meet the transfer requirements of the institution to which they transfer and/or how to meet the selective admission requirements of the allied health and Nursing programs.

Successful completion of the Pre-Health Professions AOC does not guarantee admittance into a transfer program or selective admissions program.

Students applying for admission to FCC Nursing, Respiratory Care, or Surgical Technology programs must earn a grade of "C" or higher in all coursework.

Students interested in courses of study such as pre-medical, pre-dental, pre-veterinary, pre-pharmacy, pre-physician assistant, or other related programs should follow the STEM A.S. Degree: Biology or Chemistry Area of Concentration and meet with an academic advisor.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 120/120A	Statistics (or higher) (MATH 120/ MATH 120A recommended)	3
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
SOCY 101	Introduction to Sociology	3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Communication Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
<b>Biological &amp; Physical Sciences</b>		
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
NUTR 102	Nutrition in a Changing World (satisfies requirement)	
or NUTR 200	Principles and Application of Nutrition	
<b>Departmental Requirements</b>		
EDPS 210	Human Growth and Development	3
BSCI 223	Microbiology for Allied Health	4
or BSCI 263	Elements of Microbiology	
CHEM 101	General Chemistry I	4
NUTR 102	Nutrition in a Changing World	3
or NUTR 200	Principles and Application of Nutrition	
<b>Electives</b>		
General Education Electives: Chemistry, Math or Social Science are recommended <sup>1</sup>		14
Total Credits		60

1

Students should check with an advisor or transfer institution (ARTSYS) before selecting their electives.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Biotechnology

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/biotechnology.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/biotechnology.aspx))

**Program Manager:** Dr. Savita Prabhakar

**Email:** [sprabhakar@frederick.edu](mailto:sprabhakar@frederick.edu)

**Phone:** 301.846.2564

- Biotechnology A.A.S. (Career) (p. 93)
- Biotechnology Certificate (Career) (p. 94)
- Biotechnology Letter of Recognition (Career) (p. 94)

## Biotechnology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/biotechnology.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/biotechnology.aspx))

**Program Manager:** Dr. Savita Prabhakar

**Email:** [sprabhakar@frederick.edu](mailto:sprabhakar@frederick.edu)

**Phone:** 301.846.2564

## Program Description

Prepares individuals to work as process operators in biological products manufacturing facilities. Students will combine basic science and communication skills, manufacturing technologies and good manufacturing practices in the course of study. Students will develop a strong basic science foundation with a sound understanding of the major technologies employed in the industry. They will also develop collaborative and disciplined work ethics while consistently practicing problem-solving skills. Upon successful completion of the program, individuals will possess the necessary skills to qualify for employment in a variety of bioprocessing industries.

## Program Learning Outcomes

- Articulate central themes of the discipline.
- Apply and demonstrate entry-level biotechnology skills and techniques.
- Demonstrate discipline-specific scientific inquiry.
- Communicate discipline-specific knowledge.
- Integrate discipline-specific technology.
- Demonstrate appropriate quantitative skills.
- Analyze the role of biotechnology in society.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer

institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>

- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
BSCI 150	Principles of Biology I	4
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
<b>Interdisciplinary &amp; Emerging Issues</b>		
CMIS 101	Information Systems and Technology	3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
BSCI 223	Microbiology for Allied Health	4
or BSCI 263	Elements of Microbiology	
BIOT 140	Biotechnology and Society	3
BIOT 220	Cell and Molecular Biology and Tissue Culture (Spring)	4
BIOT 102	Introduction to Biotechnology (Fall)	3
BIOT 103	Laboratory Techniques (Fall)	1
BIOT 110	Biotechnology Measurements (Spring)	4
BIOT 214	Techniques in Biotechnology and Bioprocessing (Fall)	4
Select one of the following:		3
INTR 103	Internship	
BIOT 130	Forensic Biology	
BSCI 240	Genetics (Spring)	
BMGT 120	Business Communications	
CHEM 201	Organic Chemistry I	
COMM 107	Career Communication	
ENGL 219	Technical Writing	
Electives – Recommended courses below:		6
BIOT 130	Forensic Biology	
BSCI 240	Genetics (Spring)	
BMGT 120	Business Communications	
CHEM 201	Organic Chemistry I	
COMM 107	Career Communication	
ENGL 219	Technical Writing	
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer

Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Biotechnology Certificate (Career)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/biotechnology.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/biotechnology.aspx))

**Program Manager:** Dr. Savita Prabhakar

**Email:** [sprabhakar@frederick.edu](mailto:sprabhakar@frederick.edu)

**Phone:** 301.846.2564

## Program Description

Prepares individuals to work as process operators in biological products manufacturing facilities. Students will combine basic science and communication skills, manufacturing technologies and good manufacturing practices in the course of study. Students will develop a strong basic science foundation with a sound understanding of the major technologies employed in the industry. They will also develop collaborative and disciplined work ethics while consistently practicing problem-solving skills. Upon successful completion of the program, individuals will possess the necessary skills to qualify for employment in a variety of bioprocessing industries.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BSCI 150	Principles of Biology I	4
BSCI 223	Microbiology for Allied Health	4
or BSCI 263	Elements of Microbiology	
BIOT 140	Biotechnology and Society	3
BIOT 220	Cell and Molecular Biology and Tissue Culture (Spring)	4
BIOT 102	Introduction to Biotechnology (Fall)	3
BIOT 103	Laboratory Techniques (Fall)	1
BIOT 110	Biotechnology Measurements (Spring)	4
BIOT 214	Techniques in Biotechnology and Bioprocessing (Fall)	4
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
Total Credits		35

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Biotechnology Letter of Recognition (Career)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/biotechnology.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/biotechnology.aspx))

**Program Manager:** Dr. Savita Prabhakar

**Email:** [sprabhakar@frederick.edu](mailto:sprabhakar@frederick.edu)

**Phone:** 301.846.2564

## Program Description

Provides an introductory level of training to prepare individuals to work as process operators in biological products manufacturing. Students will be introduced to concepts related to bioprocessing technology, and will

learn basic laboratory skills, workplace safety and general regulations that apply to the bioprocessing industry.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BIOT 102	Introduction to Biotechnology (Fall)	3
BIOT 103	Laboratory Techniques (Fall)	1
BIOT 110	Biotechnology Measurements (Spring)	4
Total Credits		8

## Building Trades Technology

Program website (<https://www.frederick.edu/programs/skilled-trades/building-trades.aspx>)

**Program Manager:** Chuck LoSchiavo

**Email:** [closchiavo@frederick.edu](mailto:closchiavo@frederick.edu)

**Phone:** 240.629.7902

- Building Trades Technology Certificate (Career) (p. 95)
- Electrical Letter of Recognition (Career) (p. 96)
- HVAC Letter of Recognition (Career) (p. 96)
- Welding Letter of Recognition (Career) (p. 96)

## Building Trades Technology Certificate (Career)

Program website (<https://www.frederick.edu/programs/skilled-trades/building-trades.aspx>)

**Program Manager:** Chuck LoSchiavo

**Email:** [closchiavo@frederick.edu](mailto:closchiavo@frederick.edu)

**Phone:** 240.629.7902

## Program Description

Provides students with a comprehensive practical training in the areas involved in building trades technology. The student selects a track in Heating, Ventilation, and Air Conditioning (HVAC); Welding; or Electrical.

## Program Learning Outcomes

### Building Trades Technology Certificate - Track 1: HVAC

- Interpret and apply blueprints and schematics to a construction project within the trade.
- Create a cost estimate of a specific project to include materials, equipment, and labor.
- Evaluate a construction project to select and operate appropriate tools, equipment, and materials.
- Apply principles of safety to equipment usage and materials handling on a construction work site.
- Demonstrate knowledge of and apply appropriate building codes to complete a construction project.
- Install, troubleshoot and/or repair equipment toward completion of a project to meet job specifications.

### Building Trades Technology Certificate - Track 2: Welding

- Demonstrate appropriate shop safety rules.
- Perform a variety of cuts in the flat position on carbon steel using multiple methods.
- Demonstrate an understanding of SMAW electrodes and the American Welding Society (AWS) identification system.
- Identify the basic welding joints and welding positions.
- Perform various weld joints in multiple positions using the GMAW, GTAW, and SMAW processes.

### Building Trades Technology Certificate - Track 3: Electrical

- Interpret and apply blueprints and schematics to a construction project within the trade.
- Create a cost estimate of a specific project to include materials, equipment, and labor.
- Evaluate a construction project to select and operate appropriate tools, equipment, and materials.
- Apply principles of safety to equipment usage and materials handling on a construction work site.
- Demonstrate knowledge of and apply appropriate building codes to complete a construction project.
- Install, troubleshoot and/or repair equipment toward completion of a project to meet job specifications.

## Program Requirements

### Track 1: HVAC

Code	Title	Credits
<b>Departmental Requirements</b>		
BLDT 101	Introduction to Building Trades	3
BLDT 110	Fundamentals of HVACR	4
BLDT 111	Controls for HVACR	3
BLDT 212	HVAC Installation Troubleshooting	3
BLDT 113	Fossil Fuels Hydronic Heating	3
<b>Optional</b>		
CMIS 101	Information Systems and Technology	
Total Credits		16

### Track 2: Welding

Code	Title	Credits
<b>Departmental Requirements</b>		
BLDT 101	Introduction to Building Trades	3
BLDT 121	Welding Symbols Blueprint Reading	2
BLDT 120	Introduction to Welding	4
BLDT 222	Advanced Welding: SMAW	4
Select one of the following Electives: <sup>1</sup>		
BLDT 224	Advanced Welding: GTAW	
BLDT 225	Advanced Welding: GMAW	
BLDT 223	Advanced Welding: SMAW 4G	
<b>Optional</b>		
CMIS 101	Information Systems and Technology	
Total Credits		16

1

Students should check with an advisor before selecting their electives.

## Track 3: Electrical

Code	Title	Credits
<b>Departmental Requirements</b>		
BLDT 101	Introduction to Building Trades	3
BLDT 140	Fundamentals of Structural Wiring	4
BLDT 241	Residential Electric	3
BLDT 242	Commercial Electric	3
BLDT 143	Specialized Systems	3
<b>Optional</b>		
CMIS 101	Information Systems and Technology	
Total Credits		16

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Electrical Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/skilled-trades/building-trades.aspx>)

**Program Manager:** Chuck LoSchiavo  
**Email:** closchiavo@frederick.edu  
**Phone:** 240.629.7902

## Program Description

Prepares students with basic skills in electrical systems.

## Program Learning Outcomes

- Interpret and apply blueprints and schematics to a construction project within the trade.
- Create a cost estimate of a specific project to include materials, equipment, and labor.
- Evaluate a construction project to select and operate appropriate tools, equipment, and materials.
- Apply principles of safety to equipment usage and materials handling on a construction work site.
- Demonstrate knowledge of and apply appropriate building codes to complete a construction project.
- Install, troubleshoot and/or repair equipment toward completion of a project to meet job specifications.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BLDT 101	Introduction to Building Trades	3
BLDT 140	Fundamentals of Structural Wiring	4
BLDT 241	Residential Electric	3
Total Credits		10

## HVAC Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/skilled-trades/building-trades.aspx>)

**Program Manager:** Chuck LoSchiavo  
**Email:** closchiavo@frederick.edu  
**Phone:** 240.629.7902

## Program Description

Prepares students with basic skills in Heating, Ventilation, and Air Conditioning.

## Program Learning Outcomes

- Identify and safely use proper tools of the trade.
- Identify components of HVAC equipment and explain their purpose.
- Read and interpret schematics.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BLDT 101	Introduction to Building Trades	3
BLDT 110	Fundamentals of HVACR	4
BLDT 111	Controls for HVACR	3
Total Credits		10

## Welding Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/skilled-trades/building-trades.aspx>)

**Program Manager:** Chuck LoSchiavo  
**Email:** closchiavo@frederick.edu  
**Phone:** 240.629.7902

## Program Description

Prepares students with basic skills in welding.

## Program Learning Outcomes

- Demonstrate appropriate shop safety rules.
- Perform a variety of cuts in the flat position on carbon steel using multiple methods.
- Demonstrate an understanding of SMAW electrodes and the American Welding Society (AWS) identification system.

## Program Requirements

Code	Title	Credits
BLDT 101	Introduction to Building Trades	3
BLDT 120	Introduction to Welding	4
BLDT 121	Welding Symbols Blueprint Reading	2
Total Credits		9

## Business Administration

Program website (<https://www.frederick.edu/programs/business/business-administration.aspx>)

**Program Manager:** Dr. Karen A. Wilson  
**Email:** kawilson@frederick.edu  
**Phone:** 301.624.2848

- Business Administration A.A. (Transfer) (p. 97)

## Business Administration A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/business/business-administration.aspx>)

**Program Manager:** Dr. Karen A. Wilson  
**Email:** kawilson@frederick.edu  
**Phone:** 301.624.2848

### Program Description

For students seeking to complete the first two years of a four-year program. Completed coursework can then be transferred to a four-year institution where a bachelor's degree may be earned with the completion of additional coursework.

### Program Learning Outcomes

- Demonstrate competence discovering, applying, and thinking critically about basic business, accounting, and computing concepts and trends.
- Identify and analyze ethical issues in business.
- Communicate effectively using multiple communication methods (oral, written, graphic, and electronic).
- Demonstrate the ability to work effectively and cooperatively as part of a team/work group.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below: <sup>1</sup>		3
MATH 145	College Algebra	
MATH 175	Applied Calculus	

<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from two different disciplines <sup>2</sup>		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
<b>Interdisciplinary &amp; Emerging Issues</b>		
CMIS 101	Information Systems and Technology	3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
ACCT 101	Principles of Accounting I	3
ACCT 102	Principles of Accounting II	3
BMGT 103	Introduction to Business	3
ECON 200	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3
MATH 120/120A	Statistics	3
or MATH 125	Business Statistics	
<b>Electives</b>		
Select 10 credits		10
Total Credits		60

1

Students should check with an advisor or the transfer institution before selecting their Mathematics course.

2

Students should check with an advisor or the transfer institution before selecting electives.

*Students are able to meet all course requirements for this degree from the college's selection of online courses.*

### Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Business Management

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson  
**Email:** kawilson@frederick.edu  
**Phone:** 301.624.2848

- Business Management A.A.S. (Career) (p. 98)
- Business Management Certificate (Career) (p. 98)
- Entrepreneurship and Small Business Start-Up Certificate (Career) (p. 99)
- Healthcare Practice Management Certificate (Career) (p. 98)
- Project Management Certificate (Career) (p. 99)
- Retail Management Certificate (Career) (p. 100)
- Social Media Management Certificate (Career) (p. 100)

- Agricultural Business Basics Letter of Recognition (Career) (p. 101)
- Business Basics Letter of Recognition (Career) (p. 101)

## Business Management A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson

**Email:** kawilson@frederick.edu

**Phone:** 301.624.2848

### Program Description

Designed for students seeking immediate employment in entry-level management or management trainee positions upon completion of the program or for individuals desiring to start their own businesses. Although the majority of the coursework will transfer to other institutions, the program is oriented toward employment preparation.

### Program Learning Outcomes

- Demonstrate competence discovering, applying, and thinking critically about basic business, accounting, and computing concepts and trends.
- Identify and analyze ethical issues in business.
- Communicate effectively using multiple communication methods (oral, written, graphic, and electronic).
- Apply computing technologies to solve business problems.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 125	Business Statistics	

<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Interdisciplinary &amp; Emerging Issues</b>		
CMIS 101	Information Systems and Technology	3
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
ACCT 101	Principles of Accounting I	3
ACCT 102	Principles of Accounting II	3
BMGT 103	Introduction to Business	3
BMGT 120	Business Communications	3
BMGT 211	Business Law	3
BMGT 227	Principles of Management	3
BMGT 100	Spreadsheet Applications	3
	or CMIS 111R Business Software Applications	
ECON 200	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3
<b>Electives</b>		
Select 11 credits from: Any ACCT, BMGT, CADT, CMIS, CMTE, HCTI, LGST, MEDA, GRPH courses not already taken		11
Total Credits		60

### Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Business Management Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson

**Email:** kawilson@frederick.edu

**Phone:** 301.624.2848

### Program Description

Prepares students for entry level employment in careers requiring basic business and management skills.

### Program Learning Outcomes

- Demonstrate competence discovering, applying, and thinking critically about basic business, accounting, and computing concepts and trends.
- Identify and analyze ethical issues in business.
- Communicate effectively using multiple communication methods (oral, written, graphic, and electronic).
- Apply computing technologies to solve business problems.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ACCT 101	Principles of Accounting I	3
ACCT 102	Principles of Accounting II	3
BMGT 103	Introduction to Business	3
BMGT 120	Business Communications	3
CMIS 101	Information Systems and Technology	3
ECON 200	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3
Select any ACCT or BMGT course not taken above or Math Elective		
BMGT 227	Principles of Management (recommended)	3
Total Credits		24

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Entrepreneurship and Small Business Start-Up Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson  
**Email:** kawilson@frederick.edu  
**Phone:** 301.624.2848

## Program Description

Prepares students who are interested in starting a small business or engaging in other entrepreneurial activities.

## Program Learning Outcomes

- Demonstrate competence discovering, applying, and thinking critically about basic business, accounting, and computing concepts and trends.
- Identify and analyze ethical issues in business.
- Communicate effectively using multiple communication methods (oral, written, graphic, and electronic).
- Apply computing technologies to solve business problems.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ACCT 100 or ACCT 101	Business Accounting Principles of Accounting I	3
BMGT 103	Introduction to Business	3
BMGT 109	Entrepreneurship and Small Business Enterprise	3
BMGT 120	Business Communications	3
BMGT 225	Marketing	3
BMGT 227	Principles of Management	3
CMIS 101	Information Systems and Technology	3
ACCT 111	Computerized Accounting	3

Code	Title	Credits
or BMGT 223	Human Resource Management	
Total Credits		24

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Healthcare Practice Management Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson  
**Email:** kawilson@frederick.edu  
**Phone:** 301.624.2848

## Program Description

Prepares students for work as a medical practice manager. Students must receive a "C" or better in all MEDA courses.

## Program Learning Outcomes

- Demonstrate competence discovering, applying, and thinking critically about basic business, accounting, and computing concepts and trends.
- Identify and analyze ethical issues in business.
- Communicate effectively using multiple communication methods (oral, written, graphic, and electronic).
- Apply computing technologies to solve business problems.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BMGT 120	Business Communications	3
CMIS 101	Information Systems and Technology	3
MEDA 109	Medical Terminology	3
MEDA 110	Computer Medical Office Management	3
MEDA 112	Medical Office Procedures	3
MEDA 203	Diagnostic and Procedural Medical Coding	3
MEDA 218	Health Insurance Billing and Reimbursement	3
Elective	Any MEDA, BMGT, ACCT, or CMIS course	3
Total Credits		24

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Project Management Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson

**Email:** kawilson@frederick.edu

**Phone:** 301.624.2848

## Program Description

Prepares students for entry level employment in careers requiring basic business and project management skills.

## Program Learning Outcomes

- Demonstrate competence discovering, applying, and thinking critically about basic business, accounting, and computing concepts and trends.
- Identify and analyze ethical issues in business.
- Communicate effectively using multiple communication methods (oral, written, graphic, and electronic).
- Apply computing technologies to solve business problems.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ACCT 100 or ACCT 101	Business Accounting Principles of Accounting I	3
BMGT 103	Introduction to Business	3
BMGT 120	Business Communications	3
BMGT 227	Principles of Management	3
BMGT 290	Project Management	3
CMIS 101	Information Systems and Technology	3
BMGT 100	Spreadsheet Applications	3
Electives	Any BMGT, ACCT, or ECON course	3
Total Credits		24

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Retail Management Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson

**Email:** kawilson@frederick.edu

**Phone:** 301.624.2848

## Program Description

Prepares students for management positions in the retail industry building skills in many areas critical to the success of retail management.

## Program Learning Outcomes

- Interpret the roles of the retail manager and retail team.
- Define project scope, priorities, and work breakdown structure of retail environment.

- Define the use of marketing for the various modes of commerce in retail management.
- Apply effective leadership and management strategies utilizing appropriate business communications.
- Apply financial implications of strategic retail decisions.
- Understand decisions made to satisfy customer needs in a rapidly changing and competitive environment.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ACCT 100 or ACCT 101	Business Accounting Principles of Accounting I	3
BMGT 103	Introduction to Business	3
BMGT 120	Business Communications	3
BMGT 223	Human Resource Management	3
BMGT 227	Principles of Management	3
BMGT 240	Retail Management	3
CMIS 101	Information Systems and Technology	3
Elective	Any ACCT, BMGT, CMIS, or ECON course	3
Total Credits		24

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Social Media Management Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson

**Email:** kawilson@frederick.edu

**Phone:** 301.624.2848

## Program Description

Covers the application and management of social media as well as the digital marketing tools and channels used by businesses and marketing agencies. Prepares students with the techniques and skills needed to design, develop, analyze, and manage social media and digital channels in business and marketing settings.

## Program Learning Objectives

- Consolidate essential skills and knowledge needed to plan and manage digital marketing strategy.
- Design and develop content marketing social media and social media platforms to promote businesses.
- Establish, execute, and manage social media campaigns.
- Analyze and monitor the effectiveness of social media channels.
- Evaluate and select appropriate social media tools in planning and implementing digital marketing initiatives.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BMGT 103	Introduction to Business	3
BMGT 225	Marketing	3
BMGT 230	Social Media Law	3
Select one of the following:		2
CMIS 101	Information Systems and Technology	
CMIS 105	Introduction to Programming	
CMIS 106	Object Design and Programming	
CMIS 111J	Web Page Development	3
CMIS 111S	Social Media Tools	3
CMIS 111T	Digital Marketing	3
Total Credits		20

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Agricultural Business Basics Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson  
**Email:** kawilson@frederick.edu  
**Phone:** 301.624.2848

## Program Description

Designed for Dual Enrollment/open campus students in Agricultural studies.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BMGT 140	Agricultural Business	3
BMGT 109	Entrepreneurship and Small Business Enterprise	3
Elective	Any BMGT, CMIS, or ECON course	3
Total Credits		9

## Business Basics Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/business/business-management.aspx>)

**Program Manager:** Dr. Karen A. Wilson  
**Email:** kawilson@frederick.edu  
**Phone:** 301.624.2848

## Program Description

Introduces students to the business environment; including management, human resources, marketing, planning, accounting, and computing.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ACCT 101	Principles of Accounting I	3
BMGT 103	Introduction to Business	3
CMIS 101	Information Systems and Technology	3
Total Credits		9

## Cardiovascular Technology

**Program Advisor:** Jenny McAninley  
**Email:** jmcaninley@frederick.edu  
**Phone:** 240.629.7935

- Cardiovascular Technology A.A.S. (Career) - Howard Community College (p. 101)

## Cardiovascular Technology A.A.S. (Career) - Howard Community College

### Mid-Maryland Allied Healthcare Education Consortium

**Program Advisor:** Jenny McAninley  
**Email:** jmcaninley@frederick.edu  
**Phone:** 240.629.7935

## Program Description

Prepares students to enter the allied health career field of cardiovascular technology to gather data and perform various cardiac and/or vascular diagnostic tests and procedures under the direction of a physician. The invasive technologist may be found in cardiac catheterization, blood gas, and electrophysiology laboratories. Working in the cardiac catheterization laboratory, operating area, and/or electrophysiology, the technologist utilizes x-ray and monitoring equipment in performing invasive diagnostic tests to determine the condition of the patient's heart. New therapeutic steps may be taken to treat an existing condition during the catheterization procedure. The program is accredited by the Joint Commission on Accreditation of Allied Health Education Programs. Graduates may apply to take the national certification examination to become a registered cardiovascular invasive specialist (RCIS).

This program is offered to Frederick Community College students through the Mid-Maryland Allied Healthcare Education Consortium. Students will typically complete most of the general education classes at Frederick Community College and then matriculate to Howard Community College to complete the Cardiovascular Technology courses. Students participating in consortium programs pay in-county rates at the institutions to which they matriculate. Contact Robin A. Becker-Cornblatt, assistant director of admissions, nursing and allied health programs at Howard Community College, 410.772.4137 or rbcornblatt@howardcc.edu for information.

## Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition <sup>1</sup>	3
<b>Mathematics</b>		

MATH 101	Foundations of Mathematics (or higher)	3
or MATH 120	Statistics	
or MATH 145	College Algebra	
<b>Social &amp; Behavioral Sciences</b>		
SOCY 101	Introduction to Sociology	3
<b>Arts &amp; Humanities</b>		
COMM 101	Introduction to Communication Studies	3
or COMM 103	Public Speaking	
<b>Biological &amp; Physical Sciences</b>		
BSCI 150	Principles of Biology I	4
or BSCI 223	Microbiology for Allied Health	
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
PHYS 121	Fundamentals of Physics I	4
<b>Cardiovascular Technology<sup>2</sup></b>		
CARD 120	Rhythm Analysis and 12-lead ECG	2
CARD 121	Cardiovascular Assessment Skills Lab	3
CARD 122	Cardiac Anatomy and Pathophysiology	3
CARD 123	Hemodynamics	3
CARD 124	X-Ray Theory for Cardiovascular Technology	3
CARD 201	Cardiovascular Pharmacology	2
CARD 220	Cardiovascular Procedures	2
CARD 221	Diagnostic and Interventional Procedures	8
CARD 222	Advanced Intravascular Interventional Procedures	4
CARD 231	Applied Clinical Practicum	3
CARD 261	Clinical Internship	4
Total Credits		65

1

Students must earn a grade of "C" or better in ENGL 101 English Composition.

2

Courses offered at Howard Community College.

A grade of "C" or better is required in cardiovascular, mathematics, and science courses. Admission to the cardiovascular technology program is based upon successful completion of specific courses in the degree program. Contact Howard Community College admissions office to schedule an information session regarding the cardiovascular technology program.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Computer Science

Program website ([https://www.frederick.edu/programs/information-technology/computer-science-\(1\).aspx](https://www.frederick.edu/programs/information-technology/computer-science-(1).aspx))

**Program Manager:** James Hatch

**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)

**Phone:** 301.624.2769

- Computer Science A.S. (Transfer) (p. 102)
- Information Systems Management Area of Concentration within Computer Science A.S. (Transfer) (p. 103)
- Computer Science Studies Certificate (Transfer) (p. 103)

## Computer Science A.S. (Transfer)

Program website ([https://www.frederick.edu/programs/information-technology/computer-science-\(1\).aspx](https://www.frederick.edu/programs/information-technology/computer-science-(1).aspx))

**Program Manager:** James Hatch

**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)

**Phone:** 301.624.2769

## Program Description

Provides a core of courses which enables the student to transfer to a four-year college and major in computer science. The program is designed to give broad coverage of both mathematics and computer science which is comparable to that offered in the first two years of a four-year college's computer science major with an emphasis on object-oriented design and programming.

## Program Learning Outcomes

- Create an object-oriented program that implements data structures.
- Identify problem requirements that demonstrate understanding of user needs.
- Explain solutions that satisfy problem requirements.
- Analyze complexity of problem solutions.
- Design problem solutions that demonstrate efficiency.
- Construct software applications that implement a Graphical User Interface (i.e., GUI) Front-End.
- Produce documentation that describes implementation.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 185	Calculus I	4
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) <sup>1</sup>		6

**Arts & Humanities**

Arts Elective (Gen Ed course list) (p. 69)	3
Humanities Elective (Gen Ed course list) (p. 70)	3
Communication Elective (Gen Ed course list) (p. 69)	3

**Biological & Physical Sciences**

Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)	4
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3

**Interdisciplinary & Emerging Issues**

CMIS 106 Object Design and Programming	3
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**Physical Education, Health, or Nutrition Requirement**

Select one PHED, HLTH, or NUTR course	1
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**Departmental Requirements**

CMIS 201 Computer Science I	4
CMIS 202 Computer Science II	4
CMIS 222 Computer Organization	4

**Electives**

Any CMIS courses	9
Any MATH courses	6
<b>Total Credits</b>	<b>60</b>

1

Electives must be from two disciplines.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Information Systems Management Area of Concentration within Computer Science A.S. (Transfer)

Program website (<https://www.frederick.edu/programs/information-technology/information-systems-management-area-of-concentrati.aspx>)

*The Information Systems Management Area of Concentration is being discontinued. No new students will be admitted to the program.*

## Computer Science Studies Certificate (Transfer)

Program website ([https://www.frederick.edu/programs/information-technology/computer-science-\(1\).aspx](https://www.frederick.edu/programs/information-technology/computer-science-(1).aspx))

**Program Manager:** James Hatch  
**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)  
**Phone:** 301.624.2769

## Program Description

Transfer certificate option designed for students seeking early entry to a computer science bachelor's program or for students with an undergraduate degree seeking to enter a graduate program that requires preparation in computer science and mathematics.

## Program Learning Outcomes

- Create an object-oriented program that implements data structures.
- Explain solutions that satisfy problem requirements.

- Analyze complexity of problem solutions.
- Design problem solutions that demonstrate efficiency.
- Construct software applications that implement a Graphical User Interface (i.e., GUI) Front-End.
- Produce documentation that describes implementation.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
MATH 185	Calculus I	4
CMIS 106	Object Design and Programming	3
CMIS 201	Computer Science I	4
CMIS 202	Computer Science II	4
<b>Total Credits</b>		<b>15</b>

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Early Childhood Development

Program website (<https://www.frederick.edu/programs/education-child-care/early-childhood-development-child-care.aspx>)

**Program Manager:** Delaine Welch  
**Email:** [dwelch@frederick.edu](mailto:dwelch@frederick.edu)  
**Phone:** 301.846.2559

- Early Childhood Development A.A.S. (Career) (p. 103)
- Early Childhood Development Certificate (Career) (p. 104)
- Child Care Preschool and School Age Teacher Training Certificate (Career) (p. 105)
- Child Care Preschool Teacher Letter of Recognition (Career) (p. 105)

## Early Childhood Development A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/education-child-care/early-childhood-development-child-care.aspx>)

**Program Manager:** Delaine Welch  
**Email:** [dwelch@frederick.edu](mailto:dwelch@frederick.edu)  
**Phone:** 301.846.2559

## Program Description

Prepares students to work in child care centers, Head Start programs, nursery schools, and for self employment as family child care providers or nannies. Program courses fulfill the educational requirements for senior staff, group leader, and director and also meet the Maryland child care credential and state requirements. A grade of "C" or better must be earned in all EDUC and ECED courses.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles and theories related to child development by completing one or more papers and projects based on observation of children.

- Demonstrate knowledge of developmentally appropriate curriculum and materials for infancy to eight years old through creating and presenting lesson plans.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.
- Synthesize their knowledge of the fundamentals and practices of early childhood development through a directed practicum/internship experience.
- Communicate appropriate guidance and behavior modification techniques and theories through case studies and observations.
- Explain, identify and discuss duties of administrators of child care settings through one or more papers and projects.
- Generate resources on appropriate children’s literature based on in-depth review.
- Explain and identify the major theories, historical roots and theorists in the field of early childhood education by completing one or more projects and papers.
- Develop a broader knowledge base by successfully completing coursework in general education courses.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
	Mathematics Elective (Gen Ed course list) (p. 71)	3
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
<b>Arts &amp; Humanities</b>		
ASLS 121 or SPAN 101	American Sign Language I Introductory Spanish I	3
<b>Biological &amp; Physical Sciences</b>		
	Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
<b>General Education Elective</b>		
	General Education Elective (Gen Ed course list) (p. 69) - Required and recommended course(s) below:	6
CMIS 101	Information Systems and Technology (required)	

HLTH 150	Health Education (recommended)	
HLTH 160	Stress Management (recommended)	
<b>Physical Education, Health, or Nutrition Requirement</b>		
HLTH 150 or HLTH 160 satisfies requirement		
<b>Departmental Requirements</b>		
ECED 105	Introduction to Early Childhood Education	3
ECED 125	Methods and Materials in Early Childhood	3
ECED 135	Infants Toddlers Development and Care (Fall)	3
ECED 145	Child Health, Safety and Nutrition (Fall)	3
ECED 155	Activities for the School-Age Child (Fall)	3
ECED 245	Directed Practicum in Early Childhood	3
or INTR 103	Internship	
ECED 205	Administration of Child Development Centers (Spring)	3
ECED 215	Understanding and Guiding the Young Child's Behavior (Spring)	3
Select one of the following: <sup>1</sup>		3
ECED 225	Language Literacy Development in Early Childhood (Spring)	
EDUC 240	Processes and Acquisition of Reading	
ECED 101	Child Development Behavior	3
EDUC 230	Foundations of Special Education (satisfies cultural competence requirement)	3
COMM 105	Small Group Communication (satisfies cultural competence requirement)	3
<b>Electives</b>		
Select three credit hours in consultation with an advisor or the transfer institution (ARTSYS)		3
Total Credits		60

1

Targeted for transfer students.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Early Childhood Development Certificate (Career)

Program website (<https://www.frederick.edu/programs/education-child-care/early-childhood-development-child-care.aspx>)

**Program Manager:** Delaine Welch

**Email:** [dwelch@frederick.edu](mailto:dwelch@frederick.edu)

**Phone:** 301.846.2559

## Program Description

Prepares students to work in child care centers, Head Start programs, nursery schools, or for self employment as family child care providers or nannies by offering specialized courses in early childhood. It also provides core early childhood courses to professionals who are currently working in the early childhood field. Courses fulfill the educational requirements for senior staff, group leader, director of a small center and also meet the Maryland child care credential and state requirements.

A grade of "C" or better must be earned in all EDUC and ECED courses.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles and theories related to child development by completing one or more papers and projects based on observation of children.

- Demonstrate knowledge of developmentally appropriate curriculum and materials for infancy to eight years old through creating and presenting lesson plans.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.
- Synthesize knowledge of the fundamentals and practices of early childhood development through a Directed Practicum/Internship experience.
- Communicate appropriate guidance and behavior modification techniques and theories through case studies and observations.
- Explain, identify and discuss duties of administrators of child care settings through one or more papers and projects.
- Generate resources on appropriate children’s literature based on in depth review.
- Explain and identify the major theories, historical roots and theorists in the field of early childhood.

age (before and after school programs). Students must complete each course with a “C” or better to receive this certificate.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles and theories related to child development by completing one or more papers and projects based on observation of children.
- Demonstrate knowledge of developmentally appropriate curriculum and materials for infancy to eight years old through creating and presenting lesson plans.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.
- Synthesize knowledge of the fundamentals and practices of early childhood development through a Directed Practicum/Internship experience.
- Communicate appropriate guidance and behavior modification techniques and theories through case studies and observations.
- Explain, identify and discuss duties of administrators of child care settings through one or more papers and projects.
- Generate resources on appropriate children’s literature based on in depth review.
- Explain and identify the major theories, historical roots and theorists in the field of early childhood education by completing one or more projects and papers.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ECED 105	Introduction to Early Childhood Education	3
ECED 125	Methods and Materials in Early Childhood	3
ECED 135	Infants Toddlers Development and Care (Fall)	3
ECED 145	Child Health, Safety and Nutrition (Fall)	3
ECED 155	Activities for the School-Age Child (Fall)	3
ECED 245	Directed Practicum in Early Childhood	3
or INTR 103	Internship	
ECED 205	Administration of Child Development Centers (Spring)	3
ECED 215	Understanding and Guiding the Young Child’s Behavior (Spring)	3
ECED 225	Language Literacy Development in Early Childhood (Spring)	3
ECED 101	Child Development Behavior	3
EDUC 230	Foundations of Special Education	3
Total Credits		33

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ECED 125	Methods and Materials in Early Childhood	3
ECED 135	Infants Toddlers Development and Care (Fall)	3
ECED 155	Activities for the School-Age Child (Fall)	3
ECED 101	Child Development Behavior	3
Total Credits		12

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Child Care Preschool and School Age Teacher Training Certificate (Career)

Program website (<https://www.frederick.edu/programs/education-child-care/early-childhood-development-child-care.aspx>)

## Child Care Preschool Teacher Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/education-child-care/early-childhood-development-child-care.aspx>)

**Program Manager:** Delaine Welch  
**Email:** [dwelch@frederick.edu](mailto:dwelch@frederick.edu)  
**Phone:** 301.846.2559

**Program Manager:** Delaine Welch  
**Email:** [dwelch@frederick.edu](mailto:dwelch@frederick.edu)  
**Phone:** 301.846.2559

## Program Description

Prepares students to enter the workforce in early childhood development. The certificate targets four courses that are required to meet the educational requirements of the Maryland State Department of Education Office of Child Care. The certificate highlights the following positions: child care teacher of preschools, infant/toddler classrooms, and school

## Program Description

Meets the educational requirements of the Maryland State Department of Education Office of Child Care for the position of child care preschool teacher. In this position, students can teach preschool children in various settings. Students must pass both courses with a “C” or better to receive the LOR.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ECED 125	Methods and Materials in Early Childhood	3
ECED 101	Child Development Behavior	3
Total Credits		6

## Education

Program website (<https://www.frederick.edu/programs/education-child-care/education.aspx>)

**Program Manager:** Heather Hinkle

**Email:** [hhinkle@frederick.edu](mailto:hhinkle@frederick.edu)

**Phone:** 301.846.2461

- Early Childhood Education/Early Childhood Special Education A.A.T. (Transfer) (p. 106)
- Elementary Education/Elementary Special Education A.A.T. (Transfer) (p. 107)
- English Education A.A.T. (Transfer) (p. 107)
- Mathematics Education A.A.T. (Transfer) (p. 108)
- Spanish Education A.A.T. (Transfer) (p. 109)

## Teacher Preparation

Students wishing to teach Early Childhood Education/Special Education, Elementary/Special Education, English, Mathematics, or Spanish/World Languages can pursue an Associate of Arts in Teaching (A.A.T.). These degrees transfer to most four-year institutions in the state of Maryland as the complete first two years of Teacher Preparation. Students are required to earn a "C" or better in all courses, achieve a 3.0 GPA, OR achieve a 2.75 GPA and have qualifying scores on one of the state-approved basic skills tests for future teachers.

Students wishing to teach in certification areas other than those covered by an A.A.T. degree should consider the Education Area of Concentration in the Social Sciences A.A. degree. Students are strongly encouraged to meet with the Education Program Coordinator and to consult with the Education Department at their transfer institution in order to plan their coursework.

## Early Childhood Education/Early Childhood Special Education A.A.T. (Transfer)

Program website (<https://www.frederick.edu/programs/education-child-care/early-childhood-development-child-care.aspx>)

**Program Manager:** Delaine Welch

**Email:** [dwelch@frederick.edu](mailto:dwelch@frederick.edu)

**Phone:** 301.846.2559

## Program Description

Designed for students planning to transfer to an early childhood and/or special education teacher preparation program at a four-year college or university in the state of Maryland. Students may be required to take additional special education or inclusion courses as part of the requirements for a baccalaureate degree and teacher education certification at a four-year institution. Students planning to transfer out of

the state should consult with Career and Academic Planning Services as well as an academic advisor at their transfer school of choice.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles, and theories related to human development by completing one or more papers and projects based on observation of children and adolescents.
- Demonstrate knowledge of curriculum approaches and effective methods of teaching and learning through creating and presenting lesson plans applicable to course topics.
- Compose and collect artifacts (i.e. papers, projects) for current and future portfolios and participate in activities (i.e. case study experiences, interviews) to demonstrate how students differ in their development and approaches to learning.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.
- Develop an initial knowledge base in future teaching content areas by successfully completing coursework in relevant areas.

## Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
ENGL 102	English Composition and Literature	3
<b>Mathematics</b>		
MATH 110	Fundamental Concepts of Mathematics I	4
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
HIST 201	History of the United States I	3
GEOG 102	Cultural Geography (satisfies cultural competence requirement)	3
<b>Arts &amp; Humanities</b>		
ARTT 100	Introduction to the Creative Arts	3
Select an English (ENGL) course from the Humanities Elective (Gen Ed course list) (p. 70)		
<b>Biological &amp; Physical Sciences</b>		
BSCI 100	Fundamental Concepts of Biology	4
or BSCI 150	Principles of Biology I	
PHSC 111	Introduction to Physical Science	4
PHSC 112	Introduction to Earth Systems Science	4
<b>Interdisciplinary &amp; Emerging Issues</b>		
HLTH 150	Health Education	3
<b>Other Requirements</b>		
ECED 105	Introduction to Early Childhood Education	3
ECED 125	Methods and Materials in Early Childhood	3
ECED 101	Child Development Behavior	3
EDUC 230	Foundations of Special Education (satisfies cultural competence requirement)	3
EDUC 240	Processes and Acquisition of Reading	3
MATH 113	Fundamental Concepts of Mathematics II	4
MATH 127	Statistics with Probability	4
Total Credits		63

## A.A.T. Requirements

To earn the A.A.T., students must achieve either a) a 3.0 cumulative grade point average on a 4.0 scale OR b) a 2.75 cumulative grade point average on a 4.0 scale and qualifying scores on the basic skills assessments for teacher licensure as established by the State Superintendent of Schools and as approved by the State Board of Education (students must provide the Registrar's Office with qualifying scores on one of the state approved

basic skills tests for future teachers) AND students must earn a "C" or better in all courses used to satisfy the A.A.T. requirements.

Students are strongly encouraged to consult with an academic advisor at their transfer institution as early as possible and should be aware that some colleges and universities may require higher GPAs and/or additional tests. Forty-five (45) hours of observation in a school-based setting is required as part of the education degree coursework.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Elementary Education/Elementary Special Education A.A.T. (Transfer)

Program website (<https://www.frederick.edu/programs/education-child-care/education.aspx>)

**Program Manager:** Heather Hinkle

**Email:** [hhinkle@frederick.edu](mailto:hhinkle@frederick.edu)

**Phone:** 301.846.2461

## Program Description

Designed for students planning to transfer to an elementary and/or special education teacher preparation program at a four-year college or university in the state of Maryland. Students may be required to take additional special education or inclusion courses as part of the requirements for a baccalaureate degree and teacher education certification at a four-year institution. Students planning to transfer out of the state should consult with Career and Academic Planning Services as well as an academic advisor at their transfer school of choice.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles, and theories related to human development by completing one or more papers and projects based on observation of children and adolescents.
- Demonstrate knowledge of curriculum approaches and effective methods of teaching and learning through creating and presenting lesson plans applicable to course topics.
- Compose and collect artifacts (i.e. papers, projects) for current and future portfolios and participate in activities (i.e. case study experiences, interviews) to demonstrate how students differ in their development and approaches to learning.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.
- Develop an initial knowledge base in future teaching content areas by successfully completing coursework in relevant areas.

## Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
ENGL 102	English Composition and Literature	3
<b>Mathematics</b>		

MATH 110	Fundamental Concepts of Mathematics I	4
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
HIST 201	History of the United States I	3
GEOG 102	Cultural Geography (satisfies cultural competence requirement)	3
<b>Arts &amp; Humanities</b>		
ARTT 100	Introduction to the Creative Arts	3
Select one of the following:		
COMM 103	Public Speaking	3
COMM 105	Small Group Communication (satisfies cultural competence requirement)	3
<b>Biological &amp; Physical Sciences</b>		
BSCI 100	Fundamental Concepts of Biology	4
or BSCI 150	Principles of Biology I	4
PHSC 111	Introduction to Physical Science	4
PHSC 112	Introduction to Earth Systems Science	4
<b>Interdisciplinary &amp; Emerging Issues</b>		
HLTH 150	Health Education	3
<b>Other Requirements</b>		
EDUC 110	Schools and Society	3
EDUC 220	Educational Psychology	3
EDUC 230	Foundations of Special Education (satisfies cultural competence requirement)	3
EDPS 210	Human Growth and Development	3
EDUC 240	Processes and Acquisition of Reading	3
MATH 113	Fundamental Concepts of Mathematics II	4
MATH 127	Statistics with Probability	4
Total Credits		63

## A.A.T. Requirements

To earn the A.A.T., students must achieve either a) a 3.0 cumulative grade point average on a 4.0 scale OR b) a 2.75 cumulative grade point average on a 4.0 scale and qualifying scores on the basic skills assessments for teacher licensure as established by the State Superintendent of Schools and as approved by the State Board of Education (students must provide the Registrar's Office with qualifying scores on one of the state approved basic skills tests for future teachers) AND students must earn a "C" or better in all courses used to satisfy the A.A.T. requirements.

Students are strongly encouraged to consult with an academic advisor at their transfer institution as early as possible and should be aware that some colleges and universities may require higher GPAs and/or additional tests. Forty-five (45) hours of observation in a school based setting is required as part of the education degree coursework.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## English Education A.A.T. (Transfer)

Program website (<https://www.frederick.edu/programs/education-child-care/education.aspx>)

**Program Manager:** Heather Hinkle

**Email:** [hhinkle@frederick.edu](mailto:hhinkle@frederick.edu)

**Phone:** 301.846.2461

## Program Description

Designed for students planning to transfer to an English teacher preparation program at a four-year college or university in the state of Maryland. Students planning to transfer out of the state should consult with Career and Academic Planning Services as well as an academic advisor at their transfer school of choice.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles, and theories related to human development by completing one or more papers and projects based on observation of children and adolescents.
- Demonstrate knowledge of curriculum approaches and effective methods of teaching and learning through creating and presenting lesson plans applicable to course topics.
- Compose and collect artifacts (i.e. papers, projects) for current and future portfolios and participate in activities (i.e. case study experiences, interviews) to demonstrate how students differ in their development and approaches to learning.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.
- Develop an initial knowledge base in future teaching content areas by successfully completing coursework in relevant areas.

## Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
EDUC 110	Schools and Society	3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
ENGL 102	English Composition and Literature	3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (lab course)		4
<b>Interdisciplinary &amp; Emerging Issues</b>		
Wellness Elective (Gen Ed course list) (p. 70)		3
Computer Literacy Elective (Gen Ed course list) (p. 70)		3
<b>Other Requirements</b>		
ENGL 201	British Literature Anglo-Saxon Period to the Eighteenth Century	3
or ENGL 202	British Literature Eighteenth Century through the Present	
Select one of the following:		3
ENGL 203	American Literature Pre-Colonial through Civil War Periods	
ENGL 204	American Literature Civil War Period through the Present	
ENGL 230	African American Literature (satisfies cultural competence requirement)	
Select one of the following:		3
ENGL 205	World Literature through 1650 C.E. (satisfies cultural competence requirement)	
ENGL 206	World Literature 1650 C.E. through the Present (satisfies cultural competence requirement)	
ENGL 231	English Language Studies	3
EDUC 220	Educational Psychology	3
EDUC 230	Foundations of Special Education (satisfies cultural competence requirement)	3

History Elective (Gen Ed course list) (p. 71)	3	
History Elective (Gen Ed course list) (p. 71)	3	
PSYC 204	Psychology of Adolescence	3
Elective	3	
Total Credits	61	

## A.A.T. Requirements

To earn the A.A.T., students must achieve either a) a 3.0 cumulative grade point average on a 4.0 scale OR b) a 2.75 cumulative grade point average on a 4.0 scale and qualifying scores on the basic skills assessments for teacher licensure as established by the State Superintendent of Schools and as approved by the State Board of Education (students must provide the Registrar's Office with qualifying scores on one of the state approved basic skills tests for future teachers) AND students must earn a "C" or better in all courses used to satisfy the A.A.T. requirements.

Students are strongly encouraged to consult with an academic advisor at their transfer institution as early as possible and should be aware that some colleges and universities may require higher GPAs and/or additional tests. Forty-five (45) hours of observation in a school based setting is required as part of the education degree coursework.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Mathematics Education A.A.T. (Transfer)

Program website (<https://frederick.edu/programs/education-child-care/education.aspx>)

**Program Manager:** Heather Hinkle

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**Phone:** 301.846.2461

## Program Description

Designed for students planning to transfer to a mathematics teacher preparation program at a four-year college or university in the state of Maryland. Students planning to transfer out of the state should consult with Career and Academic Planning Services as well as an academic advisor at their transfer school of choice.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles, and theories related to human development by completing one or more papers and projects based on observation of children and adolescents.
- Demonstrate knowledge of curriculum approaches and effective methods of teaching and learning through creating and presenting lesson plans applicable to course topics.
- Compose and collect artifacts (i.e. papers, projects) for current and future portfolios and participate in activities (i.e. case study experiences, interviews) to demonstrate how students differ in their development and approaches to learning.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.

- Develop an initial knowledge base in future teaching content areas by successfully completing coursework in relevant areas.

## Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 185	Calculus I	4
MATH 195	Calculus II	4
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
EDUC 110	Schools and Society	3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Communication Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
<b>Biological &amp; Physical Sciences</b>		
PHYS 151	General Physics I	4
PHYS 252	General Physics II	4
<b>Interdisciplinary &amp; Emerging Issues</b>		
Wellness Elective (Gen Ed course list) (p. 70)		3
Computer Literacy Elective (Gen Ed course list) (p. 70)		3
<b>Other Requirements</b>		
EDUC 220	Educational Psychology	3
EDUC 230	Foundations of Special Education (satisfies cultural competence requirement)	3
MATH 285	Calculus III	4
MATH 265	Linear Algebra (Fall)	4
PSYC 204	Psychology of Adolescence	3
Electives - Select six credits of electives <sup>1</sup>		6
<b>Total Credits</b>		<b>63</b>

1

Recommended to include MATH 165 Precalculus or MATH 145 College Algebra, if needed, and PHYS 101 Survey of Physics if there has been no previous coursework in physics.

## A.A.T. Requirements

To earn the A.A.T., students must achieve either a) a 3.0 cumulative grade point average on a 4.0 scale OR b) a 2.75 cumulative grade point average on a 4.0 scale and qualifying scores on the basic skills assessments for teacher licensure as established by the State Superintendent of Schools and as approved by the State Board of Education (students must provide the Registrar's Office with qualifying scores on one of the state approved basic skills tests for future teachers) AND students must earn a "C" or better in all courses used to satisfy the A.A.T. requirements.

Students are strongly encouraged to consult with an academic advisor at their transfer institution as early as possible and should be aware that some colleges and universities may require higher GPAs and/or additional tests. Forty-five (45) hours of observation in a school based setting is required as part of the education degree coursework.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Spanish Education A.A.T. (Transfer)

Program website (<https://www.frederick.edu/programs/education-child-care/education.aspx>)

**Program Manager:** Heather Hinkle

**Email:** [hhinkle@frederick.edu](mailto:hhinkle@frederick.edu)

**Phone:** 301.846.2461

## Program Description

Designed for students planning to transfer to a Spanish teacher preparation program at a four-year college or university in the state of Maryland. Students planning to transfer out of the state should consult with Career and Academic Planning Services as well as an academic advisor at their transfer school of choice.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles, and theories related to human development by completing one or more papers and projects based on observation of children and adolescents.
- Demonstrate knowledge of curriculum approaches and effective methods of teaching and learning through creating and presenting lesson plans applicable to course topics.
- Compose and collect artifacts (i.e. papers, projects) for current and future portfolios and participate in activities (i.e. case study experiences, interviews) to demonstrate how students differ in their development and approaches to learning.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.

## Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
EDUC 110	Schools and Society	3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Communication Elective (Gen Ed course list) (p. 69)		3
SPAN 101	Introductory Spanish I	3
SPAN 102	Introductory Spanish II	3
SPAN 201	Intermediate Spanish I (satisfies cultural competence requirement)	3
SPAN 202	Intermediate Spanish II (satisfies cultural competence requirement)	3
Select two consecutive courses in another language: FREN, GERM, ITAL, or LATN		6
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Interdisciplinary &amp; Emerging Issues</b>		
Wellness Elective (Gen Ed course list) (p. 70)		3
Computer Literacy Elective (Gen Ed course list) (p. 70)		3
<b>Other Requirements</b>		
EDUC 220	Educational Psychology	3
EDUC 230	Foundations of Special Education (satisfies cultural competence requirement)	3
PSYC 204	Psychology of Adolescence	3

Elective – Recommended course(s) below.		3
SPAN 211	Spanish Conversation I	
Total Credits		61

## A.A.T. Requirements

To earn the A.A.T., students must achieve either a) a 3.0 cumulative grade point average on a 4.0 scale OR b) a 2.75 cumulative grade point average on a 4.0 scale and qualifying scores on the basic skills assessments for teacher licensure as established by the State Superintendent of Schools and as approved by the State Board of Education (students must provide the Registrar's Office with qualifying scores on one of the state approved basic skills tests for future teachers) AND students must earn a "C" or better in all courses used to satisfy the A.A.T. requirements.

Students are strongly encouraged to consult with an academic advisor at their transfer institution as early as possible and should be aware that some colleges and universities may require higher GPAs and/or additional tests. Forty-five (45) hours of observation in a school based setting is required as part of the education degree coursework.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Emergency Management

Program website (<https://www.frederick.edu/programs/public-safety/emergency-management-online.aspx>)

**Program Manager:** Diana Culp

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**Phone:** 240.629.7952

- Emergency Management Track I: FEMA Independent Study A.A.S. (Career) (p. 110)
- Emergency Management Track II: Residency Program A.A.S. (Career) (p. 111)
- Emergency Management Certificate (Career) (p. 112)
- Emergency Management - Professional Development Letter of Recognition (Career) (p. 113)
- Tactical Scholars Program Letter of Recognition (Career) (p. 113)
- GIS-Public Safety Letter of Recognition (Career) (p. 114)

## Emergency Management Track I: FEMA Independent Study A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/public-safety/emergency-management-online.aspx>)

**Program Manager:** Diana Culp

**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)

**Phone:** 240.629.7952

## Program Description

Provides students with a broad education in emergency management. Focuses on preparedness and the skills needed to organize and lead emergency management operations.

After completing the required FEMA IS prerequisites, students enroll in the following courses: EMGT 115, EMGT 125, EMGT 135, EMGT 215, EMGT 225, EMGT 235. **Students must earn a grade of 'C' or better in these EMGT courses.** These are FCC online courses offered during the fall, spring, and summer semesters.

The process to transfer FEMA IS prerequisites to Frederick Community College (FCC) takes place in three (3) environments:

1. FEMA website: Take FEMA IS courses online at <https://training.fema.gov/is/crslist.aspx>
2. EMI/Jacobs: Transfer FEMA IS courses to FCC college credit at [www.emstudy.com](http://www.emstudy.com) (<http://www.emstudy.com>)
3. FCC: Where final FEMA college credit resides, and where EMGT courses are completed.

## Program Learning Outcomes

- Demonstrate the knowledge needed to work effectively in an Emergency Management organization.
- Demonstrate the oral and written communication ability to work effectively in an Emergency Management organization.
- Demonstrate the leadership ability to work effectively in an Emergency Management organization.
- Assist with the design, development, and oversight of Emergency Management exercises.
- Provide leadership and direction to volunteers and professionals in an Emergency Management organization.
- Communicate information about Emergency Management procedures and processes to the public.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

- Students must earn a grade of 'C' or better in the following courses: EMGT 115 Foundations of Emergency Management, EMGT 125 Emergency Management Coordination, EMGT 135 Leadership and Management, EMGT 215 Planning and Response, EMGT 225 Emergency Management Mitigation, and EMGT 235 Recovery, Assessment, and Exercise.

## Emergency Management Track II: Residency Program A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/public-safety/emergency-management-residency.aspx>)

**Program Manager:** Diana Culp  
**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)  
**Phone:** 240.629.7952

### Program Description

Provides students with a broad education in emergency management. Focuses on preparedness and the skills needed to organize and lead emergency management operations. Track II allows regional students to earn their degree in a hybrid format through a combination of online and on-campus courses. Students should consult with the Program Manager before enrolling.

### Program Learning Outcomes

- Demonstrate the knowledge needed to work effectively in an Emergency Management organization.
- Demonstrate the oral and written communication ability to work effectively in an Emergency Management organization.
- Demonstrate the leadership ability to work effectively in an Emergency Management organization.
- Assist with the design, development, and oversight of Emergency Management exercises.
- Provide leadership and direction to volunteers and professionals in an Emergency Management organization.
- Communicate information about Emergency Management procedures and processes to the public.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts & Humanities Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements <sup>1</sup></b>		
EMGT 115	Foundations of Emergency Management	3
EMGT 125	Emergency Management Coordination	3
EMGT 135	Leadership and Management	3
EMGT 215	Planning and Response	3
EMGT 225	Emergency Management Mitigation	3
EMGT 235	Recovery, Assessment, and Exercise	3
<b>Other Requirements</b>		
FEMA 221	Cultural Competence in Disaster: Before, During, and After	1
Select one of the following:		3
INTR 103	Internship	
EMGT 297	Emergency Management Capstone <sup>2</sup>	
<b>FEMA or EMGT Electives:</b>		
Select six credits from FEMA or EMGT courses not listed above		6
Electives		10
Total Credits		60

1

Listed EMGT courses require completion of selected FEMA Independent Study (IS) courses, and conversion of those courses to credit, prior to enrolling. Students should be sure to check course listings or consult a Public Safety advisor to confirm completion of the most current requirements.

2

Students should consult a Public Safety advisor before selecting EMGT 297 Emergency Management Capstone or INTR 103 Internship.

### Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts & Humanities Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>General Education Electives</b>		
Wellness Elective (Gen Ed course list) (p. 70)		3
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Wellness Elective satisfies this requirement		
<b>Departmental Requirements</b>		
EMGT 101	Disaster, Crisis, and Emergency Management	3
EMGT 104	Disaster Response and Recovery	3
EMGT 106	Hazard, Risk, and Mitigation	3
EMGT 110	Federal Emergency Management	3
EMGT 111	Preparing and Securing the Homeland	3
EMGT 130	Integrated Emergency Management	3
EMGT 201	Public Safety GIS and Technology	3
EMGT 213	Social Impacts of Disaster (satisfies cultural competence requirement)	3
EMGT 220	Emergency Operations Planning	3
EMGT 221	Public Safety Leadership and Ethics	3
EMGT 297	Emergency Management Capstone	3
<b>Electives</b>		
Elective Courses <sup>1</sup>		6
Total Credits		60

1

For purposes of Financial Aid eligibility, PLAC 101 Prior Learning Assessment: Portfolio Development may be used toward satisfaction of Elective credit requirements.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Emergency Management Certificate (Career)

Program website (<https://www.frederick.edu/programs/public-safety/emergency-management-online.aspx>)

**Program Manager:** Diana Culp

**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)

**Phone:** 240.629.7952

## Program Description

Provides students with a broad education in emergency management. Focuses on preparedness and the skills needed to organize and lead emergency management operations.

After completing the required FEMA IS prerequisites, students enroll in the following courses: EMGT 115, EMGT 125, EMGT 135, EMGT 215, EMGT 225, EMGT 235. **Students must earn a grade of 'C' or better in these**

**EMGT courses.** These are FCC online courses offered during the fall, spring, and summer semesters.

The process to transfer FEMA IS prerequisites to Frederick Community College (FCC) takes place in three (3) environments:

1. FEMA website: Take FEMA IS courses online at <https://training.fema.gov/is/crslist.aspx>
2. EMI/Jacobs: Transfer FEMA IS courses to FCC college credit at [www.emstudy.com](http://www.emstudy.com) (<http://www.emstudy.com>)
3. Frederick Community College (FCC): Where final FEMA college credit resides and where EMGT courses are completed.

## Program Learning Outcomes

- Demonstrate the knowledge needed to work effectively in an Emergency Management organization.
- Demonstrate the oral and written communication ability to work effectively in an Emergency Management organization.
- Demonstrate the leadership ability to work effectively in an Emergency Management organization.
- Assist with the design, development, and oversight of Emergency Management Exercises.
- Provide leadership and direction to volunteers and professionals in an Emergency Management organization.
- Communicate information about Emergency Management procedures and process to the public.

## Program Requirements

Code	Title	Credits
<b>Requirements <sup>1</sup></b>		
EMGT 115	Foundations of Emergency Management	3
EMGT 125	Emergency Management Coordination	3
EMGT 135	Leadership and Management	3
EMGT 215	Planning and Response	3
EMGT 225	Emergency Management Mitigation	3
EMGT 235	Recovery, Assessment, and Exercise	3
<b>Other Requirements</b>		
FEMA 221	Cultural Competence in Disaster: Before, During, and After	1
FEMA or EMGT Electives - Select six credits from FEMA or EMGT courses not listed above <sup>2</sup>		6
Total Credits		25

1

Listed EMGT courses require completion of selected FEMA Independent Study (IS) courses, and conversion of those courses to credit, prior to enrolling. Students should be sure to check course listings or consult a Public Safety advisor to confirm completion of the most current requirements.

2

If using FEMA courses, each course may serve as a prerequisite to an EMGT course or an Elective that works towards this requirement, but not both.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

# Emergency Management - Professional Development Letter of Recognition (Career)

**Program Manager:** Diana Culp  
**Email:** dculp@frederick.edu  
**Phone:** 240.629.7952

## Program Description

Provides a well-rounded initial skillset for those entering or already in the emergency management profession. A combination of FEMA Independent Study and FCC coursework, it addresses emergency management discipline basics, hones leadership and communication skills, and introduces fundamental concepts of planning, exercising, and volunteer management. This LOR is designed to offer a broad foundation in the field, which students may use to develop their careers or build upon in further studies.

Students will achieve completion of the FEMA Professional Development Series as part of this program.

After completing the required FEMA IS prerequisites, students enroll in selected EMGT courses. **Students must earn a grade of 'C' or better in these EMGT courses.** These are FCC online courses offered during the fall, spring, and summer semesters.

The process to transfer FEMA IS prerequisites to Frederick Community College (FCC) takes place in three (3) environments:

1. FEMA website: Take FEMA IS courses online at <https://training.fema.gov/is/crslist.aspx>
2. EMI/Jacobs: Transfer FEMA IS courses to FCC college credit at [www.emstudy.com](http://www.emstudy.com) (<http://www.emstudy.com>)
3. FCC: Where final FEMA college credit resides, and where EMGT courses are completed.

## Program Learning Outcomes

- Demonstrate the knowledge necessary to effectively work, communicate, and manage volunteer personnel in an emergency management organization or environment.
- Demonstrate the oral and written communication ability to work effectively in an emergency management organization or environment.
- Demonstrate an understanding of leadership paradigms and trust building in an emergency management context, and the ability to apply them in an emergency management environment.
- Assist in the design, development, operation, and oversight of emergency management exercises and planning processes.
- Communicate information about emergency management procedures and processes to the public in an effective and inclusive manner.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
EMGT 115	Foundations of Emergency Management	3
EMGT 135	Leadership and Management	3
<b>Other Requirements</b>		
FEMA 103	Community Disaster Exercise	1

or EMGT 235	Recovery, Assessment, and Exercise	
FEMA 140	Emergency Planning	1
or EMGT 215	Planning and Response	
FEMA 221	Cultural Competence in Disaster: Before, During, and After	1
Total Credits		9

# Tactical Scholars Program Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/public-safety/emergency-management-online.aspx>)

**Program Manager:** Diana Culp  
**Email:** dculp@frederick.edu  
**Phone:** 240.629.7952

## Program Description

Designed for students with previous emergency management career experience, or a desire for focused study on a specialized topic(s) within the field. Tactical Scholars will begin by exploring the fundamentals of emergency management, then work with the Program Manager to identify a sequence of specialized coursework best suited to their needs for career advancement or academic exploration. Culminating with an opportunity for application and directed reflection, the Tactical Scholar Program flexibility prepares students for additional work responsibilities or further, higher-level study.

After completing the required FEMA IS prerequisites, students enroll in selected EMGT courses. **Students must earn a grade of 'C' or better in these EMGT courses.** These are FCC online courses offered during the fall, spring, and summer semesters.

The process to transfer FEMA IS prerequisites to Frederick Community College (FCC) takes place in three (3) environments:

1. FEMA website: Take FEMA IS courses online at <https://training.fema.gov/is/crslist.aspx>
2. EMI/Jacobs: Transfer FEMA IS courses to FCC college credit at [www.emstudy.com](http://www.emstudy.com) (<http://www.emstudy.com>)
3. FCC: Where final FEMA college credit resides, and where EMGT courses are completed.

## Program Learning Outcomes

- Demonstrate the knowledge needed to work effectively in an Emergency Management organization.
- Demonstrate the oral and written communication ability to work effectively in an Emergency Management organization.
- Demonstrate leadership ability to work effectively in an Emergency Management organization.
- Assist with the design, development, and oversight of Emergency Management exercises.
- Provide leadership and direction to volunteers and professionals in an Emergency Management organization.
- Communicate information about Emergency Management procedures and process to the public.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
EMGT 115	Foundations of Emergency Management	3
Any two (2) EMGT courses <sup>1</sup>		6
EMGT 197	Tactical Scholar Reflection	3
Total Credits		12

1

Select these courses in consultation with the Program Manager or a Public Safety department advisor; required prerequisite coursework (FEMA credits, etc.) may vary depending on selections

## GIS-Public Safety Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/public-safety/gis.aspx>)

**Program Manager:** Diana Culp

**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)

**Phone:** 240.629.7952

## Program Description

Designed to offer a series of courses which will serve as the foundation for preparing students to use Geographic Information Systems (GIS) and related technologies consistent with entry-level employment in public safety. Students will learn foundational GIS principles, how they are used in a variety of public safety careers, and the core skills for utilizing those principles themselves.

## Program Learning Outcomes

- Recognize career opportunities in the geospatial industry and the licenses and certifications available to professionals in the industry.
- Explain the role that GIS plays in supporting public safety through each mission area.
- Describe the types of products that GIS can produce.
- Explain how complimentary technologies contribute to GIS including, but limited to, GPS, Remote Sensing, and data collection products.
- Demonstrate knowledge of basic GIS concepts, terminology, and applications as they apply to the public safety sector.
- Apply GIS software utilizing ArcGIS and/or open source applications to manage GIS data including, but not limited to, vector, raster, and attributed data.
- Analyze common formats of spatial data, as well as parameters such as scale, projection, coordinate systems and metadata.
- Examine volunteered geographic information (VGI) and crowd-sourced data and discuss how these collection techniques apply within the field of public safety.
- Model geographic objects such as bounded areas (e.g., census tracts or service districts), specific locations (buildings or incidents such as a mass casualty), and networks (e.g., streets).
- Interpret and review finished maps created using GIS software.
- Evaluate best practices for establishing and maintaining data flow, products, and timelines during an incident.

- Consider unique characteristics of spatial data and compare vector and raster data.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
GISA 101	Introduction to Geographic Information Systems with ArcGIS	3
EMGT 201	Public Safety GIS and Technology	3
FEMA 191	Emergency Management Technical Tools Application	1
FEMA 192	Geospatial Information Systems Specialists	1
FEMA 200	Homeland Security Geospatial Operations Management	1
Total Credits		9

## Emergency Medical Technician/Paramedic

**Program Advisor:** Jenny McAninley

**Email:** [jmcaninley@frederick.edu](mailto:jmcaninley@frederick.edu)

**Phone:** 240.629.7935

- Emergency Medical Technician/Paramedic A.A.S. (Career) - Howard Community College (p. 114)

## Emergency Medical Technician/Paramedic A.A.S. (Career) - Howard Community College

**Program Advisor:** Jenny McAninley

**Email:** [jmcaninley@frederick.edu](mailto:jmcaninley@frederick.edu)

**Phone:** 240.629.7935

## Mid-Maryland Allied Healthcare Education Consortium

### Program Description

This area of study prepares graduates to provide immediate care for the critically ill or injured at the site of an emergency. Emergency care is maintained during transport of patients to hospital settings. Instruction includes classroom and clinical experience. Successful completion of the program leads to eligibility to take state and national certification examinations in Emergency Medical Technician-Paramedic. Graduates are employed by fire and rescue organizations, hospitals, private ambulance companies, and other health care agencies. Current EMT certification<sup>1</sup> and all required prerequisite courses must be verified for enrollment in EMSP-160, along with proof of experience as an EMT as outlined by Code of Maryland (COMAR) regulations.

For more information, contact Career and Academic Planning Services at FCC or the Health Sciences Division at Howard Community College, 443.518.1560.

1

EMT certification may be obtained by completing EMSP 106 and EMSP 107.

## Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition <sup>1</sup>	3

**Mathematics**

Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:	3
MATH 120 Statistics	

**Social & Behavioral Sciences**

PSYC 101 General Psychology	3
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**Arts & Humanities**

COMM 101 Introduction to Communication Studies	3
or COMM 103 Public Speaking	

**Biological & Physical Sciences**

BSCI 223 Microbiology for Allied Health	4
BSCI 201 Anatomy and Physiology I	4
BSCI 202 Anatomy and Physiology II	4

**Emergency Medical Technician/Paramedic <sup>2</sup>**

HEAL 105 Drug Calculations	1
EMSP 160 Prevention and Management of Emergency Situations	6
EMSP 200 Airway, Patient Assessment and Trauma Management	9
EMSP 205 Medical Emergencies I	5
EMSP 210 Medical Emergencies II	9
EMSP 215 Medical Emergencies III	6
EMSP 230 Paramedic Internship and Evaluation	5

Total Credits	65
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1  
Students must earn a grade of "C" or better in ENGL 101 English Composition.

2  
Courses offered at Howard Community College.

A grade of "C" or better is required in all paramedic, mathematics, and science courses.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Fire Service Administration

Program website (<https://www.frederick.edu/programs/public-safety/fire-service-administration.aspx>)

**Interim Program Manager:** Diana Culp  
**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)  
**Phone:** 301.846.2687

- Fire Service Administration A.A.S. (Career) (p. 115)

## Fire Service Administration A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/public-safety/fire-service-administration.aspx>)

**Interim Program Manager:** Diana Culp  
**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)  
**Phone:** 301.846.2687

## Program Description

Prepares graduates to function as entry-level fire and emergency service providers as well as to provide the degree credential necessary for rank promotion and career advancement.

The Fire Service Administration program is open to any career or volunteer fire fighter. This program integrates general education coursework with the major components of the Division of Fire Rescue Services (DFRS) Fire/Rescue training curriculum. Students will complete a total of 60 credits, including 21 general education credits, 24 credits in supporting professional studies courses, and 15 credits through Fire/Rescue Department Career Recruit School courses. Certain courses are restricted to employees or volunteers of the Fire/EMS Department or an emergency services agency.

## Program Learning Outcomes

- Demonstrate college-level communication skills.
- Demonstrate critical thinking.
- Demonstrate the capacity for systems thinking about ways in which individuals, groups, institutions, and societies interrelate. (Social Sciences)
- Demonstrate quantitative problem solving. (Math)
- Apply scientific reasoning. (Science)
- Demonstrate technological competence.
- Interpret and apply academic, professional and civic ethics.
- Make informed, critical responses to the visual, performing and literary arts and to the human values expressed in all art forms.
- Evaluate personal wellness to make critically informed lifestyle choices reflecting an understanding of wellness.
- Demonstrate cultural competence.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		

Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 101	Foundations of Mathematics	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
SOCY 102	Social Problems	
<b>Arts &amp; Humanities</b>		
Arts & Humanities Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
COMM 105	Small Group Communication <sup>1</sup>	
COMM 107	Career Communication	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
BSCI 201	Anatomy and Physiology I	
BSCI 107	Study of the Human Body	
BSCI 117	Human Biology	
CHEM 101	General Chemistry I	
<b>Interdisciplinary &amp; Emerging Issues</b>		
Wellness Elective (Gen Ed course list) (p. 70)		3
HLTH 160	Stress Management (recommended)	
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Wellness elective above satisfies this requirement		
<b>Departmental Requirements</b>		
FIRE 101	Fire Protection Systems	3
FIRE 103	Fire Investigation and Analysis	3
FIRE 105	Risk Assessment, Reduction, and Safety	3
FIRE 107	Disaster Planning and Response	3
EMGT 201	Public Safety GIS and Technology	3
FIRE 201	Fire and Emergency Services Administration	3
EMGT 221	Public Safety Leadership and Ethics	3
EMGT 104	Disaster Response and Recovery	3
<b>Other Requirements <sup>2</sup></b>		
FS 145-EMTB	Emergency Medical Technician Basic	6
FS 112-EVO	Emergency Vehicle Operator	2
FS 101-FFI	Firefight	3
FS 102-FFII	Firefighter II	2
FS 108-HMO	Hazardous Material Operations	1
Select one of the following:		1
FS 117-ICS	Incident Command System	
FEMA 150	Incident Command System (ICS)	
Total Credits		60

1

Satisfies cultural competence requirement.

2

Articulated from coursework/training through either the DFRS Recruit Fire Academy Program, the Maryland Fire & Rescue Institute (MFRI), the National Fire Academy (NFA), or the Federal Emergency Management Agency (FEMA).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Game and Simulation Development

Program website (<https://www.frederick.edu/programs/information-technology/game-and-simulation-development.aspx>)

**Program Manager:** James Hatch

**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)

**Phone:** 301.624.2769

- Game and Simulation Development A.A.S. (Career) (p. 116)
- Computer Animation Certificate (Career) (p. 117)
- Game Programming Certificate (Career) (p. 117)

## Game and Simulation Development A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/information-technology/game-and-simulation-development.aspx>)

**Program Manager:** James Hatch

**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)

**Phone:** 301.624.2769

## Program Description

Prepares graduates for a career in the interactive technology capacities, such as Multimedia Artist, Visual Effects Artist, Interactive Content Designer, Interactive Media Designer, Digital Animator, Graphic Designer, Modeling & Simulation Engineer, Simulation Application Developer, Web Developer, Game Designer, Game Developer, and Application Programmer. Game design and development skills covered include animation, graphics, 3D modeling and simulation, game engines, user interfaces, game scripting, and game programming. Students will also learn programming languages, such as Java, C++, C#, and Python.

## Program Learning Outcomes

- Obtain knowledge and skills with current programming languages.
- Design, implement, test, and debug computer game or simulation software using current technologies and tools.
- Design and develop computer animation using industry standard tools.
- Use appropriate techniques and resources to research game and simulation related issues as well as programming tools and technologies to engage lifelong technical learning.
- Integrate software design and project implementation into their roles as computer game or simulation designers/developers.
- Gain knowledge and skills in subject areas including practical game design, visual design, simulation design, game scripting, game programming, and project management.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer

institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>

- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 120	Statistics	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed Course List) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69), Humanities Elective (Gen Ed course list) (p. 70) or Communication Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
PHIL 208	Business Ethics	
PHIL 101	Introduction to Philosophy	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Interdisciplinary &amp; Emerging Issues</b>		
CMIS 106	Object Design and Programming	3
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
CMIS 175	Game Theory and Design	3
CMIS 176	Game Creation	3
CMIS 177	Interactive 3D Technology	3
CMIS 178	3D Modeling and Animation	3
CMIS 203	Systems Analysis Design	3
CMIS 225C	Computer Programming Language: Mobile Applet Programming	3
CMIS 226	Game Scripting	3
CMIS 227	Game Programming	4
CMIS 228	Simulation and Game Development	4
<b>Other Requirements</b>		
Select nine credits from the following list of approved electives		9
CADT 101	AutoCAD I	
Any CMIS or BMGT or MATH course(s)		
GRPH 111	Graphic Design I	
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Computer Animation Certificate (Career)

Program website (<https://www.frederick.edu/programs/information-technology/game-and-simulation-development.aspx>)

**Program Manager:** James Hatch  
**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)  
**Phone:** 301.624.2769

## Program Description

Introduces students to the current animation and modeling software, such as Blender, Autodesk 3ds Max, and Autodesk Maya. This certificate covers animation production, computer graphics, interactive 3D foundations, and 3D modeling & animation. Students will learn the skills necessary to work as a Digital Graphic Designer, Multimedia Designer, Digital Animator, or Character Rigger.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CMIS 106	Object Design and Programming	3
CMIS 175	Game Theory and Design	3
CMIS 176	Game Creation	3
CMIS 177	Interactive 3D Technology	3
CMIS 178	3D Modeling and Animation	3
Select one of the following:		3
CADT 101	AutoCAD I	
GRPH 111	Graphic Design I	
CMIS 101	Information Systems and Technology	
CMIS 140	Java Programming	
CMIS 208	C++ Programming	
CMIS 226	Game Scripting	
Total Credits		18

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Game Programming Certificate (Career)

Program website (<https://www.frederick.edu/programs/information-technology/game-and-simulation-development.aspx>)

**Program Manager:** James Hatch  
**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)  
**Phone:** 301.624.2769

## Program Description

Prepares students to develop interactive computer games on the Internet, mobile computers, and personal computers. This certificate targets students who wish to obtain the skills necessary to develop computer games using programming language, such as Java, C++, C#, and Python.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CMIS 106	Object Design and Programming	3
CMIS 226	Game Scripting	3
CMIS 227	Game Programming	4
CMIS 228	Simulation and Game Development	4
CMIS 208	C++ Programming	3
or CMIS 225C	Computer Programming Language: Mobile Applet Programming	
Total Credits		17

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## General Studies

Program website (<https://www.frederick.edu/programs/general-studies.aspx>)

**Program Manager:** Dr. Molly Carlson

**Email:** mcarlson@frederick.edu

**Phone:** 301.624.2879

- General Studies A.A. (Transfer) (p. 118)

## General Studies A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/general-studies/general-studies.aspx>)

**Program Manager:** Dr. Molly Carlson

**Email:** mcarlson@frederick.edu

**Phone:** 301.624.2879

## Program Description

Designed for students who are exploring academic and career options that are not represented by another Frederick Community College program or who are undecided about their educational goals. Students who have a specific career or educational goal should consult with an academic advisor to select a degree program other than General Studies.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place

of a 1-credit course. Students should check with an advisor before selecting this course.

- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Wellness Elective (Gen Ed course list) (p. 70) taken as the Gen Ed Elective above satisfies this requirement		
<b>Other Requirements</b>		
Open Electives <sup>1</sup>		29
ACCE 130	Career Assessment and Planning (recommended)	
ACCE 110H	Academic Engagement Seminar (recommended)	
HONR 201	Honors Applied Leadership Research (recommended)	
Total Credits		60

1

Students should check with an advisor or the transfer institution (ARTSYS) before selecting their electives.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Graphic Design

Program website (<https://www.frederick.edu/programs/arts-humanities/graphic-design.aspx>)

**Program Manager:** Jason Santelli

**Email:** jsantelli@frederick.edu

**Phone:** 301.846.2533

- Graphic Design A.A.S. (Career) (p. 118)
- Graphic Design Certificate (Career) (p. 119)

## Graphic Design A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/arts-humanities/graphic-design.aspx>)

**Program Manager:** Jason Santelli

**Email:** jsantelli@frederick.edu

Phone: 301.846.2533

## Program Description

Designed for students whose career goals are oriented toward design for mass media. Students will learn to produce design for publications, illustration, web, video, photography, public relations, and presentation communications. Students planning to earn a B.A. in Graphic Design should consult an advisor to ensure this is the most appropriate degree for meeting their transfer goals.

## Program Learning Outcomes

- Demonstrate proficiency in use of current industry standard software.
- Produce works of digital and interactive art in a variety of media.
- Demonstrate and appreciate the creative/problem solving process through research, development, and execution of digital media.
- Comprehend the responsibilities associated with professional behavior by participating in an internship.
- Enhance skills as critical thinkers, effective problem solvers, and effective ethical communicators who demonstrate professional behaviors consistent with industry standards.
- Demonstrate ability to plan, produce, and edit digital productions that reflect an awareness of current visual and interactive media standards appropriate for entry or intermediate level professional work.
- Demonstrate current digital media skills, procedures, and techniques in order to function successfully as entry-level employees in a professional production facility.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) <sup>1</sup>		3

<b>Arts &amp; Humanities</b>		
ARTT 101	Foundations of Studio Art I	3
COMM 111	Introduction to Mass Communication	3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>General Education Required Elective</b>		
ARTT 106	Drawing I	3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
ARTT 204	Illustration I	3
FILM 134	Digital Photography I	3
FILM 144	Digital Video Production	4
GRPH 111	Graphic Design I	3
GRPH 112	Graphic Design II	3
GRPH 114	Web Design I	3
GRPH 212	Graphic Design III	3
GRPH 214	Web Design II	3
GRPH 215	Professional and Transfer Portfolio	1
INTR 103	Internship	3
<b>Electives</b>		
Select nine credits of the following in consultation with an advisor: <sup>2</sup>		9
ARTT 102	Foundations of Studio Art II	
ARTT 103	The History of Art: Non-Western	
ARTT 104	The History of Art: Prehistoric to Early Renaissance	
ARTT 105	The History of Art: Renaissance to Modern	
CMIS 101	Information Systems and Technology <sup>3</sup>	
CMIS 177	Interactive 3D Technology <sup>3</sup>	
CMIS 178	3D Modeling and Animation <sup>3</sup>	
ENGL 241	Journalism Publication Practicum	
FILM 222	Television Studio Directing and Operations	
FILM 255	Advanced Postproduction Motion Graphics	
Total Credits		60

1

Cultural Competence course recommended.

2

Students should check with an advisor before selecting their electives.

3

Students interested in CMIS 178 should take CMIS 101 and CMIS 177 (CMIS 101 is a prerequisite for CMIS 177 and CMIS 177 is a prerequisite for CMIS 178).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Graphic Design Certificate (Career)

Program website (<https://www.frederick.edu/programs/arts-humanities/graphic-design.aspx>)

**Program Manager:** Jason Santelli

**Email:** [jsantelli@frederick.edu](mailto:jsantelli@frederick.edu)

**Phone:** 301.846.2533

## Program Description

Designed to provide the core skills needed to function in the fields of graphic communication, publishing, and Web based design. The challenging and rapidly changing world of visual communications requires creative problem-solving using a combination of tools and techniques. In hands-on classes, students solve design problems with instruction from active communications professionals, using hardware and software they will encounter in the workplace. College-level reading and writing is expected.

## Program Learning Outcomes

- Demonstrate proficiency in the use of current industry standard software.
- Research and produce an informed design and photography appropriate to client/assignment needs.
- Produce works of design and photography using a variety of media.
- Comprehend the responsibilities associated with professional behavior by participating in an internship.
- Produce well-crafted design and photography appropriate for entry or intermediate level professional work.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
COMM 111	Introduction to Mass Communication	3
GRPH 111	Graphic Design I	3
GRPH 112	Graphic Design II	3
GRPH 114	Web Design I	3
GRPH 212	Graphic Design III	3
GRPH 215	Professional and Transfer Portfolio	1
FILM 134	Digital Photography I	3
FILM 144	Digital Video Production	4
INTR 102	Internship	2
Total Credits		25

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Health Information Technology

**Program Advisor:** Jenny McAninley

**Email:** [jmcaninley@frederick.edu](mailto:jmcaninley@frederick.edu)

**Phone:** 240.629.7935

- Health Information Technology A.A.S. (Career) - Carroll Community College (p. 120)

## Health Information Technology A.A.S. (Career) - Carroll Community College Mid-Maryland Allied Healthcare Education Consortium

*The Health Information Technology program at Carroll Community College is being discontinued. No new students will be admitted to the program.*

## Honors College

Program website (<https://www.frederick.edu/programs/general-studies/honors-college.aspx>)

**Program Manager:** Dr. Bruce Thompson

**Email:** [bthompson@frederick.edu](mailto:bthompson@frederick.edu)

**Phone:** 301.846.2535

Honors is an academic enrichment program that can be incorporated into most transfer degree programs at FCC. All honors learning is designed to go deeper, broader, or more complex, and the program strives to develop emerging scholars and leaders. Students who graduate from the Honors College, complete an honors independent study project, present at a conference, or earn service or leadership certificates gain a competitive advantage when applying for admission to selective four-year colleges and transfer scholarships.

## Eligibility

Students automatically qualify for the Honors College with the following test scores: SAT = 1100 overall (out of 1600) with at least 550 on verbal, or ACT = Reading 23+, or FCC placement exams = Honors level reading (268) and proficient college level writing. Applicants with strong academic records (3.500 GPA) or faculty recommendations are encouraged to apply. We also offer an Open Campus membership for high school or home school students with a 3.5 GPA or higher. Students who started college poorly but whose recent work is honors caliber can apply to the honors coordinator for an exception. To apply, complete the Honors College application, available in the Honors Office (H 245) and at [www.frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>), and submit as directed.

## Honors Advising

Students meet with an honors advisor to select a goal and develop an honors plan to achieve your goal. Check-in with an honors advisor each semester to update your plan. The Honors College also offers ACCE 110H Academic Engagement Seminar as a first-year experience course to help students make the transition to college and honors learning. Second-year honors peer mentors are embedded in the course as another source of help. Any student whose GPA drops below 3.000 or violates FCC policy will no longer be in good standing with the Honors program.

## Academic Opportunities

Your academic opportunities begin with Honors courses, which are designated with an "H" in the schedule. Because honors courses have the same core learning outcomes and content requirements as regular courses they are easily transferable. Honors courses are smaller (limit 15) and often operate as seminars with heavy class discussion. Some courses are linked so the same cohort of students is together in two classes that share blocks of time.

With permission of the instructor and the honors coordinator, Honors Contracts can be arranged for courses not in the schedule (e.g., MATH 185 Calculus I). Contact the honors coordinator to request an Honors Contract application.

Students can conduct scholarly research or produce creative works through Honors Independent Study projects under the supervision of a faculty mentor. Students share their work with the campus community at the Honors Forum and are encouraged to present at student conferences. Each year one student may be nominated to compete for the Portz Award for Outstanding Honors Student at Two-Year Colleges, which is sponsored by the Maryland Collegiate Honors Council.

## Engagement

We encourage students to engage in learning both inside and outside the classroom. To promote learning outside the classroom, all honors courses require students to attend co-curricular events. The Honors College also sponsors a variety of student organized activities each year, and the Center for Student Engagement at FCC offers even more engagement opportunities. With 25 service hours in two projects and a reflection paper, students can earn a service certificate. Leadership opportunities are available through the Honors Student Association, Phi Theta Kappa, and Honors College internships. Student leaders can also complete workshops and earn a leadership certificate.

## Benefits

Besides honing your academic skills through active learning, some other benefits of participating in the Honors College are:

- use of the Honors Lounge (H-247);
- eligibility for honors internships and scholarships;
- conference presentation opportunities;
- student recognitions for excellence (Anne Slater Award for Honors Excellence, MCHC Portz Award for Outstanding Honors Student, All-USA Academic Team);
- transfer and scholarship benefits with four-year honors partners;
- automatic admission to even more four-year colleges; and
- enhanced resumes when applying for selective admission program at four-year colleges as well as scholarships.

## Graduation

Students who complete 12 honors credits with an overall grade point average (GPA) of 3.250 or higher are eligible to graduate from the Honors College. Graduates receive a notation on their transcripts recognizing this achievement. Further, at the graduation ceremony they wear an Honors College medallion and stand to be recognized. The transcript notation and color of the medallion are based on the student's grade point average at the time of graduation:

GPA	Transcript Notation	Medallion
3.250–3.490	Honors College	Bronze
3.500–3.749	Honors College – Honors	Silver
3.750–4.000	Honors College – High Honors	Gold

## Contact

To learn more about how the Honors College can help you reach your goals, contact the Honors Coordinator, Dr. Bruce Thompson, in H-244 or at [bthompson@frederick.edu](mailto:bthompson@frederick.edu) or 301.846.2535.

## Hospitality, Culinary and Tourism Institute

Program website (<https://www.frederick.edu/programs/hospitality-culinary-tourism.aspx>)

**Program Manager:** Elizabeth DeRose  
**Email:** [ederose@frederick.edu](mailto:ederose@frederick.edu)  
**Phone:** 301.846.2404

- Culinary Arts and Supervision A.A.S. (Career) (p. 121)
- Culinary Skills Certificate (Career) (p. 122)
- Culinary Skills Letter of Recognition (Career) (p. 123)
- Hospitality Management A.A.S (Career) (p. 123)
- Hospitality Management Certificate (Career) (p. 124)
- Hospitality Skills Letter of Recognition (Career) (p. 124)

## Culinary Arts and Supervision A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/hospitality-culinary-tourism/culinary-arts-and-supervision.aspx>)

**Program Manager:** Elizabeth DeRose  
**Email:** [ederose@frederick.edu](mailto:ederose@frederick.edu)  
**Phone:** 301.846.2404

## Program Description

*Program accredited by the American Culinary Federation, meeting nationally recognized educational standards of excellence and competencies.*

Prepares students to assume positions as trained culinary professionals in a variety of settings including restaurants, hotels, resorts, clubs, catering, contract food service, health care facilities, and more. The course offerings emphasize the professional competencies necessary to meet industry standards. Students will complete a 240-hour practicum (internship) experience. Students earn several industry certifications such as ServSafe Food Manager<sup>®</sup> and Certified Guest Service Professional<sup>®</sup>, among others. Upon Completion of the program, students are immediately eligible to apply for Certified Culinarian<sup>®</sup> or Certified Pastry Culinarian<sup>®</sup> with the American Culinary Federation. Graduates should qualify for entry level positions such as lead line cook, station chef, assistant pastry chef, kitchen receiver/assistant kitchen manager, or catering associate. With experience, graduates may advance to positions such as sous chef, banquet chef, executive sous chef, executive chef, kitchen manager, food and beverage manager, or catering or banquet manager.

## Program Learning Outcomes

- Produce multiple food products in a timely manner while demonstrating proficiency in both professional cooking and baking techniques.

- Calculate and/or adjust recipe yields, ingredient and recipe costs, and menu cost using at least two different pricing methods, considering fixed and labor costs.
- Analyze the nutritional composition of a recipe and be able to modify and prepare dishes meeting recognized nutritional guidelines.
- Pass the NRAEF Food Protection Managers ServSafe™ examination and demonstrate industry standards in sanitation, safety, and personal hygiene.
- Recognize ingredients from and perform cooking techniques associated with different regional, ethnic and international cuisines.
- Exhibit interpersonal skills and respect in the treatment of colleagues and patrons.
- Exhibit knowledge of traditional management theory, leadership and supervisory roles in the hospitality.
- Demonstrate food production and customer service skills in both kitchen and dining room.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		
MATH 101	Foundations of Mathematics	3
<b>Social &amp; Behavioral Sciences</b>		
ECON 200	Principles of Macroeconomics (satisfies Cultural Competence requirement)	3
<b>Arts &amp; Humanities</b>		
Arts & Humanities Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		
COMM 107	Career Communication	3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		
BSCI 107	Study of the Human Body	3
<b>Interdisciplinary &amp; Emergency Issues</b>		
NUTR 102	Nutrition in a Changing World	3
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		

### Physical Education, Health, or Nutrition Requirement

NUTR 102	Nutrition in a Changing World (will satisfy this requirement)	
<b>Departmental Requirements</b>		
HCTI 101	Sanitation and Food Safety	2
HCTI 102	Culinary I	4
HCTI 103	Culinary II	4
HCTI 104	Baking I	4
HCTI 120	Purchasing Cost Control	3
HCTI 150	Introduction to Hospitality Management	3
HCTI 155	Event Management	3
HCTI 200	Garde Manger	4
HCTI 220	Food and Beverage Operations	3
HCTI 225	International and American Regional Cuisine (satisfies Cultural Competence requirement)	4
HCTI 230	Restaurant Production and Service	4
HCTI 265	HCTI Practicum	1
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Culinary Skills Certificate (Career)

Program website (<https://www.frederick.edu/programs/hospitality-culinary-tourism/culinary-arts-and-supervision.aspx>)

**Program Manager:** Elizabeth DeRose

**Email:** [ederose@frederick.edu](mailto:ederose@frederick.edu)

**Phone:** 301.846.2404

## Program Description

*Program accredited by the American Culinary Federation, meeting nationally recognized educational standards of excellence and competencies.*

Designed to prepare students for entry-level cooking jobs in hotels, restaurants, supermarkets, country clubs, caterers, cafes and institutional kitchens. Basic hot and cold food preparation, production, presentation, and service skills are taught. Development of proper work habits, professionalism, and the practice of food safety and sanitation procedures are stressed. Students will complete a 240-hour practicum (internship) experience. Students will earn several industry certifications such as Serv Safe Food Manager® and Certified Guest Service Professional®, among others.

## Program Learning Outcomes

- Produce multiple food products in a timely manner while demonstrating proficiency in both professional cooking and baking techniques.
- Pass the NRAEF Food Protection Managers ServSafe™ examination and demonstrate industry standards in sanitation, safety, and personal hygiene.
- Recognize ingredients from and perform cooking techniques associated with different regional, ethnic and international cuisines.
- Exhibit interpersonal skills and respect in the treatment of colleagues and patrons.

- Demonstrate food production and customer service skills in both kitchen and dining room.

Phone: 301.846.2404

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
HCTI 101	Sanitation and Food Safety	2
HCTI 102	Culinary I	4
HCTI 103	Culinary II	4
HCTI 104	Baking I	4
HCTI 120	Purchasing Cost Control	3
HCTI 150	Introduction to Hospitality Management	3
HCTI 155	Event Management	3
HCTI 200	Garde Manger	4
HCTI 220	Food and Beverage Operations	3
HCTI 225	International and American Regional Cuisine	4
HCTI 230	Restaurant Production and Service	4
HCTI 265	HCTI Practicum	1
Total Credits		39

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Culinary Skills Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/hospitality-culinary-tourism/culinary-arts-and-supervision.aspx>)

**Program Manager:** Elizabeth DeRose  
**Email:** [ederose@frederick.edu](mailto:ederose@frederick.edu)  
**Phone:** 301.846.2404

## Program Description

Prepares students for entry-level front-line employment in the food service sector. Students will earn certifications such as Serv Safe Food Manager® and Certified Guest Service Professional®.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
HCTI 101	Sanitation and Food Safety	2
HCTI 102	Culinary I	4
HCTI 104	Baking I	4
HCTI 150	Introduction to Hospitality Management	3
Total Credits		13

## Hospitality Management A.A.S (Career)

Program website (<https://www.frederick.edu/programs/hospitality-culinary-tourism/hospitality-management.aspx>)

**Program Manager:** Elizabeth DeRose  
**Email:** [ederose@frederick.edu](mailto:ederose@frederick.edu)

## Program Description

Prepares students as trained hospitality professionals in a variety of hospitality sectors including hotels, resorts, clubs, restaurants, convention centers, and tourism related businesses. With input from current hiring hospitality leaders, the program is designed to ensure that students will learn the practical skills needed to excel in the hospitality industry in areas such as tourism, lodging, food and beverage, and event planning. Students will apply what they learn through capstone projects and experience in an internship. The course offerings emphasize the professional competencies necessary to meet industry standards. Graduates should qualify for entry-level positions in the hospitality sector and, with experience, advance to managerial positions or continue on to four year academic programs. Students will complete a 240-hour practicum (internship) experience. Students will earn several industry certifications such as ServSafe Food Manager® and Certified Guest Service Professional®, among others. With additional experience, graduates may be eligible to apply for certification as a Certified Hospitality Supervisor® (CHS®) from AHLEI.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 101	Foundations of Mathematics	
<b>Social &amp; Behavioral Sciences</b>		
ECON 200	Principles of Macroeconomics (satisfies Cultural Competence requirement)	3
<b>Arts &amp; Humanities</b>		
Arts & Humanities Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
COMM 107	Career Communication	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
BSCI 107	Study of the Human Body	
<b>Interdisciplinary &amp; Emerging Issues</b>		

NUTR 102	Nutrition in a Changing World	3
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
NUTR 102	Nutrition in a Changing World (satisfies this requirement)	
<b>Departmental Requirements</b>		
BMGT 103	Introduction to Business	3
BMGT 225	Marketing	3
BMGT 227	Principles of Management	3
CMIS 101	Information Systems and Technology	3
HCTI 101	Sanitation and Food Safety	2
HCTI 150	Introduction to Hospitality Management	3
HCTI 155	Event Management	3
HCTI 160	Hospitality Operations	3
HCTI 170	Introduction to the Tourism Industry	3
HCTI 220	Food and Beverage Operations	3
HCTI 230	Restaurant Production and Service	4
HCTI 255	Applied Hospitality Management	3
HCTI 265	HCTI Practicum	1
Elective		2
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Hospitality Management Certificate (Career)

Program website (<https://www.frederick.edu/programs/hospitality-culinary-tourism/hospitality-management.aspx>)

**Program Manager:** Elizabeth DeRose

**Email:** [ederose@frederick.edu](mailto:ederose@frederick.edu)

**Phone:** 301.846.2404

## Program Description

Prepares students for entry-level positions in the hospitality industry. Courses teach knowledge and marketable skills in the area of guest services, hospitality operations, budget and cost controls, management, marketing and human resources. Students will complete a 240-hour practicum (internship) experience. Students will earn several industry certifications such as Serv Safe Food Manager<sup>®</sup> and Certified Guest Service Professional<sup>®</sup>, among others.

## Program Learning Outcomes

- Calculate and/or adjust recipe yields, ingredient and recipe costs, and menu cost using at least two different pricing methods, considering fixed and labor costs.
- Analyze the nutritional composition of a recipe and be able to modify and prepare dishes meeting recognized nutritional guidelines.
- Pass the NRAEF Food Protection Managers ServSafe™ examination and demonstrate industry standards in sanitation, safety, and personal hygiene.
- Exhibit interpersonal skills and respect in the treatment of colleagues and patrons.

- Exhibit knowledge of traditional management theory, leadership and supervisory roles in hospitality.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BMGT 103	Introduction to Business	3
BMGT 225	Marketing	3
BMGT 227	Principles of Management	3
HCTI 101	Sanitation and Food Safety	2
HCTI 150	Introduction to Hospitality Management	3
HCTI 155	Event Management	3
HCTI 160	Hospitality Operations	3
HCTI 170	Introduction to the Tourism Industry	3
HCTI 220	Food and Beverage Operations	3
HCTI 230	Restaurant Production and Service	4
HCTI 255	Applied Hospitality Management	3
HCTI 265	HCTI Practicum	1
Total Credits		34

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Hospitality Skills Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/hospitality-culinary-tourism/hospitality-management.aspx>)

**Program Manager:** Elizabeth DeRose

**Email:** [ederose@frederick.edu](mailto:ederose@frederick.edu)

**Phone:** 301.846.2404

## Program Description

Prepares students for entry-level front-line employment in the hospitality sector. Students will earn certifications such as Serv Safe Food Manager<sup>®</sup> and Certified Guest Service Professional<sup>®</sup>.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
HCTI 101	Sanitation and Food Safety	2
HCTI 150	Introduction to Hospitality Management	3
HCTI 155	Event Management	3
HCTI 160	Hospitality Operations	3
Total Credits		11

## Medical Assistant

Program website (<https://www.frederick.edu/programs/healthcare/medical-assistant.aspx>)

**Program Manager:** Michele Tertel

**Email:** [mtertel@frederick.edu](mailto:mtertel@frederick.edu)

**Phone:** 301.624.2845

- Medical Assistant A.A.S. (Career) (p. 125)
- Medical Assistant Certificate (Career) (p. 125)
- Healthcare Practice Management Certificate (Career) (p. 126)
- Medical Scribe Letter of Recognition (Career) (p. 126)

## Medical Assistant A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/healthcare/medical-assistant.aspx>)

**Program Manager:** Michele Tertel  
**Email:** [mtertel@frederick.edu](mailto:mtertel@frederick.edu)  
**Phone:** 301.624.2845

### Program Description

Designed to prepare students for work as entry-level assistants who perform administrative and clinical procedures in ambulatory settings such as physicians' offices, clinics, and group practices. Admission is restricted to students who have maintained a "C" or better in all prerequisite courses. Students must maintain a grade of "C" or better in all courses (excluding General Education courses) to graduate from the program.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 101	Foundations of Mathematics (or higher)	3
Select MATH 101 or higher from the Mathematics Elective (Gen Ed course list) (p. 71)		
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed Course List) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Communication Elective (Gen Ed Course List) (p. 69) - Recommended course(s) below:		3
COMM 105	Small Group Communication	
COMM 107	Career Communication	
<b>Biological &amp; Physical Sciences</b>		
Select one of the following courses:		3

BSCI 107	Study of the Human Body	
BSCI 117	Human Biology	
BSCI 201	Anatomy and Physiology I	
BSCI 202	Anatomy and Physiology II	
<b>Interdisciplinary &amp; Emergency Issues</b>		
NUTR 102	Nutrition in a Changing World	3
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
NUTR 102 satisfies this requirement		
<b>Departmental Requirements</b>		
BMGT 120	Business Communications	3
MEDA 109	Medical Terminology	3
MEDA 110	Computer Medical Office Management	3
MEDA 112	Medical Office Procedures	3
MEDA 115	Medical Laboratory Procedures	3
MEDA 117	Foundations of Medical Assisting I	3
MEDA 120	Pharmacology for Medical Office Practice	3
MEDA 122	Foundations of Medical Assisting II	3
MEDA 201	Practical Skills for Medical Assisting	3
MEDA 203	Diagnostic and Procedural Medical Coding	3
MEDA 204	Medical Assisting Practicum	3
MEDA 218	Health Insurance Billing and Reimbursement	3
MEDA 222	Federal Healthcare Programs and Laws	3
Total Credits		60

### Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Medical Assistant Certificate (Career)

Program website (<https://www.frederick.edu/programs/healthcare/medical-assistant.aspx>)

**Program Manager:** Michele Tertel  
**Email:** [mtertel@frederick.edu](mailto:mtertel@frederick.edu)  
**Phone:** 301.624.2845

### Program Description

Prepares students in administrative and clinical medical procedures and provides a foundation in the principles and practices of asepsis, initial patient contact, patient care responsibilities, and patient education. Clinical duties include collecting and performing various laboratory tests, administering medications, and performing diagnostic procedures such as EKGs. Courses in medical software applications and medical administrative and clinical internships are included in this certificate. Students are engaged in classroom, hands-on and clinical learning environments. Students must maintain a grade of "C" or better in all MEDA courses. Graduates will be qualified to take the national certification examination in medical assisting offered by the National Center for Competency Testing (NCCT).

Prospective students must apply for admission to the college through the Welcome Desk, complete all placement tests through the Testing Center, send official transcripts (if applicable) to the registrar, and arrange for an advising appointment with the Medical Assistant Program Manager.

Courses in this program can be used to meet the elective requirements of the A.A. degree in general studies.

## Program Learning Outcomes

- To produce graduates eligible to take and pass nationally recognized certification examination.
- To facilitate and foster the values necessary to practice medical assisting skills within the ethical and legal framework of the profession and the community.
- To produce students who exhibit professional behavior consistent with current academic and professional standards.
- To help students acquire and strengthen problem solving and critical thinking skills.
- To assist students in performing all necessary duties in a safe environment utilizing all the latest techniques in physician offices, including hazardous materials.
- To develop positive student attitudes for the pursuit of lifelong professional growth and development.
- To develop and maintain educational partnerships with business, labor, and public sector agencies.
- To promote a student-centered learning environment where students know faculty and staff are accessible and supportive of their individual needs.

## Program Requirements

Substantial revisions to the Medical Assistant certificate program are pending MHEC approval.

Code	Title	Credits
<b>Departmental Requirements</b>		
MATH 101	Foundations of Mathematics (or higher)	3
Select MATH 101 or higher from the Mathematics Elective (Gen Ed course list) (p. 71)		
Select one of the following courses:		
BSCI 107	Study of the Human Body	3
BSCI 117	Human Biology	3
BSCI 201	Anatomy and Physiology I	3
BSCI 202	Anatomy and Physiology II	3
BMGT 120	Business Communications	3
MEDA 109	Medical Terminology	3
MEDA 110	Computer Medical Office Management	3
MEDA 112	Medical Office Procedures	3
MEDA 115	Medical Laboratory Procedures	3
MEDA 117	Foundations of Medical Assisting I	3
MEDA 120	Pharmacology for Medical Office Practice	3
MEDA 122	Foundations of Medical Assisting II	3
MEDA 201	Practical Skills for Medical Assisting	3
MEDA 203	Diagnostic and Procedural Medical Coding	3
MEDA 204	Medical Assisting Practicum	3
Total Credits		39

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Healthcare Practice Management Certificate (Career)

Program website (<https://www.frederick.edu/programs/healthcare/medical-assistant.aspx>)

**Program Manager:** Dr. Karen A. Wilson

**Email:** kawilson@frederick.edu

**Phone:** 301.624.2848

## Program Description

Prepares students for work as a medical practice manager. Students must receive a "C" or better in all MEDA courses.

## Program Learning Outcome

- Demonstrate competence discovering, applying, and thinking critically about basic business, accounting, and computing concepts and trends.
- Identify and analyze ethical issues in business.
- Communicate effectively using multiple communication methods (oral, written, graphic, and electronic).
- Apply computing technologies to solve business problems.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
BMGT 120	Business Communications	3
CMIS 101	Information Systems and Technology	3
MEDA 109	Medical Terminology	3
MEDA 110	Computer Medical Office Management	3
MEDA 112	Medical Office Procedures	3
MEDA 203	Diagnostic and Procedural Medical Coding	3
MEDA 218	Health Insurance Billing and Reimbursement	3
Elective	Any MEDA, BMGT, ACCT, or CMIS course	3
Total Credits		24

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Medical Scribe Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/healthcare/medical-assistant.aspx>)

**Program Manager:** Michele Tertel

**Email:** mtertel@frederick.edu

**Phone:** 301.624.2845

## Program Description

Introduces students to medical information management. The medical scribe specializes in charting physician-patient encounters in real-

time during medical exams in a clinic, physician office, urgent care or emergency room.

Students must receive a "C" or better in all MEDA courses.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
MEDA 109	Medical Terminology	3
MEDA 110	Computer Medical Office Management	3
MEDA 112	Medical Office Procedures	3
Total Credits		9

## Nursing

Program website (<https://www.frederick.edu/programs/healthcare/nursing.aspx>)

**Program Manager:** Kyla Newbould

**Email:** [knewbould@frederick.edu](mailto:knewbould@frederick.edu)

**Phone:** 301.846.2607

- Nursing A.S. (Career) (p. 127)
- Practical Nursing Certificate (Career) (p. 128)
- RN to BSN (p. 128)
- Transition-to-RN (p. 129)

## Nursing A.S. (Career)

Program website (<https://www.frederick.edu/programs/healthcare/nursing.aspx>)

**Program Manager:** Kyla Newbould

**Email:** [knewbould@frederick.edu](mailto:knewbould@frederick.edu)

**Phone:** 301.846.2607

## Program Description

The program is approved by:

Maryland Board of Nursing  
4140 Patterson Avenue  
Baltimore Maryland, 21215  
410.585.1900

The program is accredited by:

Accreditation Commission for Education in Nursing  
3343 Peachtree Rd. NE, Suite 850  
Atlanta, GA 30326  
404.975.5000

Upon successful completion of the curriculum, the graduate is eligible to take the examination for registered nurse licensure.

Graduates are prepared to give competent, safe nursing care to clients in hospitals, nursing homes and other comparable health agencies under the supervision of more experienced practitioners, and with experience and further preparation, should be able to assume increasing responsibility in nursing. High school preparation for the nursing program should include algebra, advanced biology, chemistry and data processing. Enrollment in the nursing program is limited by the availability of clinical facilities.

Admission to the program is competitive and, generally, priority is given to residents of Frederick County. Applications for admission to the nursing program should be completed by February 1 for the day option (fall admission) or September 15 for the evening/weekend option (spring admission). This includes applying for admission to the college through the Welcome Desk, completion of placement tests and arranging an interview with the allied health advisor. Visit [frederick.edu/nursing/](http://frederick.edu/nursing/) (<http://frederick.edu/nursing/>) for more information on the selective admissions process.

The associate degree nursing program is seldom completed in fewer than three years by full-time students. Because of prerequisite courses and the demands of clinical experiences and family responsibilities, most students will be enrolled in the program for four years. Students who drop out for any reason may be readmitted on a space available basis and should contact the director of nursing education as soon as possible.

Information about tuition, fees and completion time may be obtained from the Welcome Desk or the allied health advisor. Conviction of a felony or misdemeanor may prohibit students from taking the nursing licensure exam. Please see the director of nursing education prior to enrolling as a nursing major to discuss options. Students are required to obtain criminal background checks before starting clinical coursework.

A grade of "C" or better must be earned in all courses in the nursing program.

If the student's knowledge of biological and chemical principles is deficient, BSCI 55 Preparation for Allied Health will be required.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 120	Statistics (or higher MATH course) <sup>1</sup>	3
Select MATH 120 or higher from the Mathematics Elective (Gen Ed course list) (p. 71)		
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
SOCY 101	Introduction to Sociology	3

EDPS 210	Human Growth and Development	3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69) (COMM required)		3
<b>Biological &amp; Physical Sciences</b>		
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
BSCI 223	Microbiology for Allied Health	4
or BSCI 263	Elements of Microbiology	
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course - Recommended course(s) below:		1
NUTR 102	Nutrition in a Changing World	
NUTR 200	Principles and Application of Nutrition <sup>2</sup>	
<b>Departmental Requirements</b>		
NURS 101	Introduction to Clinical Nursing (satisfies cultural competence requirement)	6
NURS 105	Pharmacology for Nurses	2
NURS 211	Medical-Surgical Nursing I	7
NURS 212	Medical-Surgical Nursing II	4
NURS 231	Medical-Surgical Nursing III	4
NURS 214	Psychiatric/Mental Health Nursing	3
NURS 261	Preparation for Practice	2
NURS 218	Maternal, Child, and Family Nursing	5
Total Credits		70

1

Check with an advisor or transfer institutions before selecting a math elective.

2

**Note:** One PHED, HLTH or NUTR course is required to earn the Associate Degree in Nursing. NUTR 102 Nutrition in a Changing World or NUTR 200 Principles and Application of Nutrition is recommended to fulfill this requirement for students interested in FCC's dual-admission Associate-to-Bachelor's partnerships, or who intend to apply to an RN-to-BSN or BSN program.

*All degree-seeking students must complete a Cultural Competency course in order to graduate. NURS 101 Introduction to Clinical Nursing satisfies this requirement.*

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Practical Nursing Certificate (Career)

Program website (<https://www.frederick.edu/programs/healthcare/nursing.aspx>)

**Program Manager:** Kyla Newbould  
**Email:** [knewbould@frederick.edu](mailto:knewbould@frederick.edu)  
**Phone:** 301.846.2607

## Program Description

The Practical Nursing (PN) certificate requires 48 credit hours and is approved by the Maryland Board of Nursing. Upon successful completion of the curriculum, the graduate is eligible to take the PN licensure exam. Graduates are prepared to give competent, safe nursing care to clients in

a variety of settings. The licensed practical nurse (LPN) works in a team relationship with the registered nurse or physician in providing care based on knowledge, judgment, and skill and on principles of the biological, physiological, behavioral, and sociological sciences. The clinical portion of the practical nursing curriculum is completed in one year but because of prerequisite courses, demands of clinical experiences, and personal responsibilities, the entire curriculum will take at least two years.

A grade of "C" or better must be earned in all courses in the practical nursing program.

## Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 120	Statistics (or higher MATH course)	3
Select MATH 120 or higher from the Mathematics Elective (Gen Ed course list) (p. 71)		
<b>Social &amp; Behavioral Sciences</b>		
EDPS 210	Human Growth and Development	3
<b>Biological &amp; Physical Sciences</b>		
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
BSCI 223	Microbiology for Allied Health	4
<b>Departmental Requirements</b>		
NURS 101	Introduction to Clinical Nursing	6
NURS 105	Pharmacology for Nurses	2
NURS 211	Medical-Surgical Nursing I	7
NURS 214	Psychiatric/Mental Health Nursing	3
NLPN 112	Nursing Across the Lifespan (Summer)	8
NLPN 113	Issues in Practical Nursing (Summer)	1
Total Credits		48

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## RN to BSN

Program website (<https://www.frederick.edu/programs/healthcare/nursing.aspx>)

## RN to BSN

Frederick Community College participates in the Maryland Articulation Model that was revised in fall 2003. A maximum of 70 non-nursing credits will be accepted. Transfer of nursing credits will not be necessary as 30 upper division nursing credits will awarded by the baccalaureate institution based on a valid unencumbered Maryland nursing license.

## ATB Dual Admission RN-to-BSN Option

The ATB/dual-admission option is a selective, dual degree admission option that requires application to the FCC's Associate of Science Nursing Program and a separate application to an ATB university partner. The ATB Option provides an opportunity to begin coursework for the B.S. degree at one of three participating universities – Frostburg State University, Towson University, or the University of Maryland School of Nursing – while enrolled in the FCC A.S. Degree Nursing Program. This

reduces time for completion of the B.S. degree to approximately two to three additional terms following completion of the A.S. degree.

## Transition-to-RN

Program website (<https://www.frederick.edu/programs/healthcare/nursing.aspx>)

**Please note: No new students currently being admitted to the Transition-to-RN program in fall 2021.**

*Transition-to-RN students who successfully complete all Transition-to-RN degree requirements earn the Nursing A.S.*

Transition courses (Transition-to-RN) have been developed to allow an LPN, Paramedic or Veteran (Army Medic, Air Force Medical Technician, Navy Corpsman) to complete the ADN program in a shorter amount of time. The LPN, Paramedic or Veteran must first complete all general education requirements of the ADN program. Admission to this program is competitive and is based on the same point system for the ADN program. Visit [frederick.edu/nursing/](http://frederick.edu/nursing/) (<http://frederick.edu/nursing/>) for details.

See Health Sciences advisor for further information.

## Paralegal

Program website (<https://www.frederick.edu/programs/business/paralegal.aspx>)

**Program Manager:** Dr. Tracy Parker  
**Email:** [tparker@frederick.edu](mailto:tparker@frederick.edu)  
**Phone:** 301.624.2819

- Paralegal A.A.S. (Career) (p. 129)
- Paralegal Certificate (Career) (p. 130)
- Access to Justice Letter of Recognition (Career) (p. 130)

## Paralegal A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/business/paralegal.aspx>)

**Program Manager:** Dr. Tracy Parker  
**Email:** [tparker@frederick.edu](mailto:tparker@frederick.edu)  
**Phone:** 301.624.2819

## Program Description

Provides students interested in the paralegal profession or pre-law with specialized legal training to enable them to: understand ethical obligations and professionalism; gather and analyze facts relevant to legal disputes; perform legal research; draft legal documents; prepare witnesses and evidence for presentation at legal proceedings. The paralegal may not practice law and so must work under the direction of an attorney who is licensed to practice.

## Program Learning Outcomes

- Apply basic legal concepts and fundamental principles of law for varied legal tasks.
- Recognize a legal dispute, gather facts, and perform legal analysis for varied legal matters.

- Conduct client interviews and prepare witnesses and evidence for presentation at legal proceedings.
- Perform legal research and utilize techniques of legal writing in the preparation of legal documents.
- Demonstrate conduct consistent with the ethical obligations of the legal profession to avoid ethical violations.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
	Mathematics Elective (Gen Ed course list) (p. 71)	3
<b>Social &amp; Behavioral Sciences</b>		
	Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)	3
<b>Arts &amp; Humanities</b>		
	Arts & Humanities Elective (Gen Ed course list) (p. 69)	3
<b>Biological &amp; Physical Sciences</b>		
	Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
<b>Interdisciplinary &amp; Emergency Issues</b>		
	Wellness Elective (Gen Ed course list) (p. 70)	3
<b>General Education Electives</b>		
	General Education Elective (Gen Ed course list) (p. 69)	3
	General Education Elective (Gen Ed course list) (p. 69)	3
<b>Physical Education, Health, or Nutrition Requirement</b>		
	Wellness elective above satisfies this requirement	
<b>Departmental Requirements</b>		
LGST 100	Introduction to Law (satisfies Cultural Competence requirement)	3
LGST 103	Ethics for the Legal Professional	3
LGST 104	Contracts	3
LGST 105	Torts	3
LGST 106	Technology for the Legal Profession	3
LGST 200	Legal Research	3
LGST 205	Legal Writing	3
LGST 220	Civil Litigation	3
LGST 240	Family Law	3
	or INTR 103 Internship	
<b>Electives</b>		

Select 3 of the following:	9
LGST 150	Access to Justice Practicum I
LGST 210	Estates and Probate
LGST 230	Real Estate
CCJS 201	Criminal Law
CCJS 220	Criminal Evidence Procedure
BMGT 211	Business Law
Total Credits	60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Paralegal Certificate (Career)

Program website (<https://www.frederick.edu/programs/business/paralegal.aspx>)

**Program Manager:** Dr. Tracy Parker

**Email:** [tparker@frederick.edu](mailto:tparker@frederick.edu)

**Phone:** 301.624.2819

## Program Description

Designed for individuals already working in the field as a paralegal who wish to acquire a college credential. Also provides specialized legal training to individuals who may already have a degree in another field or to individuals interested in pre-law.

## Program Learning Outcomes

- Apply basic legal concepts and fundamental principles of law for varied legal tasks.
- Recognize a legal dispute, gather facts, and perform legal analysis for varied legal matters.
- Conduct client interviews and prepare witnesses and evidence for presentation at legal proceedings.
- Perform legal research and utilize techniques of legal writing in the preparation of legal documents.
- Demonstrate conduct consistent with the ethical obligations of the legal profession to avoid ethical violations.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ENGL 101	English Composition <sup>1</sup>	3
LGST 100	Introduction to Law	3
LGST 103	Ethics for the Legal Professional	3
LGST 104	Contracts	3
LGST 105	Torts	3
LGST 106	Technology for the Legal Profession	3
LGST 200	Legal Research	3
LGST 205	Legal Writing	3
LGST 220	Civil Litigation	3
Select one of the following:		3
LGST 150	Access to Justice Practicum I	
LGST 210	Estates and Probate	
LGST 230	Real Estate	
LGST 240	Family Law	

CCJS 201	Criminal Law
CCJS 220	Criminal Evidence Procedure
BMGT 211	Business Law
INTR 103	Internship
Total Credits	30

1

Students must earn a grade of "C" or better in ENGL 101 English Composition.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Access to Justice Letter of Recognition (Career)

Program website (<https://www.frederick.edu/programs/business/paralegal.aspx>)

**Program Manager:** Dr. Tracy Parker

**Email:** [tparker@frederick.edu](mailto:tparker@frederick.edu)

**Phone:** 301.624.2819

## Program Description

Develops paralegals qualified to perform legal services under supervision to assist self-help center, private pro bono, or limited scope attorneys. Promotes access to justice to low- and moderate-income people in crisis. Offers specialized training that incorporates field placement to connect trained paralegals with legal professionals offering no cost/low cost services.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
LGST 100	Introduction to Law	3
LGST 103	Ethics for the Legal Professional	3
LGST 150	Access to Justice Practicum I	4
Total Credits		10

## Physical Therapist Assistant

**Program Advisor:** Jenny McAninley

**Email:** [jmcaninley@frederick.edu](mailto:jmcaninley@frederick.edu)

**Phone:** 240.629.7935

- Physical Therapist Assistant A.A.S. (Career) - Carroll Community College (p. 131)

***A Physical Therapist Assistant A.A.S. degree will soon be offered by Frederick Community College. For admission requirements, please refer to the Special Programs of Study (p. 30) section of the catalog. For additional program information, please visit frederick.edu (<https://frederick.edu/degrees-certificates/physical-therapist-assistant.aspx>).***

# Physical Therapist Assistant A.A.S. (Career) - Carroll Community College

## Mid-Maryland Allied Healthcare Education Consortium

**Program Advisor:** Jenny McAninley  
**Email:** [jmcaninley@frederick.edu](mailto:jmcaninley@frederick.edu)  
**Phone:** 240.629.7935

### Program Description

The Physical Therapist Assistant is a skilled technical health care provider who works within a physical therapy service supervised by a physical therapist. With the direction and supervision of a physical therapist, the physical therapist assistant performs selected physical therapy procedures and related tasks. The extent to which the physical therapist assistant will participate in the following activities will be dependent upon the employment setting and individual patient: functioning as a participating team member who contributes to total patient care; performing selected treatment procedures in accordance with planned programs; assisting the physical therapist in carrying out complex procedures and programs; and observing, recording and reporting to the supervisor conditions, reactions and responses related to assigned duties.

A minimum grade of C is required in all pre-clinical courses. Admission to the program is required before taking PTA courses. See the Carroll Community College catalog for the program admission requirements. Students intending to pursue bachelor's or master's study should take ENGL 102 English Composition and Literature for the Arts and Humanities or English Literature choice course. Certain Physical Therapist Assistant courses may not be transferable.

All General Education requirements must be completed prior to or concurrently with PTA 231. In recognition of the intensity of the program requirements, most PTA students choose to complete all non-PTA coursework prior to the beginning of the program. For information regarding the program or program requirements or if you have extensive education or experience, please contact the Program Director.

### Program Requirements

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition <sup>1</sup>	3
<b>Mathematics</b>		
	Mathematics Elective (Gen Ed course list) (p. 71)	3
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
<b>Arts &amp; Humanities</b>		
	Arts Elective (Gen Ed course list) (p. 69) or Humanities Elective (Gen Ed course list) (p. 70) or Communication Elective (Gen Ed course list) (p. 69) (Diversity General Education course required) <sup>2</sup>	3
<b>Biological &amp; Physical Sciences</b>		
BSCI 150	Principles of Biology I	4
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
<b>Departmental Requirements</b>		
Physical Therapist Assistant: <sup>3,4</sup>		
PTA 099	Neuromuscular Anatomy Skills and Palpitation (optional)	0
PTA 101	The Role of the Physical Therapist Assistant	3

PTA 111	Clinical Science 1	6
PTA 113	Modalities	3
PTA 121	Neuroanatomy and Neurophysiology	3
PTA 212	Clinical Science 2	6
PTA 213	Treating Special Populations	6
PTA 221	Pain and Pathology	3
PTA 231	Overview of Special Populations	3
PTA 241	Clinical Arts 1	4
PTA 242	Clinical Arts 2	4
PTA 243	Clinical Arts 3	4
Total Credits		69

1

Students must earn a grade of "C" or better in ENGL 101 English Composition.

2

Students may refer to the Carroll Community College catalog general education information for what qualifies as a diversity course.

3

Courses offered at Carroll Community College.

4

Students must earn a grade of "C" or higher in all Physical Therapy Assistant courses.

### Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

### Police Science

Program website (<https://www.frederick.edu/programs/public-safety/police-science.aspx>)

**Interim Program Manager:** Diana Culp  
**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)  
**Phone:** 301.846.2687

- Police Science A.A.S. (Career) (p. 131)

### Police Science A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/public-safety/police-science.aspx>)

**Interim Program Manager:** Diana Culp  
**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)  
**Phone:** 301.846.2687

### Program Description

Prepares Maryland law enforcement officials to meet the challenges of a diverse, global society through quality, accessible, innovative, lifelong learning. The diverse, ever-growing population of our state requires increasing numbers of law enforcement officials to be skilled at communicating, problem-solving, conflict resolution, and diversity awareness, in addition to being physically strong. The key to creating and maintaining this type of professional law enforcement official is education.

## Program Learning Objective

- Demonstrate effective verbal and nonverbal communications with law enforcement staff and the general public. This may include:
  - effective communication skills in dealing with various types of people (e.g., hostile, angry, drunk, deranged, racist, etc.),
  - identification of non-language and language-style factors that contribute to a negative response from the public (e.g., profanity, spitting, disrespectful attitude, etc.), and
  - courteous, active listening.
- Apply concepts, principles and practices of the criminal justice system to affect successful resolution to potentially and commonly-encountered policing situations. This may include:
  - identifying basic psychological responses of victims and
  - calming and controlling a distraught person.
- Demonstrate ability to identify a given crime, crime classification and section number utilizing the Annotated Code of Maryland and/or the Digest of Criminal Laws and knowing the conditions under which certain procedures are appropriate. This may include:
  - subpoena procedures,
  - booking procedures, and
  - advising a person of his/her rights.
- Demonstrate effective written communications. This may include:
  - preparing complete field and interview notes, and
  - preparing in-depth narrative reports necessary for various legal organizations and legal proceedings. Students will interpret results of wellness, fitness and nutrition evaluations.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		
MATH 101	Foundations of Mathematics	3
<b>Social &amp; Behavioral Sciences</b>		

Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below: 3

SOCY 102	Social Problems (satisfies cultural competence requirement)	
<b>Arts &amp; Humanities</b>		
COMM 103	Public Speaking	3
<b>Biological &amp; Physical Science</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (lab course) - Recommended course(s) below:		
BIOT 130	Forensic Biology	4
<b>Interdisciplinary &amp; Emergency Issues</b>		
Wellness Elective (Gen Ed Course List) (p. 70) - Recommended course(s) below:		
HLTH 160	Stress Management	
EMGT 101	Disaster, Crisis, and Emergency Management	3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Wellness elective above satisfies this requirement		
<b>Departmental Requirements</b>		
CCJS 101	Introduction to Criminal Justice	3
CCJS 201	Criminal Law	3
CCJS 204	Police Operational Services	3
POLC 106	Police - Community Relations <sup>1</sup>	3
POLC 112	Criminalistics <sup>1</sup>	4
POLC 221	Police Defense Tactics <sup>1</sup>	5
POLC 222	Police Arsenal and Procedures <sup>1</sup>	5
POLC 223	Emergency Vehicle Operations Course (EVOC) <sup>1</sup>	3
EMGT 220	Emergency Operations Planning	3
EMGT 221	Public Safety Leadership and Ethics	3
EMGT 201	Public Safety GIS and Technology	3
or SOCY 201	Criminology	
Total Credits		60

1

Articulated from MPCTC and/or only offered through a Maryland Police academy training program.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Respiratory Care

Program website (<https://www.frederick.edu/programs/healthcare/respiratory-care.aspx>)

**Program Manager:** Rhonda Patterson

**Email:** [rpatterson@frederick.edu](mailto:rpatterson@frederick.edu)

**Phone:** 301.846.2528

- Respiratory Care A.A.S. (Career) (p. 132)

## Respiratory Care A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/healthcare/respiratory-care.aspx>)

**Program Manager:** Rhonda Patterson

**Email:** [rpatterson@frederick.edu](mailto:rpatterson@frederick.edu)

**Phone:** 301.846.2528

## Program Description

Prepares students to assume responsible positions as part of the Health Care Team. Focuses on the use of objective scientific data as well as theory to guide students to solve complex problems in the clinical setting. Students receive specialized education in the areas of diagnosis, treatment, management, and preventative care for patients with cardiopulmonary disorders. Respiratory Care students participate in various classroom, laboratory, and clinical experiences. The laboratory experience provides the opportunity for hands on experience in preparation for clinical practice in diverse clinical settings. A grade of "C" or better must be earned in all courses. Upon completion of the program, the student is eligible to sit for the National Registry Examination administered by the National Board for Respiratory Care (N.B.R.C.). The program is accredited by:

Commission on Accreditation for Respiratory Care (CoARC)  
264 Precision Blvd.  
Telford, TN 37690  
817.283.2835

See the Respiratory Care section under Special Programs of Study (p. 29) for application information

## Program Learning Outcomes

- Demonstrate behavior that reflects integrity, supports objectivity, and fosters trust in the respiratory care profession and its professionals as identified by employer survey.
- Recommend and perform procedures to maintain the airway, remove secretions, and assure ventilation and tissue oxygenation.
- Perform a full physical assessment and provide safe respiratory care by modifying therapy or making recommendations for changes in therapy based on the patient's response to their current therapeutic regimen.
- Promote disease prevention and wellness by educating patients on the proper use and care of respiratory equipment.
- Identify educational opportunities to improve and maintain their professional competence and credentials.
- Provide care without discrimination on any basis, with respect for the rights and dignity of all individuals.
- Obtain the CRT and RRT professional credentials in order to practice respiratory care.
- Participate as an active member of the American Association for Respiratory Care.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.

- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 120	Statistics (or higher MATH course)	3
Select MATH 120 or higher from the Mathematics Elective (Gen Ed course list) (p. 71)		
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
<b>Arts &amp; Humanities</b>		
COMM 105	Small Group Communication (satisfies cultural competence requirement)	3
<b>Biological &amp; Physical Sciences</b>		
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
BSCI 223	Microbiology for Allied Health	4
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
RESP 100	Introduction to Respiratory Care (Fall)	2
RESP 101	Gas Exchange Physiology (Fall)	2
RESP 102	Fundamentals of Respiratory Care (Fall)	4
RESP 103	Pharmacology (Spring)	3
RESP 105	Cardiopulmonary and Renal Anatomy and Physiology (Spring)	3
RESP 107	Principles of Mechanical Ventilation (Spring)	4
RESP 109	Clinical Practicum I (Spring)	2
RESP 110	Clinical Practicum II (Summer)	2
RESP 200	Pulmonary Diagnostics (Fall)	2
RESP 201	Cardiac Monitoring and Diagnostics (Fall)	4
RESP 202	Neonatal and Pediatric Respiratory Care (Fall)	3
RESP 203	Clinical Practicum III (Fall)	2
RESP 204	Pulmonary Rehabilitation and Home Care (Spring)	2
RESP 205	Professional Seminar (Spring)	2
RESP 207	Cardiopulmonary and Renal Pathophysiology Review (Spring)	3
RESP 209	Clinical Practicum IV (Spring)	2
Total Credits		67

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Social Sciences

Program website (<https://www.frederick.edu/programs/social-sciences/social-sciences.aspx>)

- Social Sciences A.A. (Transfer) (p. 134)
- Addictions Counseling Area of Concentration within Social Sciences A.A. (Transfer) (p. 135)
- Criminal Justice Area of Concentration within Social Sciences A.A. (Transfer) (p. 135)

- Corrections Certificate (Transfer) (p. 136)
- Education Area of Concentration within Social Sciences A.A. (Transfer) (p. 136)
- History Area of Concentration within Social Sciences A.A. (Transfer) (p. 137)
- Civil War Studies Certificate (Transfer) (p. 138)
- Human Services Area of Concentration within Social Sciences A.A. (Transfer) (p. 138)
- Psychology Area of Concentration within Social Sciences A.A. (Transfer) (p. 139)
- Sociology Area of Concentration within Social Sciences A.A. (Transfer) (p. 140)

## Social Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/social-sciences/social-sciences.aspx>)

**Program Advisor:** Rodney Bennett

**Email:** rbennett@frederick.edu

**Phone:** 240.629.7908

## Program Description

The Associate of Arts in Social Sciences degree trains students to analyze and understand human society and social relationships, and prepares them to transfer to four-year institutions in Social Sciences disciplines. Training in the social sciences prepares students for a wide range of careers and leadership roles in business, non-profits, education, government, and social services. Disciplines within the Social Sciences include Anthropology, Criminal Justice, Economics, Education, Geography, History, Human Services, Political Science, Psychology, and Sociology. Students can choose an approved Area of Concentration or work with an advisor to develop a plan appropriate for their career and transfer interests.

## Program Learning Outcomes

- Students will demonstrate understanding of major findings and ideas in addictions, anthropology, economics, education, geography, history, human services, political science, psychology, or sociology.
- Students will effectively communicate the potential a social science discipline has for contributing to the growth and development of human culture through ancillary material (written, oral, visual, and/or all three modes combined).
- Students will demonstrate critical reading and analytical skills.
- Students will be prepared to enter transfer institutions in social science fields.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>

- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
	Mathematics Elective (Gen Ed course list) (p. 71)	3
<b>Social &amp; Behavioral Sciences</b>		
	Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines	6
<b>Arts &amp; Humanities</b>		
	Arts Elective (Gen Ed course list) (p. 69)	3
	Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:	3
PHIL 105	Ethics	
	Communication Elective (Gen Ed course list) (p. 69)	3
<b>Biological &amp; Physical Sciences</b>		
	Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
	Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)	4
<b>General Education Elective</b>		
	General Education Elective (Gen Ed course list) (p. 69)	3
<b>Physical Education, Health, or Nutrition Requirement</b>		
	Select one PHED, HLTH, or NUTR course	1
<b>Electives</b>		
	Select 28 credits of electives <sup>1</sup>	28
Total Credits		60

1

Take a minimum of 15 credits of Social Science electives from any of the disciplines listed below. A minimum of 6 credits must be in the same discipline. It is imperative that students consult with an advisor before registering to maximize transfer of coursework.

- Anthropology (ANTH)
- Criminal Justice (CCJS)
- Economics (ECON)
- Education (EDUC)
- Geography (GEOG)
- History (HIST)
- Human Services (HUMS)
- Political Science (POSC)
- Psychology (PSYC)
- Sociology (SOCY)

Students majoring in the Associate of Arts in Social Science without an Area of Concentration should follow the curriculum outlined above and will have 13 unrestricted elective credits.

Students majoring in an Area of Concentration will follow the curriculum of their major (Addictions Counseling; Criminal Justice; Education; History; Human Services; Psychology; Sociology).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Addictions Counseling Area of Concentration within Social Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/social-sciences/addictions-counseling.aspx>)

*The Addictions Counseling Area of Concentration has been discontinued. No new students will be admitted to the AOC program. New students should select the Addictions Counseling A.A.S. degree (p. 78).*

## Criminal Justice Area of Concentration within Social Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/public-safety/criminal-justice.aspx>)

**Interim Program Manager:** Diana Culp  
**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)  
**Phone:** 301.846.2687

## Program Description

Introduces students to the highly specialized and sophisticated area of criminal justice by acquainting students with the principles underlying technical skills and procedures, administration and operation of criminal justice organizations and psychological and sociological origins of human behavior.

## Program Learning Outcomes

- Demonstrate an understanding of the 3 major components of the criminal justice system.
- Describe the methods of gathering crime data.
- Demonstrate an understanding of the United State Constitution and Supreme Court decisions affecting individual rights and law enforcement practices.
- Explain the history of the criminal justice system in the United States.
- Explain the Maryland court system.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>

- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommend course(s) below:		3
MATH 120	Statistics <sup>1</sup>	
MATH 127	Statistics with Probability <sup>1</sup>	
MATH 175	Applied Calculus <sup>1</sup>	
MATH 185	Calculus I <sup>1</sup>	
MATH 125	Business Statistics (in addition, strongly recommended as an elective below) <sup>1,2</sup>	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines - Recommended course(s) below:		6
HIST 201	History of the United States I	
PSYC 101	General Psychology	
POSC 104	American Government	
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
COMM 103	Public Speaking	3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course) - Recommended course(s) below:		4
BIOT 130	Forensic Biology	
<b>General Education Elective</b>		
Select one of the following:		3
SOCY 102	Social Problems (satisfies cultural competence requirement)	
SOCY 210	Ethnic Diversity (satisfies cultural competence requirement)	
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
CCJS 101	Introduction to Criminal Justice	3
CCJS 201	Criminal Law	3
CCJS 204	Police Operational Services	3
CCJS 214	The Correctional Process	3
CCJS 220	Criminal Evidence Procedure	3
SOCY 201	Criminology	3
<b>Electives</b>		
Select 10 credits in consultation with an advisor or transfer institution (ARTSYS). Depending on the transfer institution, recommended electives may include:		10
ANTH 101	Introduction to Anthropology	
ANTH 103	Introduction to Archeology	
CCJS 108	Serial Killers: Psychosocial Perspectives	
CCJS 209	Criminal Investigations	
Any CMIS course		
EMGT 221	Public Safety Leadership and Ethics	
HIST 102	History of Western Civilization II	
INTR 103	Internship	

LGST 100	Introduction to Law
LGST 200	Legal Research
LGST 205	Legal Writing
MATH 125	Business Statistics <sup>2</sup>
PHIL 105	Ethics
PHIL 209	Environmental Ethics
SOCY 101	Introduction to Sociology
SOCY 102	Social Problems
SOCY 202	Families and Society
SOCY 210	Ethnic Diversity
SOCY 212	Gender and Society
Total Credits	60

1

Must be completed by students transferring to University of Maryland to fulfill Gen Ed Math.

2

Prerequisite: CMIS 101 Information Systems and Technology

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Corrections Certificate (Transfer)

Program website (<https://www.frederick.edu/programs/public-safety/criminal-justice.aspx>)

**Interim Program Manager:** Diana Culp

**Email:** [dculp@frederick.edu](mailto:dculp@frederick.edu)

**Phone:** 301.846.2687

## Program Description

Targets the field in criminal justice that focuses on the sentencing and treatment of offenders after they have been convicted of crimes. The certificate is designed to prepare students for employment in the corrections field, including state and federal prisons and county detention centers. The certificate program is also designed to help corrections officers improve their work-related skills and advance within their chosen careers.

## Program Learning Outcomes

- Explain the correctional system at the local, state, and federal levels and how they function and interact.
- Demonstrate an understanding of the history of corrections in the United States.
- Explain how an offender passes through and is dealt with by the judicial system after being charged with criminal acts.
- Identify the treatment programs offered in the local, state, and federal levels of corrections.
- Explain the function of parole, probation and mandatory release.
- Explain the process of the death penalty in the United States.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CCJS 101	Introduction to Criminal Justice	3
CCJS 201	Criminal Law	3
CCJS 214	The Correctional Process	3
ENGL 101	English Composition	3
PHED 165	Fitness for Living	3
PSYC 101	General Psychology	3
PSYC 104	Issues of Drug/Alcohol Use	3
SOCY 102	Social Problems	3
SOCY 201	Criminology	3
Total Credits		27

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Education Area of Concentration within Social Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/social-sciences/education.aspx>)

**Program Manager:** Heather Hinkle

**Email:** [hhinkle@frederick.edu](mailto:hhinkle@frederick.edu)

**Phone:** 301.846.2461

## Program Description

Designed for students who plan to transfer to a four-year institution outside of the state of Maryland to obtain a baccalaureate degree and earn state teacher certification, or for students whose desired teaching discipline is not reflected in existing A.A.T. programs.

## Program Learning Outcomes

- Identify, apply and discuss major concepts, principles, and theories related to human development by completing one or more papers and projects based on observation of children and adolescents.
- Demonstrate knowledge of curriculum approaches and effective methods of teaching and learning through creating and presenting lesson plans applicable to course topics.
- Compose and collect artifacts (i.e. papers, projects) for current and future portfolios and participate in activities (i.e. case study experiences, interviews) to demonstrate how students differ in their development and approaches to learning.
- Demonstrate characteristics of future teachers by behaving professionally at events and experiences both on and off campus, utilizing college-level skills in course assignments, etc.
- Develop an initial knowledge base in future teaching content areas by successfully completing coursework in relevant areas.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.

- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## History Area of Concentration within Social Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/social-sciences/history.aspx>)

**Program Manager:** Corwin Parker

**Email:** [cparker@frederick.edu](mailto:cparker@frederick.edu)

**Phone:** 301.846.2537

### Program Description

Designed to prepare students to transfer to four-year institutions. This option provides the opportunity to acquire knowledge about how people have interacted within societies and between societies in relation to a multitude of disciplinary areas.

### Program Learning Outcomes

- Graduates will evaluate both primary and secondary sources.
- Graduates will apply and properly cite both types of evidence in their written work.
- Graduates will employ a formal style of writing and the professional ethics that historians use in their work.
- Graduates will use basic research techniques in history.
- Graduates will demonstrate a general familiarity with the intellectual, political, economic, social, and cultural history of the United States and Europe.
- Graduates will create a thesis statement exploring historical issues.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Select three courses, one from each area:		9
Arts Elective (Gen Ed course list) (p. 69)		
Humanities Elective (Gen Ed course list) (p. 70)		
COMM 103	Public Speaking	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
EDUC 110	Schools and Society	3
PSYC 101	General Psychology	3
EDUC 220	Educational Psychology	3
EDUC 230	Foundations of Special Education (satisfies cultural competence requirement)	3
EDPS 210 or PSYC 204	Human Growth and Development Psychology of Adolescence	3
<b>Electives</b>		
Select 13 credit hours <sup>1</sup>		13
Total Credits		60

1

Please consult with a transfer advisor at your transfer institution of choice to select courses applicable to your planned area of teacher certification and any needed testing requirements for future teachers.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		

Mathematics Elective (Gen Ed course list) (p. 71)	3
<b>Social &amp; Behavioral Sciences</b>	
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines	6
<b>Arts &amp; Humanities</b>	
Arts Elective (Gen Ed course list) (p. 69)	3
Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:	3
PHIL 105 Ethics	
Communication Elective (Gen Ed course list) (p. 69) – Select one of the following courses:	3
COMM 103 Public Speaking	
COMM 105 Small Group Communication	
ENGL 102 English Composition and Literature	
<b>Biological &amp; Physical Sciences</b>	
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)	4
<b>General Education Elective</b>	
General Education Elective (Gen Ed course list) (p. 69)	3
<b>Physical Education, Health, or Nutrition Requirement</b>	
Select one PHED, HLTH, or NUTR course	1
<b>Concentration Courses</b>	
Select one course from each of the three categories below: <sup>1</sup>	9
Category 1:	
HIST 101 History of Western Civilization I	
HIST 102 History of Western Civilization II	
Category 2:	
HIST 121 World History I (satisfies Cultural Competence requirement)	
HIST 122 World History II (satisfies Cultural Competence requirement)	
Category 3:	
HIST 201 History of the United States I	
HIST 202 History of the United States II	
Select two 200-level History courses from the list below:	6
HIST 212 Civil War	
HIST 213 History of the South	
HIST 214 The Civil Rights Movement	
HIST 215 Constitutional History of the United States	
HIST 217 African-American History	
HIST 220 World War II	
HIST 221 The Sixties	
<b>Electives</b>	
Select 13 credit hours in consultation with an advisor or the transfer institution (ARTSYS) <sup>2</sup>	13
Total Credits	60

1

Students should check with an advisor or transfer institution (ARTSYS) before selecting their courses.

2

Additional HIST 200 level courses and 2 semesters of the same foreign language are recommended.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Civil War Studies Certificate (Transfer)

Program website (<https://www.frederick.edu/programs/social-sciences/history.aspx>)

**Program Manager:** Corwin Parker

**Email:** [cparker@frederick.edu](mailto:cparker@frederick.edu)

**Phone:** 301.846.2537

## Program Description

Designed for students who want depth and breadth in studying the Civil War era. This certificate would especially benefit either history majors or those who have a keen interest in a more comprehensive treatment of the Civil War than one course can offer. Included in the certificate are courses addressing a detailed examination of the causes of the war, the war itself, the legacies of the war, and an in-depth research project relating to the war.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
ENGL 101	English Composition <sup>1</sup>	3
HIST 201	History of the United States I	3
HIST 212	Civil War	3
HIST 299/299H	Independent Study: History	3
Select one of the following:		
HIST 217	African-American History	
HIST 213	History of the South	
HIST 215	Constitutional History of the United States	
Total Credits		15

1

Students must earn a grade of "C" or better in ENGL 101 English Composition.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Human Services Area of Concentration within Social Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/social-sciences/human-services.aspx>)

**Program Manager:** Dr. Kristen Wells

**Email:** [kwells@frederick.edu](mailto:kwells@frederick.edu)

**Phone:** 301.846.2696

## Program Description

Introduces the student to a broad range of social and rehabilitation services and human development concepts designed to deal with the problems of specific populations, including the elderly, children, and persons with mental or physical disabilities. The student will be aware of the demands of the human services field.

## Program Learning Outcomes

- Describe the origins of social work and the other human service professions and discuss the current issues in the field through journal writing.

- Use theoretical frameworks supported by empirical research to understand individual behavior across the life span and apply in case examples.
- Identify and evaluate the major theories and techniques of social and clinical intervention applied in case examples.
- Demonstrate proficiency in basic helping skills by conducting a series of videotapes helping interviews.
- Apply critical thinking skills to professional human service practices.
- Understand the Codes of Ethics of the major professional organizations that regulate the human services and demonstrate the ability to comply with these standards in volunteer and internship experiences in human service agencies.
- Demonstrate the ability to practice multicultural awareness and sensitivity in a human service agency volunteer or internship experience.
- Articulate their identity as a human service professional and formulate a plan for on-going professional development in reflective papers.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 120	Statistics	
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
SOCY 101	Introduction to Sociology	3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
COMM 103	Public Speaking	
COMM 105	Small Group Communication	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) <sup>1</sup>		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course) <sup>1</sup>		4

<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
SOCY 102	Social Problems	3
COMM 102	Interpersonal Communication	3
HUMS 103	Introduction to Social Work and the Human Services	4
EDPS 210	Human Growth and Development	3
ECON 200	Principles of Macroeconomics	3
ANTH 101	Introduction to Anthropology	3
PSYC 204	Psychology of Adolescence	3
or PSYC 206	Abnormal Psychology	
Electives <sup>2</sup>		6
Total Credits		60

1

It is recommended that a science course in human biology be taken for one of the science requirements: BSCI 117 Human Biology (lab science) or BSCI 107 Study of the Human Body (non-lab science).

2

See your advisor to match the elective credits to your specific transfer institution.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Psychology Area of Concentration within Social Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/social-sciences/psychology.aspx>)

**Program Manager:** Dr. Lisa DiDonato  
**Email:** [ldidonato@frederick.edu](mailto:ldidonato@frederick.edu)  
**Phone:** 301.846.2465

## Program Description

Designed to provide students the opportunity to continue their education beyond the community college. Characteristic of this option is the acquiring of knowledge and skills related to working with individuals in providing for their emotional and psychological needs.

## Program Learning Outcomes

- Demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology through the successful completion of discipline specific courses.
- Explore and examine critical thinking using the scientific approach to solve problems related to human behavior and mental processes through completion of a series of application exercises.
- Apply psychological concepts, theories, and research findings to everyday life.
- Develop insight into one's own behavior and mental processes and apply effective strategies for self-management and self-improvements.

- Explore the elements of multiculturalism through learning about social constructs such as gender, SES, race, and ethnicity.
- Students will emerge from the program of study with ideas on how to implement one’s knowledge of psychology, skills, and values in future occupational and educational pursuits.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 175	Applied Calculus	
MATH 120	Statistics	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:		3
PHIL 105	Ethics	
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
BSCI 107	Study of the Human Body	
BSCI 117	Human Biology	
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (lab course) - Recommended course(s) below:		4
BSCI 150	Principles of Biology I	
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
PSYC 101	General Psychology	3
PSYC 201	Developmental Psychology	3
PSYC 202	Social Psychology	3
PSYC 206	Abnormal Psychology	3

Select one Social Science course from Anthropology, Criminal Justice, Economics, Education, Geography, History, Human Services, Political Science, Psychology, or Sociology 3

Electives	
Select 13 credits; recommended electives might include: <sup>1</sup>	
PSYC 204	Psychology of Adolescence
PSYC 205	Psychology of Aging
PSYC 207	Death and Dying
SOCY 212	Gender and Society
SOCY 101	Introduction to Sociology
SOCY 102	Social Problems
SOCY 202	Families and Society
World language	

Total Credits 60

1

Students should check with an advisor or the transfer institution (ARTSYS) before selecting their electives.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Sociology Area of Concentration within Social Sciences A.A. (Transfer)

Program website (<https://www.frederick.edu/programs/social-sciences/sociology.aspx>)

**Program Manager:** Corwin Parker  
**Email:** [cparker@frederick.edu](mailto:cparker@frederick.edu)  
**Phone:** 301.846.2537

## Program Description

Designed to give students the opportunity to transfer to a four-year institution. Students acquire knowledge and skills necessary to work with people in a changing society.

## Program Learning Outcomes

- Understand the sociological perspective which is defined as the ability to see the connections between our personal experience and the larger forces of history.
- Perform sociological analyses on selected contemporary social issues (e.g., education, poverty, globalization, war).
- Describe sociological research methods and interpret sociological research.
- Identify and articulate the interplay of macro and micro level structural forces and the influence of culture in shaping behavior.
- Understand the stratified nature of globalization and the importance of intercultural differences within and between local and global communities.
- Communicate effectively on how sociology contributes to an understanding of the social world.
- Develop sociological knowledge, skills, and values that can be applied in transfer programs and various occupations.
- Recognize how social life is structured in ways that influence choices, opportunities, and action.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
SOCY 101	Introduction to Sociology	3
Select nine credits of the following: <sup>1</sup>		9
SOCY 102	Social Problems (meets cultural competence requirement)	
SOCY 201	Criminology	
SOCY 202	Families and Society	
SOCY 207	Sexuality and Society	
SOCY 210	Ethnic Diversity (meets cultural competence requirement)	
SOCY 212	Gender and Society (meets cultural competence requirement)	
PSYC 202	Social Psychology	
Select one Social Science course from Anthropology, Criminal Justice, Economics, Geography, History, Human Services, Political Science, Psychology, or Sociology		3
<b>Electives</b>		
Select 13 credits <sup>1</sup>		13
<b>Total Credits</b>		<b>60</b>

1

Students should check with an advisor or transfer institution (ARTSYS) before selecting their courses.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## STEM: Science, Technology, Engineering and Mathematics

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/stem.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/stem.aspx))

**Program Advisor:** Christina McGill  
**Email:** [cmcgill@frederick.edu](mailto:cmcgill@frederick.edu)  
**Phone:** 240.629.7802

- STEM: Science, Technology, Engineering, and Mathematics A.S. (Transfer) (p. 141)
- Biology Area of Concentration within STEM A.S. (Transfer) (p. 142)
- Chemistry Area of Concentration within STEM A.S. (Transfer) (p. 143)
- Engineering Area of Concentration within STEM A.S. (Transfer) (p. 144)
- Mathematics Area of Concentration within STEM A.S. (Transfer) (p. 145)

## STEM: Science, Technology, Engineering, and Mathematics A.S. (Transfer)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/stem.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/stem.aspx))

**Program Advisor:** Christina McGill  
**Email:** [cmcgill@frederick.edu](mailto:cmcgill@frederick.edu)  
**Phone:** 240.629.7802

## Program Description

Prepares students for transfer to four-year institutions in STEM (Science, Technology, Engineering, and Mathematics) disciplines. A STEM education trains students how to think analytically, creatively, logically, and scientifically, and how to ask the questions and pose the solutions to the challenges facing our society. Some students will choose an approved Area of Concentration, while others will explore STEM disciplines more generally. Students interested in courses of study such as pre-medical, pre-dental, pre-veterinary, pre-pharmacy, pre-physician assistant, or other related programs should follow the STEM A.S. Degree: Biology or Chemistry Area of Concentration and meet with an academic advisor.

## Program Learning Outcomes

- Demonstrate analytic thinking and problem solving skills in mathematics and the sciences.

- Effectively communicate mathematical explanations (verbal, graphical, numerical, and symbolic representations) and a basic understanding of the scientific method.
- Demonstrate an understanding of basic concepts in biological, chemical, computer science, physical, mathematics, or engineering disciplines.
- Demonstrate an ability to apply quantitative methods to chemical, computer science, biological, or engineering applications.
- Be prepared to enter transfer institutions in STEM fields.
- Demonstrate the ability to use technology appropriate to mathematical and scientific problem solving.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 165 or MATH 185	Precalculus <sup>1</sup> Calculus I	4
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course)		4
BSCI 150	Principles of Biology I (recommended)	
CHEM 101	General Chemistry I (recommended)	
PHYS 151	General Physics I (recommended)	
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Electives</b>		

Select 27 credits <sup>2</sup>	27
Total Credits	60

1

Biology, Chemistry, Engineering, and Mathematics Areas of Concentration require MATH 185 Calculus I or higher.

2

Take a minimum of 19 credits of STEM electives from any of the disciplines listed below. A minimum of 6 credits must be in the same discipline. It is imperative that students consult with an advisor before registering to maximize transfer of coursework; for example some programs will also require MATH 185 Calculus I.

- Biology (BSCI)
- Chemistry (CHEM)
- Computed Aided Design Technology (CADT)
- Computer & Information Sciences (CMIS)
- Engineering (ENGR)
- Mathematics (MATH)
- Physical Science (PHSC)
- Physics (PHYS)

Students majoring in the Associate of Science in STEM without an Area of Concentration should follow the curriculum outlined above and will have 8 unrestricted elective credits. It is recommended that they take CMIS 106 Object Design and Programming.

Students majoring in an Area of Concentration will follow the curriculum for their major (Biology, Chemistry, Engineering, or Mathematics).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Biology Area of Concentration within STEM A.S. (Transfer)

Program website (<https://www.frederick.edu/programs/science-technology-engineering-and-math-stem/biology.aspx>)

**Program Manager:** Dr. Teresa Calzonetti

**Email:** [tcalzonetti@frederick.edu](mailto:tcalzonetti@frederick.edu)

**Phone:** 301.846.2557

## Program Description

Provides the courses typically required of biology majors during their first two years of college. Students who earn degrees in biology go on to work in many different fields including: health care professions, pharmaceuticals, biotechnology, wildlife biology, environmental biology, ecology, research, and teaching. Students interested in courses of study such as pre-medical, pre-dental, pre-veterinary, pre-pharmacy, pre-physician assistant, or other related programs should follow the STEM A.S. Degree: Biology or Chemistry Area of Concentration and meet with an academic advisor.

## Program Learning Outcomes

- Articulate central themes of discipline.
- Apply science as a process.
- Demonstrate scientific inquiry (e.g. use models).
- Communicate scientific knowledge.
- Integrate discipline specific technology.
- Demonstrate appropriate quantitative skills.
- Analyze science's role in society.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 185	Calculus I	4
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
CHEM 101	General Chemistry I	4
BSCI 150	Principles of Biology I	4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
BSCI 160	Principles of Biology II	4
CHEM 102	General Chemistry II	4
CHEM 201	Organic Chemistry I	4
CHEM 202	Organic Chemistry II	4
BSCI 240	Genetics (Spring)	4
<b>Electives</b>		
Select six credits in consultation with an advisor. <sup>1</sup>		6
PHYS 121	Fundamentals of Physics I (recommended)	
PHYS 151	General Physics I (recommended)	

MATH 195	Calculus II (recommended)
Total Credits	60
1	

Students transferring to University of Maryland-Shady Grove must take BSCI 263 Elements of Microbiology or BSCI 223 Microbiology for Allied Health at FCC, as it is not offered at Shady Grove.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Chemistry Area of Concentration within STEM A.S. (Transfer)

Program website ([https://www.frederick.edu/programs/science-technology-engineering-and-math-\(stem\)/chemistry.aspx](https://www.frederick.edu/programs/science-technology-engineering-and-math-(stem)/chemistry.aspx))

**Program Manager:** Dr. Teresa Calzonetti

**Email:** [tcalonetti@frederick.edu](mailto:tcalonetti@frederick.edu)

**Phone:** 301.846.2557

## Program Description

Provides a variety of science and math courses for students pursuing a course of study in chemistry. Students planning to transfer to a four-year college should check the requirements of that institution. If there are significant differences, the student should consult an advisor for guidance. Students interested in courses of study such as pre-medical, pre-dental, pre-veterinary, pre-pharmacy, pre-physician assistant, or other related programs should follow the STEM A.S. Degree: Biology or Chemistry Area of Concentration and meet with an academic advisor.

## Program Learning Outcomes

- Articulate central themes of discipline.
- Apply science as a process.
- Demonstrate scientific inquiry (e.g. use models).
- Communicate scientific knowledge.
- Integrate discipline specific technology.
- Demonstrate appropriate quantitative skills.
- Analyze science's role in society.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.

- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 185	Calculus I	4
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
CHEM 101	General Chemistry I	4
BSCI 150	Principles of Biology I	4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
CHEM 102	General Chemistry II	4
MATH 195	Calculus II	4
CHEM 201	Organic Chemistry I	4
PHYS 151	General Physics I	4
CHEM 202	Organic Chemistry II	4
<b>Electives</b>		
Select electives in consultation with an advisor - Recommended course(s):		6
PHYS 252	General Physics II	
or MATH 285	Calculus III	
& MATH 220	Introduction to MATLAB	
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Engineering Area of Concentration within STEM A.S. (Transfer)

Program website ([https://www.frederick.edu/programs/science-technology-engineering-and-math-\(stem\)/engineering.aspx](https://www.frederick.edu/programs/science-technology-engineering-and-math-(stem)/engineering.aspx))

**Program Manager:** Dr. Perry Wood

**Email:** [pwood@frederick.edu](mailto:pwood@frederick.edu)

**Phone:** 301.846.2554

## Program Description

Provides the basis for transfer to a four-year college engineering course of study. Every course is not applicable to all engineering fields, and schools vary in their transfer requirements. Students entering the

program who lack precalculus must satisfy this requirement before taking MATH 185 Calculus I. Therefore, it is imperative that each student meets regularly with an advisor to establish and/or confirm a personal direction for future study.

## Program Learning Objectives

- Identify and solve engineering problems, individually and as part of team, using engineering tools and knowledge, including computer modeling.
- Communicate effectively ideas and solutions using oral, visual, and written presentations.
- Apply professional and ethical guidelines of the engineering profession in the formulation of engineering designs.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 185	Calculus I	4
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
CHEM 101	General Chemistry I	4
PHYS 151	General Physics I	4
<b>General Education Elective</b>		
General Education Elective (Gen Ed course list) (p. 69)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
CHEM 102	General Chemistry II	4
ENGR 100	Introduction to Engineering Design	3

MATH 195	Calculus II	4
MATH 275	Differential Equations (Spring)	3
MATH 220	Introduction to MATLAB	1
STEM Electives <sup>1</sup>		
Recommended courses may include:		8
ENGR 110	Engineering Statics (Fall)	
ENGR 210	Mechanics of Materials (Spring)	
ENGR 212	Engineering Dynamics	
MATH 285	Calculus III	
PHYS 252	General Physics II	
PHYS 253	General Physics III	
<b>Electives</b>		
Select a course in consultation with an advisor.		3
<b>Total Credits</b>		<b>60</b>

1

Select courses in consultation with an advisor depending on a student's transfer goals. STEM Electives must be from Biology, Chemistry, Computer & Information Sciences, Engineering, Mathematics, or Physics.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Mathematics Area of Concentration within STEM A.S. (Transfer)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/mathematics.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/mathematics.aspx))

**Program Manager:** Kylena Cross  
**Email:** [kcross@frederick.edu](mailto:kcross@frederick.edu)  
**Phone:** 240.629.7835

## Program Description

Provides a diversity of courses for students pursuing a course of study in mathematics. Students planning to transfer to a four-year institution should check requirements. If there are significant differences, the student should consult an advisor for guidance.

## Program Learning Outcomes

- Produce effective, organized, clear, and correct mathematical explanations using grammatically correct English.
- Interpret and analyze verbal, graphical, numerical, and symbolic representations of mathematics.
- Solve problems effectively and efficiently using mathematical tools that appropriately model the situation.
- Demonstrate the ability to use technology appropriate to mathematical problem solving.
- Generate alternative representations of numerical data and analytical concepts.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.

- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 185	Calculus I	4
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - select two courses from different disciplines		6
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) (Lab course) <sup>1</sup>		4
<b>General Education Required Elective</b>		
CMIS 106	Object Design and Programming	3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
MATH 195	Calculus II	4
MATH 220	Introduction to MATLAB	1
MATH 265	Linear Algebra (Fall)	4
MATH 275	Differential Equations (Spring)	3
MATH 285	Calculus III	4
Select one in consultation with an advisor:		
MATH 170	Introduction to Discrete Mathematics (Spring)	3
or CMIS 201	Computer Science I	
<b>Electives</b>		
Select electives in consultation with an advisor:		8
PHYS 253	General Physics III (required at the University of Maryland-College Park)	
CMIS 202	Computer Science II (may be recommended depending on transfer school)	
<b>Total Credits</b>		<b>60</b>

1

PHYS 151 General Physics I and PHYS 252 General Physics II required at the University of Maryland-College Park; recommended for students transferring to other institutions

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## STEM Technology

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\).aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem).aspx))

- STEM Technology A.A.S. (Career) (p. 146)
- Audio Production Technology Area of Concentration within STEM Technology A.A.S. (Career) (p. 147)
- Audio Production Certificate (Career) (p. 148)
- Computer Aided Design Technology Area of Concentration within STEM Technology A.A.S. (Career) (p. 148)
- Computer Aided Design (Engineering) Technology Area of Concentration within STEM Technology A.A.S. (Career) (p. 149)
- Architectural Computer Aided Design Certificate (Career) (p. 150)
- Computer Aided Design Operator Certificate (Career) (p. 151)
- Construction Management Technology Area of Concentration within STEM Technology A.A.S. (Career) (p. 151)
- Construction Management and Supervision Certificate (Career) (p. 152)
- Cybersecurity Area of Concentration within STEM Technology A.A.S. (Career) (p. 152)
- Information Security and Assurance Certificate (Career) (p. 154)
- Data Science Area of Concentration within STEM Technology A.A.S. (Career) (p. 154)
- Information Technology Specialist Area of Concentration within STEM Technology A.A.S. (Career) (p. 154)
- Cloud Computing Certificate (Career) (p. 155)
- Computer Studies Certificate (Career) (p. 155)
- Computer Support Specialist Certificate (Career) (p. 156)
- Healthcare Information Technology Certificate (Career) (p. 156)
- Software Specialist Certificate (Career) (p. 156)
- Network Engineering Area of Concentration within STEM Technology A.A.S. (Career) (p. 156)
- Network Engineer Certificate (Career) (p. 157)
- Software Engineering Area of Concentration within STEM Technology A.A.S. (Career) (p. 157)

## STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/stem.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/stem.aspx))

**Program Advisor:** Jenny Moore

**Email:** [jmoore@frederick.edu](mailto:jmoore@frederick.edu)

**Phone:** 240.629.7981

## Program Description

The Associate of Applied Science in Science, Technology, Engineering, and Mathematics (STEM) is designed for students who plan to enter a career field. Some students will choose an approved Area of Concentration, others will explore STEM disciplines more generally.

## Program Learning Outcomes

- Apply technology tools responsibly, appropriately, and effectively.
- Evaluate physical, mathematical, and scientific concepts in career fields.
- Employ contemporary and emerging technology resources in diverse and dynamic environments.
- Analyze technical requirements to determine and recommend resource requirements for organizations.
- Identify and resolve real-world problems/issues utilizing engineered techniques and approaches.
- Apply engineering design processes in developing solutions for business needs.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Electives</b>		
Select 38 credits in consultation with an advisor to maximize transfer of coursework <sup>1</sup>		38
CMIS 106	Object Design and Programming (recommended)	
Total Credits		60

1

Take a minimum of 24 credits of STEM Technology electives from any of the disciplines listed below. A minimum of 12 credits must be in the same discipline.

- Biological Sciences (BSCI)
- Biotechnology (BIOT)
- Building Trades Technology (BLDT)
- Business Management (BMGT)
- Computer Aided Design Technology (CADT)
- Construction Management Technology (CMTE)
- Chemistry (CHEM)
- Computer & Information Sciences (CMIS)
- Engineering (ENGR)
- Film & Video Production (FILM)
- Graphic Design (GRPH)
- Mathematics (MATH)
- Music (MUSC)
- Physical Science (PHSC)
- Physics (PHYS)

Students majoring in the Associate of Applied Science in STEM without an Area of Concentration should follow the curriculum outlined above and will have 14 unrestricted elective credits. It is recommended that they take CMIS 106 Object Design and Programming.

Students majoring in an Area of Concentration will follow the curriculum for their major:

- Audio Production Technology
- Computer Aided Design Technology
- Computer Aided Design (Engineering) Technology
- Construction Management Technology
- Cybersecurity
- Information Technology Specialist
- Network Engineering
- Software Engineering

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Audio Production Technology Area of Concentration within STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/audio-production.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/audio-production.aspx))

**Program Manager:** Dr. Todd Campbell

**Email:** [tocampbell@frederick.edu](mailto:tocampbell@frederick.edu)

**Phone:** 301.624.2844

## Program Description

Provides the core skills needed to function in and prepare students for entry into the growing audio production profession. Audio production requires creative problem-solving rooted in a strong conceptual and practical foundation. In hands-on classes, students explore the concepts, tools, and techniques of the audio industry using hardware and software they will encounter in the workplace.

## Program Learning Outcomes

- Demonstrate command in the operation of industry standard hardware and software.
- Assimilate the responsibilities and standards associated with the professional audio industry by participating in an internship or by working with professional recording artists and technicians.
- Research and execute music productions in a variety of genres.
- Develop effective problem solving and critical thinking through the application of fundamental acoustic principles.
- Plan and execute music productions that reflect an awareness of current industry aesthetic values and quality standards.
- Evaluate music productions using the fundamental principles of aural and written music theory.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71)		3
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
PSYC 202	Social Psychology	
<b>Arts &amp; Humanities</b>		
Art Elective (Gen Ed course list) - Recommended course(s) below:		3
MUSC 109	American Popular Music	
Humanities Elective (Gen Ed course list) (p. 70)		3

Communication Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:	3
COMM 105 Small Group Communication (satisfies cultural competence requirement)	
<b>Biological &amp; Physical Sciences</b>	
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
<b>Physical Education, Health, or Nutrition Requirement</b>	
Select one PHED, HLTH, or NUTR course	1
<b>Concentration Courses</b>	
MUSC 103 Fundamentals of Music	3
MUSC 106 Ear Training and Musicianship I <sup>1</sup>	1
BMGT 109 Entrepreneurship and Small Business Enterprise	3
MUSC 130 Foundations of Audio Technology	3
MUSC 135 Audio Recording Techniques (Spring)	3
MUSC 145 Publishing, Licensing, and Copyrighting	3
MUSC 230 Studio Recording Techniques (Fall)	3
MUSC 235 Advanced Audio Production (Spring)	3
MUSC 240 MIDI Music Production Techniques (Fall)	3
INTR 101 Internship	1
or MUSC 250 Music Industry Practicum and Seminar (Fall)	
<b>Electives</b>	
Courses may include (but are not limited to): <sup>2</sup>	12
Applied Music Lessons (Instrumental Lessons up to 4 semesters)	
CMIS 105 Introduction to Programming	
CMIS 106 Object Design and Programming	
CMIS 226 Game Scripting	
CMIS 227 Game Programming	
FILM 101 Introduction to Film	
FILM 144 Digital Video Production	
FILM 222 Television Studio Directing and Operations	
FILM 244 Digital Film Production	
FILM 254 Postproduction: The Art of Editing	
FILM 255 Advanced Postproduction Motion Graphics	
GRPH 111 Graphic Design I	
GRPH 114 Web Design I	
MUSC 107 Ear Training and Musicianship II (Spring)	
MUSC 111 Music Theory I	
MUSC 112 Music Theory II (Spring)	
MUSC 151 Class Piano I	
MUSC 152 Class Piano II	
<b>Total Credits</b>	<b>60</b>

1

MUSC 103 Fundamentals of Music may be taken concurrently with MUSC 106 Ear Training and Musicianship I with the permission of the program manager.

2

Choose an elective in consultation with the program manager.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Audio Production Certificate (Career)

Program website (<https://www.frederick.edu/programs/arts-humanities/audio-production.aspx>)

**Program Manager:** Dr. Todd Campbell

**Email:** [tocampbell@frederick.edu](mailto:tocampbell@frederick.edu)

**Phone:** 301.624.2844

## Program Description

Prepares the core skills needed to function in and prepare students for entry into the growing audio production profession. Audio production requires creative problem-solving rooted in a strong conceptual and practical foundation. In hands-on classes, students explore the concepts, tools, and techniques of the audio industry using hardware and software they will encounter in the workplace.

## Program Learning Outcomes

- Demonstrate command in the operation of industry standard hardware and software.
- Assimilate the responsibilities and standards associated with the professional audio industry by participating in an internship.
- Research and execute music productions in a variety of genres.
- Develop effective problem solving and critical thinking through the application of fundamental acoustic principles.
- Plan and execute music productions that reflect an awareness of current industry aesthetic values and quality standards.
- Evaluate music productions using the fundamental principles of aural and written music theory.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
MUSC 103	Fundamentals of Music	3
MUSC 106	Ear Training and Musicianship I <sup>1</sup>	1
BMGT 109	Entrepreneurship and Small Business Enterprise	3
MUSC 130	Foundations of Audio Technology	3
MUSC 135	Audio Recording Techniques (Spring)	3
MUSC 145	Publishing, Licensing, and Copyrighting	3
MUSC 230	Studio Recording Techniques (Fall)	3
MUSC 235	Advanced Audio Production (Spring)	3
MUSC 240	MIDI Music Production Techniques (Fall)	3
INTR 101	Internship	1
or MUSC 250	Music Industry Practicum and Seminar (Fall)	
<b>Total Credits</b>		<b>26</b>

1

MUSC 103 Fundamentals of Music may be taken concurrently with MUSC 106 Ear Training and Musicianship I with the permission of the program manager.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Computer Aided Design Technology Area of Concentration within STEM Technology A.A.S. (Career)

Program website (<https://www.frederick.edu/programs/information-technology/computer-aided-design.aspx>)

**Program Manager:** Chuck LoSchiavo

**Email:** closchiavo@frederick.edu

**Phone:** 240.629.7902

## Program Description

Provides students with a broad range of knowledge and skills required for success in a career as an architectural CAD drafter, designer, operator, or technician.

## Program Learning Outcomes

- Create two-dimensional production and architectural drawings using basic AutoCAD commands. Print/plot to scale using model and layout space. Use layers to organize and separate information.
- Create pictorial views and three dimensional drawings. Create multiview drawings from three dimensional models.
- Describe and recognize the basic features and uses of additional CAD software systems, including AutoDesk Architecture, Revit, Civil 3D, and Micro station.
- Create architectural sketches, drawings, and models.
- Prepare house plans in AutoCAD and plot drawings in paper space.
- Describe the basic properties and uses of materials used in the construction process and evaluate appropriate methods of installation of construction materials. Illustrate the testing methods used to evaluate the performance and installation of construction materials.
- Create and revise civil drawings.
- Demonstrate proficiency in selected elective areas of CAD and construction.
- Demonstrate awareness of general education concepts - writing, math, science, social science, communications, and PE/health.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Mathematics Elective (Gen Ed Course List) (p. 71) - Recommended course(s) below:		3
MATH 145	College Algebra	
MATH 165	Precalculus	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:		3
PHIL 208	Business Ethics	
Communication Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
COMM 107	Career Communication	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
PHYS 101	Survey of Physics	
PHSC 101	Survey of Physical Science	
PHSC 121	Physical Geology	
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
CADT 101	AutoCAD I	3
CADT 102	AutoCAD II	3
CADT 130	Revit (BIM)	3
CADT 150	Architectural Drawing and Design	3
CADT 210	Residential Architecture I	4
CADT 245	Civil Drafting with CAD	3
<b>Electives</b>		
Select any of the following:		19
Any BLDT, CADT, CMIS, CMTE, ENGR, GISA, MATH, or SPAN course		
INTR 103	Internship	
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Computer Aided Design (Engineering) Technology Area of Concentration within STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/computer-aided-design.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/computer-aided-design.aspx))

**Program Manager:** Chuck LoSchiavo

**Email:** closchiavo@frederick.edu

**Phone:** 240.629.7902

## Program Description

Teaches a full array of industry standard design skills and technologies including Computer Aided Drafting and Solid Modeling, enabling students to assist and work with engineers and related professionals. This program prepares students to pursue paraprofessional positions in engineering industries.

## Program Learning Outcomes

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		

- Solve engineering problems with the use of CAD software and technology.
- Communicate the geometry of the motion of particles and plane motion of rigid bodies through the use of Mechanical, Architectural and Engineering focused technology.
- Create 3D parametric models from simple 2D drawings using methods such as revolving, lofting, and extruding.
- Create Multiview drawings from three-dimensional models. Create designs using various AutoCAD 3D modeling methods.
- Create and modify drawings in pictorial views and create and modify three-dimensional drawings.
- Describe basic finite stress analyses. Conduct Simulations.
- Demonstrate the ability to calculate load and the effect of forces and interpret outcomes. Analyze compression and tensile forces within structural elements.
- Describe experimental design and evaluate evidence to develop hypotheses.
- Describe the basic concepts of force, mass and acceleration, of work and energy, and of impulse and momentum.
- Demonstrate the ability to use observational techniques to measure and collect data and to prepare moment and shear diagrams.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 165	Precalculus	4
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:		3
PHIL 208	Business Ethics	
Communication Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
COMM 107	Career Communication	
<b>Biological &amp; Physical Sciences</b>		

Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
PHYS 101	Survey of Physics	
PHSC 101	Survey of Physical Science	
PHSC 121	Physical Geology	
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
CADT 101	AutoCAD I	3
CADT 102	AutoCAD II	3
CADT 110	Introduction to SolidWorks	3
CADT 250	Statics and Strength of Materials	4
CADT 255	Dynamics	4
CMIS 105	Introduction to Programming	2
CMTE 100	Occupational Safety Health	2
ENGR 100	Introduction to Engineering Design	3
<b>Electives</b>		
Select 13 credits of the following:		13
Any BLDT, CADT, CMIS, CMTE, ENGR, GISA, MATH, or SPAN courses		
INTR 103	Internship	
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

# Architectural Computer Aided Design Certificate (Career)

Program website (<https://www.frederick.edu/programs/information-technology.aspx>)

**Program Manager:** Chuck LoSchiavo  
**Email:** [clloschiavo@frederick.edu](mailto:clloschiavo@frederick.edu)  
**Phone:** 240.629.7902

## Program Description

Provides students with the knowledge and skills required for success in a career as an architectural CAD drafter, designer, operator, or technician.

## Program Learning Outcomes

- Create two-dimensional production and architectural drawings using basic AutoCAD commands. Print/plot to scale using model and layout space. Use layers to organize and separate information.
- Create pictorial views and three dimensional drawings. Create multiview drawings from three dimensional models.
- Describe and recognize the basic features and uses of additional CAD software systems, including AutoDesk Architecture, Revit, Civil 3D, and Micro station.
- Create architectural sketches, drawings, and models.
- Prepare house plans in AutoCAD and plot drawings in paper space.
- Describe the basic properties and uses of materials used in the construction process and evaluate appropriate methods of installation of construction materials. Illustrate the testing methods used to evaluate the performance and installation of construction materials.

- Create and revise civil drawings.
- Demonstrate proficiency in selected elective areas of CAD and construction.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CADT 101	AutoCAD I	3
CADT 102	AutoCAD II	3
CADT 110 or CADT 130	Introduction to SolidWorks Revit (BIM)	3
CADT 150	Architectural Drawing and Design	3
CADT 210	Residential Architecture I	4
CADT 220	Residential Architecture II	4
Total Credits		20

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Computer Aided Design Operator Certificate (Career)

Program website (<https://www.frederick.edu/programs/information-technology/computer-aided-design.aspx>)

**Program Manager:** Chuck LoSchiavo  
**Email:** [closchiavo@frederick.edu](mailto:closchiavo@frederick.edu)  
**Phone:** 240.629.7902

## Program Description

Provides students with a general knowledge and skills required to obtain a position as a CAD technician.

## Program Learning Outcomes

- Create two-dimensional production and architectural drawings using basic AutoCAD commands. Print/plot to scale using model and layout space. Use layers to organize and separate information.
- Create pictorial views and three dimensional drawings. Create multiview drawings from three dimensional models.
- Describe and recognize the basic features and uses of additional CAD software systems, including AutoDesk Architecture, Revit, Civil 3D, and Micro station.
- Create architectural sketches, drawings, and models.
- Prepare house plans in AutoCAD and plot drawings in paper space.
- Describe the basic properties and uses of materials used in the construction process and evaluate appropriate methods of installation of construction materials. Illustrate the testing methods used to evaluate the performance and installation of construction materials.
- Create and revise civil drawings.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CADT 101	AutoCAD I	3
CADT 102	AutoCAD II	3
CADT 110	Introduction to SolidWorks	3
CADT 130	Revit (BIM)	3
CADT 245	Civil Drafting with CAD	3
GISA 101	Introduction to Geographic Information Systems with ArcGIS	3
Total Credits		18

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Construction Management Technology Area of Concentration within STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/construction-management.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/construction-management.aspx))

**Program Manager:** Chuck LoSchiavo  
**Email:** [closchiavo@frederick.edu](mailto:closchiavo@frederick.edu)  
**Phone:** 240.629.7902

## Program Description

Provides students with a broad range of knowledge and skills required for success in a career in construction management. Students planning on transferring to a four year college should discuss course requirements with the program manager.

## Program Learning Outcomes

- Students will be able to demonstrate a working knowledge of the complete construction process which includes effective planning, scheduling, and control of the overall construction project.
- Students will understand construction safety principles and practices, and be familiar with related federal/state/county codes.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course

list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.

- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 145	College Algebra	
MATH 165	Precalculus	
MATH 175	Applied Calculus	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:		3
PHIL 208	Business Ethics	
Communication Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
COMM 107	Career Communication	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
PHYS 101	Survey of Physics	
PHSC 101	Survey of Physical Science	
PHSC 121	Physical Geology	
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
ACCT 101	Principles of Accounting I	3
BMGT 103	Introduction to Business	3
BMGT 120	Business Communications	3
CMIS 101	Information Systems and Technology	3
CMTE 100	Occupational Safety Health	2
CMTE 101	Construction Management	3
CMTE 130	Materials Methods of Construction	3
CMTE 200	Site Management	3
CMTE 210	Construction Project Cost Estimating	3
CMTE 220	Construction Project Scheduling	3
<b>Electives</b>		
Select any of the following:		9
ACCT 102	Principles of Accounting II	
BMGT 100	Spreadsheet Applications	
BMGT 211	Business Law	
BMGT 227	Principles of Management	
EMGT 101	Disaster, Crisis, and Emergency Management	
INTR 103	Internship	
Any BLDT or CADT or CMIS or CMTE or SPAN course <sup>1</sup>		
Total Credits		60

1

CMIS course: CMIS 111R Business Software Applications recommended.

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Construction Management and Supervision Certificate (Career)

Program website (<https://www.frederick.edu/programs/skilled-trades/construction-management.aspx>)

**Program Manager:** Chuck LoSchiavo

**Email:** [closchiavo@frederick.edu](mailto:cloeschiavo@frederick.edu)

**Phone:** 240.629.7902

## Program Description

Provides students with the technical knowledge and skills required for a career in construction management.

## Program Learning Outcomes

- Students will demonstrate an understanding of graphic communications (e.g. architectural drawings and specifications) for construction.
- Students will have an understanding of the methods used in the construction of commercial and/or residential construction projects covering procedures, equipment, materials and techniques.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CMTE 101	Construction Management	3
CMTE 130	Materials Methods of Construction	3
CMTE 140	Architectural Blueprint Reading	3
CMTE 200	Site Management	3
CMTE 210	Construction Project Cost Estimating	3
CMTE 220	Construction Project Scheduling	3
Total Credits		18

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Cybersecurity Area of Concentration within STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-\(stem\)/cybersecurity.aspx](https://www.frederick.edu/programs/science,-technology,-engineering,-and-math-(stem)/cybersecurity.aspx))

**Program Manager:** James Hatch

**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)

**Phone:** 301.624.2769

## Program Description

Prepares graduates for a career in the cybersecurity capacities, such as information security analyst, information technology auditor, network security engineer, and information assurance engineer. This program covers technologies, techniques, and tools required by the cybersecurity industry to identify and respond to threats and vulnerabilities in cyber systems. It covers skills needed to design, analyze, evaluate, and implement security controls in the cyber environments. This program also prepares graduates for professional certifications, including A+, Net+, Security+, Certified Ethical Hacker (CEH), Certified Information Systems Security Professional (CISSP), and Certified Information Security Auditor (CISA).

## Program Learning Outcomes

- Knowledge of disaster recovery and continuity of operations plans.
- Knowledge of systems administration concepts and operations.
- Knowledge of the operations and processes for diagnosing system problems.
- Knowledge of the maintenance needed to keep equipment functioning properly.
- Knowledge of physical computer components and architectures, and their functions.
- Knowledge of network security architecture concepts, including topology, protocols, components, and principles.
- Skills in conducting research for troubleshooting client-level problems.
- Skills in identifying possible causes of degradation of system performance or availability and initiating actions needed to mitigate this degradation.
- Skills in testing and configuring network workstations and peripherals.
- Skills in using the appropriate tools for repairing software, hardware, and peripheral equipment of a system.
- Skills in identifying the risks and threats to an organization's data and providing a structured way of addressing how to safeguard these critical electronic assets.
- Skills in a systems approach to critical thinking.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.

- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 120	Statistics	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:		3
PHIL 101	Introduction to Philosophy	
PHIL 208	Business Ethics	
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Requirements</b>		
CMIS 106	Object Design and Programming	3
CMIS 111L	UNIX/Linux Operating System	3
CMIS 120	PC Operating Systems	3
CMIS 281	Security Fundamentals	3
CMIS 179	Cybersecurity Fundamentals	3
CMIS 280	Networking Fundamentals	3
CMIS 203	Systems Analysis Design	3
CMIS 121	PC Repair Diagnostics	3
CMIS 217	Cybercrime and Digital Forensics	3
CMIS 219	Ethical Hacking	3
CMIS 295	Cloud Security	3
<b>Electives</b>		
Select 5 credits of the following:		5
Any CMIS or BMGT or MATH course(s)		
EMGT 101	Disaster, Crisis, and Emergency Management	
Total Credits		60

- Students holding CompTIA A+ Certification may be awarded 6 credits (CMIS 120 PC Operating Systems and CMIS 121 PC Repair & Diagnostics).
- Students holding CompTIA Network+ Certification may be awarded 3 credits (CMIS 280 Networking Fundamentals).
- Students holding CompTIA Security+ Certification may be awarded 3 credits (CMIS 281 Security Fundamentals).
- Students holding CCNA Certification may be awarded 9 credits (CMIS 290 Cisco 1 Introduction to Networks, CMIS 291 Cisco 2 Switching, Routing, and Wireless Essentials, and CMIS 292 Cisco 3 Enterprise Networking, Security, and Automation).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Information Security and Assurance Certificate (Career)

Program website (<https://www.frederick.edu/programs/information-technology/cybersecurity.aspx>)

**Program Manager:** James Hatch

**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)

**Phone:** 301.624.2769

### Program Description

Designed for students seeking to build skills in specialty areas (e.g., information security), upgrade current skills, or broaden their general knowledge base in information technology. All CIS courses completed in these certificates apply directly to an A.A.S. degree in information technology. The Information Security and Assurance Certificate is specifically designed to meet the need for workers in this rapidly growing area of information technology.

### Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CMIS 106	Object Design and Programming	3
CMIS 120	PC Operating Systems	3
CMIS 121	PC Repair Diagnostics	3
CMIS 280	Networking Fundamentals	3
or CMIS 290	Cisco 1 Introduction to Networks	3
<b>Electives</b>		
Select three of the following courses:		9
CMIS 179	Cybersecurity Fundamentals	
CMIS 217	Cybercrime and Digital Forensics	
CMIS 218	Information Security	
CMIS 219	Ethical Hacking	
CMIS 281	Security Fundamentals	
CMIS 295	Cloud Security	
Total Credits		21

### Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Data Science Area of Concentration within STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/science-technology-engineering-and-math-\(stem\)/data-science.aspx](https://www.frederick.edu/programs/science-technology-engineering-and-math-(stem)/data-science.aspx))

*The Data Science Area of Concentration is being discontinued. No new students will be admitted to the program.*

## Information Technology Specialist Area of Concentration within STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/science-technology-engineering-and-math-\(stem\)/information-technology.aspx](https://www.frederick.edu/programs/science-technology-engineering-and-math-(stem)/information-technology.aspx))

**Program Manager:** James Hatch

**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)

**Phone:** 301.624.2769

### Program Description

Designed to prepare students for immediate entry into computer-related occupations and provide opportunities for individuals in the industry to upgrade their skills.

The program consists of core requirements leading to an A.A.S. degree with intrinsic flexibility in a variety of topics.

### Program Learning Outcomes

- Prepare a plan that addresses organizational needs.
- Identify problem requirements that demonstrate understanding of user and technical needs.
- Explain solutions that satisfy problem requirements.
- Analyze alternative solutions to determine the optimal result.
- Design problem solution that solves the requirements.
- Product documentation that describes solution implementation.
- Integrate hardware, software and security models that facilitate project outcomes.

### Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		

Mathematics Elective (Gen Ed course list) (p. 71)	3
<b>Social &amp; Behavioral Sciences</b>	
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)	3
<b>Arts &amp; Humanities</b>	
Arts Elective (Gen Ed course list) (p. 69)	3
Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:	3
PHIL 208 Business Ethics	
Communication Elective (Gen Ed course list) (p. 69)	3
<b>Biological &amp; Physical Sciences</b>	
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)	3
<b>Physical Education, Health, or Nutrition Requirement</b>	
Select one PHED, HLTH, or NUTR course	1
<b>Concentration Courses</b>	
BMGT 281 Global Awareness in the Work Environment	3
CMIS 120 PC Operating Systems	3
CMIS 106 Object Design and Programming	3
CMIS 203 Systems Analysis Design	3
CMIS 121 PC Repair Diagnostics	3
CMIS 204 Computer Information Sciences Project	3
CMIS 179 Cybersecurity Fundamentals	3
or CMIS 218 Information Security	
<b>Electives</b>	
Select 17 credits of the following:	17
Any CMIS, BMGT, MATH, BIOT, GRPH, FILM, MEDA, or MUSC course(s)	
EMGT 101 Disaster, Crisis, and Emergency Management	
<b>Total Credits</b>	<b>60</b>

- Students holding CompTIA A+ Certification may be awarded 6 credits (CMIS 120 PC Operating Systems and CMIS 121 PC Repair & Diagnostics).
- Students holding CompTIA Network+ Certification may be awarded 3 credits (CMIS 280 Networking Fundamentals).
- Students holding CompTIA Security+ Certification may be awarded 3 credits (CMIS 281 Security Fundamentals).
- Students holding CCNA Certification may be awarded 9 credits (CMIS 290 Cisco 1 Introduction to Networks, CMIS 291 Cisco 2 Switching, Routing, and Wireless Essentials, and CMIS 292 Cisco 3 Enterprise Networking, Security, and Automation).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Cloud Computing Certificate (Career)

Program website ([https://www.frederick.edu/programs/information-technology/information-technology-\(2\).aspx](https://www.frederick.edu/programs/information-technology/information-technology-(2).aspx))

**Program Manager:** James Hatch  
**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)  
**Phone:** 301.624.2769

## Program Description

Prepares students with the knowledge and skills required to implement, adopt, and govern cloud computing systems. This certificate covers the objectives of five (5) professional certification exams:

- Amazon Web Services (AWS) Certified Cloud Practitioner,
- AWS Certified SysOps Administrator Associate

- CompTIA Cloud Essentials
- CompTIA A+
- CompTIA Network+

## Program Learning Outcomes

- Evaluate and select appropriate cloud computing solutions.
- Develop and deploy cloud application using popular cloud platforms.
- Design and develop scalable cloud-based applications.
- Compare, contrast, and evaluate the trade-offs between multiple approaches to cloud system design.
- Identify appropriate design choices when solving real-world cloud computing problems.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CMIS 111V	Virtualization and Cloud Essentials	3
CMIS 120	PC Operating Systems	3
CMIS 121	PC Repair Diagnostics	3
CMIS 266	Cloud System Administration	3
CMIS 280	Networking Fundamentals	3
or CMIS 290	Cisco 1 Introduction to Networks	
CMIS 295	Cloud Security	3
<b>Total Credits</b>		<b>18</b>

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Computer Studies Certificate (Career)

Program website (<https://www.frederick.edu/programs/information-technology/computer-studies.aspx>)

**Program Manager:** James Hatch  
**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)  
**Phone:** 301.624.2769

## Program Description

Designed for students seeking to build skills in the field of computer studies. Involves defining and analyzing problems and developing, testing, and maintaining programs by incorporating a broad range of transferable problem-solving skills and techniques including logical thinking, creative design, synthesis, and evaluation.

## Program Learning Outcomes

- Prepare a plan that addresses organizational needs.
- Identify problem requirements that demonstrate understanding of user and technical needs.
- Design problem solutions that solve the requirements.
- Integrate hardware, software, and security models that facilitate project outcomes.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CMIS 106	Object Design and Programming	3
CMIS 120	PC Operating Systems	3
CMIS 203	Systems Analysis Design	3
CMIS 121	PC Repair Diagnostics	3
CMIS 218	Information Security	3
or CMIS 179	Cybersecurity Fundamentals	
<b>Electives</b>		
Select 6 credits of the following:		6
Any BMGT course		
Any CMIS course		
Any INTR course		
Total Credits		21

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Computer Support Specialist Certificate (Career)

Program website (<https://www.frederick.edu/programs/information-technology/computer-studies.aspx>)

**Program Manager:** James Hatch  
**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)  
**Phone:** 301.624.2769

## Program Description

Prepares students for a career as a computer support specialist. Computer support specialists provide help and advice to people and organizations using computer software or equipment.

## Program Learning Outcomes

- Identify problem requirements that demonstrate understanding of user and technical needs.
- Analyze alternative solutions.
- Design problem solutions that solve the requirements.
- Integrate hardware, software, and communications models.

## Program Requirements

Code	Title	Credits
<b>Departmental Requirements</b>		
CMIS 120	PC Operating Systems	3
CMIS 280	Networking Fundamentals	3
or CMIS 290	Cisco 1 Introduction to Networks	
CMIS 200	IT Support Services	3
CMIS 121	PC Repair Diagnostics	3
<b>Electives</b>		
Select 6 credits from any CMIS courses		6
Total Credits		18

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Healthcare Information Technology Certificate (Career)

*The Healthcare Information Technology certificate is being discontinued. No new students will be admitted to the program.*

## Software Specialist Certificate (Career)

Program website ([https://www.frederick.edu/programs/information-technology/information-technology-\(2\).aspx](https://www.frederick.edu/programs/information-technology/information-technology-(2).aspx))

*The Software Specialist certificate is being discontinued. No new students will be admitted to the program.*

## Network Engineering Area of Concentration within STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/information-technology/information-technology-\(2\).aspx](https://www.frederick.edu/programs/information-technology/information-technology-(2).aspx))

**Program Manager:** James Hatch  
**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)  
**Phone:** 301.624.2769

## Program Description

Prepares students for entry-level positions in the network engineering field. Students gain the knowledge and skills required to implement and maintain a defined network and will be able to configure, maintain, and troubleshoot network devices using network tools as well as analyze network traffic to make solution recommendations.

## Program Learning Outcomes

- Prepare a networking plan and identify problem requirements that demonstrate understanding of administrative and technical needs.
- Analyze alternative networking solutions to determine the optimal result.
- Design and document networking solution that solves the requirements.
- Integrate hardware, software, networking technologies and security models that facilitate project outcomes.
- Maintain the hardware, software, networking technologies and security implementation of an existing network.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).

- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

- Students holding CompTIA Security+ Certification may be awarded 3 credits (CMIS 281 Security Fundamentals).
- Students holding CCNA Certification may be awarded 9 credits (CMIS 290 Cisco 1 Introduction to Networks, CMIS 291 Cisco 2 Switching, Routing, and Wireless Essentials, and CMIS 292 Cisco 3 Enterprise Networking, Security, and Automation).

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Network Engineer Certificate (Career)

Program website ([https://www.frederick.edu/programs/information-technology/information-technology-\(2\).aspx](https://www.frederick.edu/programs/information-technology/information-technology-(2).aspx))

*The Network Engineer certificate is being discontinued. No new students will be admitted to the program.*

## Software Engineering Area of Concentration within STEM Technology A.A.S. (Career)

Program website ([https://www.frederick.edu/programs/information-technology/information-technology-\(2\).aspx](https://www.frederick.edu/programs/information-technology/information-technology-(2).aspx))

**Program Manager:** James Hatch  
**Email:** [jhatch@frederick.edu](mailto:jhatch@frederick.edu)  
**Phone:** 301.624.2769

## Program Description

Trains graduates with the necessary software development skills to plan, analyze, design, validate, implement, deploy, and manage software systems. This program covers system development life cycle, object oriented programming, mobile app development, C++, C#, Java, Python, R, SAS, and database management systems. The program is designed to prepare graduates with a career as a programmer, software architect, software developer, software engineer, or systems analyst.

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 120	Statistics	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70) - Recommended course(s) below:		3
PHIL 208	Business Ethics	
PHIL 101	Introduction to Philosophy	
Communication Elective (Gen Ed course list) (p. 69) - Recommended course(s) below:		3
COMM 105	Small Group Communication (satisfies cultural competence requirement)	
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
BMGT 281	Global Awareness in the Work Environment	3
CMIS 120	PC Operating Systems	3
CMIS 106	Object Design and Programming	3
CMIS 203	Systems Analysis Design	3
CMIS 121	PC Repair Diagnostics	3
CMIS 179	Cybersecurity Fundamentals	3
or CMIS 218	Information Security	
CMIS 290	Cisco 1 Introduction to Networks	3
CMIS 291	Cisco 2 Switching, Routing, and Wireless Essentials	3
CMIS 292	Cisco 3 Enterprise Networking, Security, and Automation	3
CMIS 294	Cybersecurity Operations	3
<b>Electives</b>		
Select eight credits of the following:		8
Any CMIS or BMGT or MATH courses		
Total Credits		60

- Students holding CompTIA A+ Certification may be awarded 6 credits (CMIS 120 PC Operating Systems and CMIS 121 PC Repair & Diagnostics).
- Students holding CompTIA Network+ Certification may be awarded 3 credits (CMIS 280 Networking Fundamentals).

of a 1-credit course. Students should check with an advisor before selecting this course.

- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
Mathematics Elective (Gen Ed course list) (p. 71) - Recommended course(s) below:		3
MATH 120	Statistics	
<b>Social &amp; Behavioral Sciences</b>		
Social & Behavioral Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Arts &amp; Humanities</b>		
Arts Elective (Gen Ed course list) (p. 69)		3
Humanities Elective (Gen Ed course list) (p. 70)		3
Communication Elective (Gen Ed course list) (p. 69)		3
<b>Biological &amp; Physical Sciences</b>		
Biological & Physical Sciences Elective (Gen Ed course list) (p. 71)		3
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Concentration Courses</b>		
CMIS 106	Object Design and Programming	3
CMIS 119	Statistical Analysis System (SAS)	3
CMIS 201	Computer Science I	4
CMIS 203	Systems Analysis Design	3
CMIS 208	C++ Programming	3
CMIS 225C	Computer Programming Language: Mobile Applet Programming	3
CMIS 226	Game Scripting	3
CMIS 227	Game Programming	4
CMIS 230	Database Management Systems	3
CMIS 256	Statistical Computing	3
<b>Electives</b>		
Select six credits of the following:		6
Any CMIS or BMGT or MATH courses		
Total Credits		60

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

## Surgical Technology

Program website (<https://www.frederick.edu/programs/healthcare/surgical-technology.aspx>)

**Program Manager:** Nancy Dankanich

**Email:** [ndankanich@frederick.edu](mailto:ndankanich@frederick.edu)

**Phone:** 301.846.2506

- Surgical Technology A.A.S (Career) (p. 158)

## Surgical Technology A.A.S (Career)

Program website (<https://www.frederick.edu/programs/healthcare/surgical-technology.aspx>)

**Program Manager:** Nancy Dankanich

**Email:** [ndankanich@frederick.edu](mailto:ndankanich@frederick.edu)

**Phone:** 301.846.2506

## Program Description

Provides the theory and skills essential for employment in the profession of surgical technology. The fundamental principles, practices, and protocols are applied during extensive clinical experiences in the operating room environment. Accreditation from the Commission on Accreditation of Allied Health Education Programs (CAAHEP) program graduates to apply for the national certifying examination in surgical technology.

Enrollment is limited. See the Surgical Technology section under Special Programs of Study (p. 29) for application information.

A grade of "C" or better must be earned in all courses.

## Program Learning Outcomes

- Demonstrate ability to comprehend, apply, and evaluate information pertinent to the practice of surgical technology (cognitive domain).
- Perform, independently, skills required for employment as an entry-level practitioner (psychomotor domain).
- Exhibit professional behaviors consistent with college and employer standards for a surgical technologist (affective domain).

## Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (p. 72).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. <http://artsys.usmd.edu/>
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must complete a minimum of nine credits at the 200-level.

Code	Title	Credits
<b>English</b>		
ENGL 101	English Composition	3
<b>Mathematics</b>		
MATH 120	Statistics (or higher MATH course)	3
Select MATH 120 or higher from the Mathematics Elective (Gen Ed course list) (p. 71)		
<b>Social &amp; Behavioral Sciences</b>		
PSYC 101	General Psychology	3
or SOCY 101		Introduction to Sociology
<b>Arts &amp; Humanities</b>		
Communication Elective (Gen Ed course list) (p. 69) (COMM required)		3

<b>Biological &amp; Physical Sciences</b>		
BSCI 201	Anatomy and Physiology I	4
BSCI 202	Anatomy and Physiology II	4
<b>Physical Education, Health, or Nutrition Requirement</b>		
Select one PHED, HLTH, or NUTR course		1
<b>Departmental Requirements</b>		
MEDA 108 or MEDA 109	Basic Medical Terminology Medical Terminology	1
SURG 120	Surgery Essentials	3
SURG 125	Fundamentals of Surgical Technology I	6
SURG 130	Introduction to Surgical Technology (satisfies cultural competence requirement)	6
SURG 135	Fundamentals of Surgical Technology II	5
SURG 200	Fundamentals of Surgical Technology III	6
SURG 205	Fundamentals of Surgical Technology IV	6
Electives <sup>1</sup>		6
Total Credits		60

1

Electives may include a 4-credit prerequisite course (BSCI 150 Principles of Biology I or CHEM 101 General Chemistry I) taken prior to enrolling into BSCI 201 Anatomy and Physiology I.

BSCI 55 Preparation for Allied Health, *Preparation for Allied Health, a 0-credit preparatory science course, can be taken instead of one of the elective courses above. Students should consult an advisor to select the appropriate course.*

## Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (<https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx>).

# CREDIT COURSE DESCRIPTIONS

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Please note that all courses listed are not offered every semester. Check the current schedule of classes (<https://www.frederick.edu/class-schedules/html-schedule.aspx>) for course offerings.

Effective summer 2019, most credit courses have been renumbered. The former course numbers are listed in the course descriptions when applicable. A reference document of the old and new course numbers can also be found on the web at [www.frederick.edu/class-schedules.aspx?cid=schedules-top-link](http://www.frederick.edu/class-schedules.aspx?cid=schedules-top-link) (<http://www.frederick.edu/class-schedules.aspx?cid=schedules-top-link>).

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- Accounting (ACCT) (p. 162)
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## B

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## E

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## Time Commitment for Academic Success

At Frederick Community College, in all credit courses, students are expected to invest a minimum of two hours completing out-of-class course work for every hour of in-class instructional time. For example, in a 3-credit course, students experience at least 37.5 hours of instructional time and should invest a minimum of 75 hours in out-of-class time preparing for the course and completing assignments. In a traditional 15-week, 3-credit course, this equates to an average minimum of 5 hours per week. For online and hybrid courses, students can expect active instructional time and 'out-of-class' course work comparable to face-to-face courses with the same number of credits.

## Course Blackboard Requirements

Some course sections may require access to the course Blackboard website. Students enrolled in those courses are expected to participate through the Blackboard format using their own or appropriate college-available computers.

## Academic and Career Engagement (ACCE)

### ACCE 101 - College Success Tools (1)

(formerly ACE 102)

Introduces students to tools, strategies, and resources designed to help build stronger academic foundations and make informed choices that will lead to college success. Students will plan their academic path, improve their study habits, and connect to campus and online resources to enhance their educational experience and achieve their goals.

### ACCE 107 - Choosing a Major or Career (1)

(formerly ACE 111A)

Introduces the career planning process, focusing on students' individualized career planning needs, decision-making, and goal setting. The course utilizes varied resources and tools that support personal and career assessment and exploration.

### ACCE 108 - Job Search and Workplace Basics (1)

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or (ESOL 70 and ESOL 71) or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly ACE 111B)

Develops key strategies to help students find satisfying work. Students will learn how to connect their employment objectives to their education and work experience. Topics include resume writing, interviewing, job search skills, and workplace basics.

### ACCE 110 - Academic Engagement Seminar (3)

Gen Ed Emerging Issues, Cultural Competence

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or (ESOL 70 and ESOL 71) or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly ACE 101)

Introduces first-year students to current, real-world issues as they advance their critical thinking, communication, and research skills. Students will explore questions of local, national, and global significance through multicultural contexts, while building relationships with their classmates, instructor, and other college personnel. Additionally, students will use campus resources and co-curricular events to enhance their educational experience and foster their college success.

### ACCE 110H - Academic Engagement Seminar (3)

Gen Ed Emerging Issues, Cultural Competence

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or (ESOL 70 and ESOL 71) or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly ACE 101)

Introduces first-year students to current, real-world issues as they advance their critical thinking, communication, and research skills. Students will explore questions of local, national, and global significance through multicultural contexts, while building relationships with their classmates, instructor, and other college personnel. Additionally, students will use campus resources and co-curricular events to enhance their educational experience and foster their college success.

### ACCE 130 - Career Assessment and Planning (3)

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or (ESOL 70 and ESOL 71) or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly ACE 110)

Develops critical methods needed to make a satisfying career decision based on research and goal setting strategies that lead to personal and professional success. Students will acquire the skills needed to make informed choices about their education and career. Students will evaluate their strengths, values, interests, and personality in order to identify possible career options. Students will learn techniques for researching career options and making decisions about their future while creating a learning/career portfolio upon which they can build throughout their college career.

### ACCE 140 - Introduction to Leadership (3)

Gen Ed Emerging Issues

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly ACE 140)

Examines leadership through an analysis of various leadership qualities and styles in the fields of business, government, the law, and the military. By utilizing a wide variety of sources, including readings, films, and experiential exercises, students will explore the concept of leadership as well as developing/improving their own leadership skills.

### ACCE 150 - STEM Seminar 1 (1)

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

Introduces students to tools, strategies, and resources that improve study skills and connect students to campus. Students will build an academic plan and engage in STEM career explorations. This course may include off-campus learning opportunities that occur outside of regular course hours.

**ACCE 160 - STEM Seminar 2 (1)**

*Prerequisite: ACCE 150 and Prerequisite or Co-requisite: ENGL 101*

Builds on concepts from STEM Seminar 1. Students will develop information literacy and explore current research in their proposed field. Students are connected to technology training, practice scholarly presentations, and explore transfer institutions. This course may include off-campus learning opportunities that occur outside of regular course hours.

**ACCE 250 - Global Scholar Experience (3)**

Gen Ed Emerging Issues, Cultural Competence

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100 (formerly ACE 250 and ID 250)*

Develop cultural competency through short-term study abroad using a 'learn, travel, teach' model. The pre-trip component will introduce the concept of cultural competency, elements of culture, and an overview of the destination country's/ies' culture(s). During the study abroad portion, daily journaling or blogging will record and analyze the travel experience. Post-trip, a multimedia cultural competency project will be completed with faculty supervision and presented to an audience. Students who successfully complete all course requirements will be awarded a Global Scholar Certificate.

**ACCE 260 - STEM Seminar 3 (1)**

*Prerequisite: ACCE 160 or permission of instructor*

Builds on concepts from STEM Seminar 2. Introduces experimental design. Students will create a resume or curriculum vitae, solicit letters or reference, explore internships, and apply to transfer institutions or explore career opportunities. Students will participate in guided mentoring of first year STEM students. This course may include off-campus learning opportunities that occur outside of regular course hours.

**ACCE 270 - STEM Seminar 4 (1)**

*Prerequisite: ACCE 260 or permission of instructor*

Builds on concepts from STEM Seminar 3. Using journaling, students will reflect on their FCC coursework and experiences as they prepare for entry into careers or for transfer, and will practice scholarly research and presentation skills. Students will participate in guided mentoring of first year STEM students. This course may include off-campus learning opportunities that occur outside of regular course hours.

## Accounting (ACCT)

**ACCT 100 - Business Accounting (3)**

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 70 or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*

Demonstrates the accounting principles and procedures used by a business in setting up and maintaining records for reporting purposes. Topics include the accounting cycle, preparation of the financial statements, payroll and banking procedures, and computerized recordkeeping.

**ACCT 101 - Principles of Accounting I (3)**

*Prerequisites: ENGL 70 OR (ESOL 70 and ESOL 71) OR ESOL 100*

Introduces financial accounting principles and procedures related to accounting theory and practice. The recording of transactions under generally accepted accounting principles (GAAP) and the analysis of financial statements are covered from a user's perspective.

**ACCT 102 - Principles of Accounting II (3)**

*Prerequisite: ACCT 101*

Continues the study of financial accounting with an examination of the Statement of Cash Flows and the analysis of financial statements. Introduces managerial accounting concepts used for planning and controlling the business enterprise.

**ACCT 111 - Computerized Accounting (3)**

*Prerequisites: CMIS 101 and (ACCT 100 or ACCT 101)*

Demonstrates the use of commercial software in managing the accounting functions of a business enterprise. Using a hands-on approach, students will learn how to set up a fully integrated accounting system to record sales invoices, collections, purchase invoices, disbursements, and payroll transactions. Students will also set up and maintain inventory and accounts receivable/payable subsidiary ledgers and prepare financial reports.

**ACCT 117 - Payroll Accounting (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND (ACCT 100 or ACCT 101)*

Examines the concepts, regulations, laws and procedures related to payroll accounting. The course is comprehensive and detailed to prepare students to be competent to account for the payroll of all businesses. Includes hands-on preparation of all payroll forms, schedules, records, and applications of different systems.

**ACCT 201 - Intermediate Accounting I (4)**

*Prerequisites: (ACCT 100 and ACCT 101) or (ACCT 101 and ACCT 102)*

Reviews generally accepted accounting principles and the conceptual framework of financial accounting. Provides an intensive study of accounting procedures, work papers, financial statement preparation, and disclosure of financial statement items. Analyzes revenue recognition concepts and the proper accounting for cash, receivables, and inventories.

**ACCT 202 - Intermediate Accounting II (4)**

*Prerequisites: (ACCT 100 and ACCT 101) or (ACCT 101 and ACCT 102) or ACCT 201*

Provides an intensive study of accounting for tangible and intangible assets, current and non-current liabilities, stockholders' equity, and investments. Emphasis is placed on proper accounting and financial statement disclosure of earnings per share, leases, deferred income taxes, and accounting changes, with an analysis of time value of money applications.

**ACCT 203 - Managerial Cost Accounting (3)**

*Prerequisite: ACCT 101*

Presents accounting information that is used by managers for planning, directing and controlling the business. Both short-term operational planning and long-term strategic planning concepts are covered. Specific topics include accounting for product costs vs. period costs, job-order costing and process costing, cost behavior analysis, Cost-Volume-Profit (CVP) decision making, activity-based and standard costing, and capital budgeting.

**ACCT 205 - Federal Income Tax Accounting (3)**

*Prerequisites: ACCT 100 or ACCT 101*

Covers current federal revenue acts as they relate to business and individual tax procedures. Includes income inclusions and exclusions, exemptions, capital gains and losses and business and individual deductions. Encourages use of tax forms but requires independent analysis of taxable status and handling income-expense items.

**ACCT 206 - Federal Taxation: Corporations and Partnerships (3)**

*Prerequisite:* ACCT 205

Focuses on the federal taxation rules as they apply to corporations, partnerships, estates and trusts.

**ACCT 214 - Auditing (3)**

*Prerequisites:* (ACCT 100 and ACCT 101) or (ACCT 101 and ACCT 102)

Examines auditing principles and their application to the examination of financial statements. Special attention to authoritative pronouncements, internal control, auditing procedures and working papers as well as professional ethics and responsibilities. Students perform an auditing case study outside of class.

**ACCT 216 - Governmental and Not-for-Profit Accounting (3)**

*Prerequisites:* (ACCT 100 and ACCT 101) or (ACCT 101 and ACCT 102)

Introduces the environment, characteristics, principles, and practices associated with governmental and not-for-profit accounting. Major areas explored include fund accounting, fund types, revenue and expenditure recognition, and financial reporting.

**ACCT 233 - Applied Accounting (3)**

*Prerequisites:* ACCT 111, ACCT 201, and CMIS 111E

Provides students with hands-on experiences completing the daily duties and tasks required of a staff accountant. During the first half of the course, students review the accounting concepts related to the duties and tasks. During the second half of the course, students apply their knowledge of accounting principles and procedures to complete the duties and tasks. Students work in a simulated business environment using accounting application software.

## American Sign Language Interpreting (INTP)

**INTP 104 - Introduction to Interpreting (3)**

*Prerequisite:* Grade of B or better in ASLS 224 or ASLS 203; *Co-requisite:* ASLS 225 and INTP 112

(formerly ITR 104)

Introduces students to the profession of sign language interpreting. Covers the history of interpreting as a field of professional practice, the ethical and performance standards, the impact of legislation on the field, the phenomena of cross cultural dynamics, knowledge of environmental conditions, and the role of the interpreter as cultural mediator.

**INTP 112 - Foundations of Interpreting (3)**

*Prerequisite:* Grade of B or better in ASLS 224 or ASLS 203; *Co-requisites:* ASLS 225 and INTP 104

(formerly ITR 112)

Introduces students to the theory and application of the interpreting process. Students will practice receptive skills and process tasks needed for interpretation. Focus will primarily be on intralingual language exercises including shadowing, prediction and anticipation, memory enhancement, text analysis for goal and main points, and paraphrasing. Process models and descriptions will be covered and application will be provided to observed interpretations. Exercises will be conducted in both English and ASL. The goal of the course is to develop cognitive processing skills involved in the interpreting process.

**INTP 114 - Consecutive Interpreting (3)**

*Prerequisites:* Grade of B or better in ASLS 225, INTP 104, and INTP 112; *Co-requisites:* ASLS 230 and ASLS 232

(formerly ITR 114)

Develops consecutive interpreting skills and prepares students for the simultaneous interpreting process. Students will compare ASL and English semantic/syntactic structures to the consecutive interpreting process. Focus in the course will be on source and target text analysis, vocabulary expansion, and interpreting process skill development.

**INTP 212 - ASL to English Interpreting I (3)**

*Prerequisites:* Grade of B or better in ASLS 230 and (ASLS 232 or ASLS 211), and INTP 114; *Co-requisites:* INTP 214, INTP 216, and INTP 228

(formerly ITR 212)

Focuses on the process of interpretation, provides practice of requisite skills and process tasks and applies skills and interpreting theory to the translation process. The course of study focuses on lexical development, syntactical language comparisons, voice production techniques, text/discourse/interpreting process analysis, semantic mapping, and diagnostic assessment.

**INTP 214 - English to ASL Interpreting I (3)**

*Prerequisites:* ASLS 230 and (ASLS 232 or ASLS 211) or INTP 114; *Co-requisites:* INTP 212, INTP 216, and INTP 228

(formerly ITR 214)

Provides in-depth study and practice of ASL/English interpretation through the understanding and use of the simultaneous mode of interpreting. Provides techniques of translating the source language, English to the target, and American Sign Language (ASL) in a simultaneous manner.

**INTP 216 - Transliterating I (3)**

*Prerequisites:* Grade of B or better in ASLS 230 and (ASLS 232 or ASLS 211) and INTP 114; *Co-requisites:* INTP 212, INTP 214, and INTP 228

(formerly ITR 216)

Covers the process of transliteration. The process moves along a continuum from ASL to a signed form of English. Specific subtasks are isolated in order to focus on transliterating skill development, enhancing component skills, and incorporating ASL features. These skills are integrated into the performance of beginning to intermediate tasks.

**INTP 222 - ASL to English Interpreting II (3)**

*Prerequisites:* Grade of B or better in INTP 212, INTP 214, INTP 216, and INTP 228; *Co-requisites:* INTP 224, INTP 226, and INTP 230

(formerly ITR 222)

Provides students with additional practice in specific skill areas related to ASL to English interpretation. Text/discourse/process analysis, lexical and syntactic development, and voice production techniques for simultaneous ASL to English interpretation. Course content is at an intermediate to advanced level of speed and complexity. Students will work primarily from videotaped language models.

**INTP 224 - English to ASL Interpreting II (3)**

*Prerequisites:* Grade of B or better in INTP 212, INTP 214, INTP 216, and INTP 228; *Co-requisites:* INTP 222, INTP 226, and INTP 230

(formerly ITR 224)

Allows students to continue practicing rendering the target language (ASL) from the source language (English) simultaneously. Provides preparation for Internship. Continued emphasis and focus is on appropriate use of lexical and syntactic principles and non-manual behaviors of ASL.

**INTP 226 - Transliterating II (3)**

*Prerequisites:* Grade of B or better in INTP 212, INTP 214, INTP 216, and INTP 228; *Co-requisites:* INTP 222, INTP 224, and INTP 230 (formerly ITR 226)

Expands the process of visually representing English. Students will focus on the expansion and enhancement of transliterating skills at the English end of the ASL-English continuum. Students will incorporate ASL features into intermediate to advanced level texts presented in a simultaneous mode.

**INTP 228 - Interpreting Environments (1)**

*Prerequisites:* Grade of 'B' or better in ASLS 230, (ASLS 232 or ASLS 211), and INTP 114; *Co-requisites:* INTP 212, INTP 214, and INTP 216

Increases knowledge of environment/setting specific terminology and expectations. Discusses the roles and responsibilities within team interpreting. Briefly discusses various interpreting environments.

**INTP 230 - Internship Seminar & Interpreting Environments (1)**

*Prerequisites:* Grade of B or better in INTP 212, INTP 214, INTP 216, and INTP 228; *Co-requisites:* INTP 222, INTP 224, and INTP (formerly ITR 230)

Increases students' awareness of the requirements, guidelines, professional practices, and types of placements for field experience. Students will discuss protocol, skills, ethics, and business practices needed for specific site placements. Discusses the roles and responsibilities within team interpreting. Briefly discusses various interpreting environments.

## American Sign Language Studies (ASLS)

**ASLS 121 - American Sign Language I (3)**

Gen Ed Humanities  
(formerly ASLS 102)

Presents the basic skills used in American Sign Language. Includes vocabulary and grammar related to the exchange of personal information, introductions, and negotiating the environment of sign conversation. Uses workbooks and videotapes. (First of four courses in ASL. Credit by examination is available.)

**ASLS 122 - American Sign Language II (4)**

Gen Ed Humanities

*Prerequisite:* ASLS 121 or ASLS 102  
(formerly ASLS 103)

Continues the American Sign Language sequence and further develops communication competencies in sign language above the basic level. Introduces transcription symbols, sentence types, time pronominalization, subjects and objects, classifiers, locatives, pluralization, and temporal and distributional aspects. Develops receptive/expressive skills. Features additional information about the Deaf community and Deaf culture.

**ASLS 123 - American Sign Language Fingerspelling and Number Use (3)**

*Prerequisite:* Grade of B or better in ASLS 122 or ASLS 103  
(formerly ASLS 100)

Provides an in-depth study of American Sign Language Fingerspelling and Numbering. ASL Fingerspelling and Numbering is a crucial component of ASL. Focuses on developing receptive and expressive fingerspelling and numbering skills. Through class activities, this course covers names of people, cities, states, titles of books, movies, brand names, and lexicalized fingerspelling. This course also covers five systems in ASL Number Use: cardinal, ordinal, incorporation, unique, and sports system.

**ASLS 124 - Introduction to Deaf Community and History (3)**

Gen Ed Emerging Issues, Cultural Competence  
(formerly ASLS 106)

Introduces students to the American Deaf Community through historical events. Topics include the development of American Sign Language, modes of communication, laws concerning Deaf people, professions within the Deaf community, education of Deaf children, and the importance and value of Deaf Culture.

**ASLS 223 - American Sign Language III (4)**

Gen Ed Humanities

*Prerequisite:* Grade of B or better in ASLS 122 or ASLS 103  
(formerly ASLS 202)

Continues the American Sign Language sequence, with an expansion of conversational language skills as the medium and communication. Students will also get extensive exposure to the Deaf culture information. Each of the five units in this text revolves around a major language function: locating things around the house; complaining and making requests; talking about life events, nationalities, and family histories; describing objects; and talking about the weekend. The language learned through this communicative approach is the language used in everyday conversation. By learning language functions in interactive contexts, conversational skills are developed in confirming and correcting information; opening and closing conversations; asking for clarification; agreeing, declining, or hedging; and using appropriate response behaviors.

**ASLS 224 - American Sign Language IV (4)**

Gen Ed Humanities

*Prerequisite:* Grade of B or better in ASLS 223 or ASLS 202  
(formerly ASLS 203)

Continues the American Sign Language sequence. Features comprehension in medium and longer stories, narratives, and dialogues presented by the instructor and deaf ASL users. Students express self-generated stories. Presents hypothetical issues and problems. Includes interaction with the Deaf community in both directed and non-directed activities.

**ASLS 225 - American Sign Language V (4)**

Gen Ed Humanities

*Prerequisites:* Grade of B or better in ASLS 224 or ASLS 203  
(formerly ASLS 207 experimental)

Presents the advanced skills used in American Sign Language. Includes vocabulary and grammar related to the exchange of storytelling, ASL idioms, analyzing ASL concepts, and more complicated ASL skills. This is the last of a five-semester ASL sequence. Skills developed from previous courses allow students to share personal and biographical stories and retell stories with simple plots, such as children's stories. Students will increase their understanding of a competence in using conversational strategies and culturally appropriate interaction skills.

**ASLS 230 - Deaf Culture and Oppression (3)**

*Prerequisites:* (ASLS 124 or ASLS 106) and (Grade of 'B' or better in ASLS 224 or ASLS 203); *Co-requisites:* ASLS 232 and INTP 114

Examines the unique culture of the Deaf Community. Some topics covered include attitudes from and towards the Deaf, values (family, social, political), humor, storytelling, athletics, performing arts, jokes, organizations, clubs, educational issues, and the diversity of membership. Reviews how new advances in technology have changed the culture. This course also examines various forms of oppression by looking across different cultures and communities, then examines possible parallels occurring within the deaf community.

**ASLS 232 - ASL Linguistics (3)**

*Prerequisites:* Grade of B or better in ASLS 225, INTP 104, and INTP 112; *Co-requisite:* ASLS 230 and INTP 114

(formerly ASLS 211)

Introduces students to the linguistics of American Sign Language (ASL) and English. Provides an introductory study of the phonological, morphological, lexical, syntactic, and discourse. Reviews the similarities and differences between signed languages and spoken languages. Introduces basic theories regarding ASL structure and emphasizes ASL status as a natural language by comparing and contrasting similarities and unique differences between the two.

**ASLS 250 - ASL Immersion Experience (1)**

*Prerequisite:* Grade of C or better in ASLS 223 or ASLS 202

Provides American Sign Language students with an opportunity to gain knowledge and skills from a planned "outside the classroom" experience with native ASL users in the community. In addition to meeting the Core Learning Outcomes, students will gain invaluable language experience in an immersion experience.

**ASLS 299 - Independent Study: American Sign Language Studies (1-3)**

## Anthropology (ANTH)

**ANTH 101 - Introduction to Anthropology (3)**

Gen Ed Anthropology, Cultural Competence

*Prerequisites:* ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly AN 101)

Presents general patterns of the development of human culture and the basic principles of social anthropology and ethnology. Provides field work experience and emphasizes concepts of the modern practical views of anthropology.

**ANTH 103 - Introduction to Archeology (3)**

Cultural Competence

*Prerequisites:* ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly AN 103)

Emphasizes archaeological tools, methods, interests and interpretations. Techniques of recording, preserving and organizing data will be practiced. Involves scouting of sites, test diggings and research of the known historical past. Provides a field study of the area.

## Art (ARTT)

**ARTT 100 - Introduction to the Creative Arts (3)**

Gen Ed Arts, Cultural Competence

*Prerequisites:* ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly AR 100)

Introduces students to the areas of visual arts, dance, music, and theater through an exploration of representative works with a global perspective. The study of the creative arts will develop critical appreciation for the arts, enhance self-expression, and provide a better understanding of the human experience. Attendance at an art exhibition and two different live performances is required. The course meets the Maryland state approved Associate of Arts in Teaching degree.

**ARTT 101 - Foundations of Studio Art I (3)**

Gen Ed Arts

*Prerequisite:* ENGL 70 or (ESOL 70 and ESOL 71) OR *Prerequisites or Co-requisites:* ENGL 75 or ESOL 100

(formerly AR 101)

Introduces the elements of composition and the principles of design. Through theories, practices, and drawing techniques of two-dimensional design, this course will develop skills critical to fine artists, illustrators, graphic designers, and those interested in organizing visual information necessary to engage in creative problem solving. Students will acquire the visual literacy needed to create and assess works of art. Students will work primarily in black and white. Students must furnish supplies.

**ARTT 102 - Foundations of Studio Art II (3)**

*Prerequisite:* ARTT 101

(formerly AR 102)

Builds on the design concepts of ARTT 101. Explores the principles of visual organization and communication using color and three-dimensional form.

**ARTT 103 - The History of Art: Non-Western (3)**

Gen Ed Arts, Cultural Competence

*Prerequisites:* ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly AR 103)

Surveys the major developments in painting, sculpture, and architecture created in non-western cultures around the world. Emphasizes a global perspective and illuminates the historical/artistic interaction of world cultures. Provides an overview of the visual arts created in India, China, Japan, Islam, Africa, Oceania, and the pre-Columbian cultures of North and South America. A visit to an art museum is required.

**ARTT 104 - The History of Art: Prehistoric to Early Renaissance (3)**

Gen Ed Arts, Cultural Competence

*Prerequisites:* ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly AR 104)

Surveys the major developments in painting, sculpture, and architecture from prehistoric times to the Italian Renaissance. Explores multi-cultural diversity through the study of the history of civilization, religion, myth, literature, politics, and the human condition as manifested in the visual arts. A visit to an art museum is required.

**ARTT 105 - The History of Art: Renaissance to Modern (3)**

Gen Ed Arts, Cultural Competence

*Prerequisites:* ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly AR 105)

Surveys the major developments in painting, sculpture and architecture from the Italian Renaissance to the present. Explores multi-cultural diversity through the study of the history of civilization, religion, myth, literature, politics and the human condition as manifested in the visual arts. A visit to an art museum is required.

**ARTT 106 - Drawing I (3)**

Gen Ed Arts

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly AR 106)

Introduces the development of observational skills and rendering techniques through the use of still life and other subject matter. Develops an understanding of the elements of composition and arts vocabulary. These skills will be used to assess works of art. Students will work primarily in black and white, though color pastels may be explored. Students must furnish supplies.

**ARTT 107 - Drawing II (3)***Prerequisite: ARTT 106*

(formerly AR 107)

Continues ARTT 106 with advanced analysis of problems involved in drawing. Introduces new materials and avenues of expression with a special emphasis on color. Students will further develop and refine drawing techniques while exploring personal content and style. Students must furnish supplies.

**ARTT 108 - Introduction to Color Theory and Design (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly AR 115)

Introduces students to the basic principles and elements of color theory. Through lectures, still images, and in-class studio work, students will develop an awareness of color and a deeper understanding of color theory and practice. Topics include the scientific, psychological, and aesthetic aspects of color. Historic examples of color trends in art and design will also be discussed.

**ARTT 110 - Introduction to Watercolor I (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly AR 207)

Introduces transparent watercolor techniques including wash and dry brush, ink, and watercolor and expanded uses intermixing with mixed media.

**ARTT 111 - Watercolor II (3)***Prerequisite: ARTT 110*

(formerly AR 210)

Expands techniques developed in ARTT 110 emphasizing personal expression in watercolor painting. Explores the various advanced methods in watercolor painting, observing works of traditional and contemporary artists.

**ARTT 113 - Pottery I (3)**

Gen Ed Arts

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly AR 113)

Explores clay as a medium for the expression of art. Uses various production techniques, decorating and glazing methods to achieve well-conceived and designed objects of ceramic art.

**ARTT 114 - Pottery II (3)***Prerequisite: ARTT 113*

(formerly AR 114)

Advances the study of the nature of ceramic art. Skills and techniques learned in Pottery I are refined and advanced. Chemical information and historical traditions are elaborated upon to prepare the student for the production of fine ceramic art.

**ARTT 119 - Pottery: The Wood Kiln (3)***Prerequisite: ARTT 113*

(formerly AR 119)

Explores wood-firing as a medium for the expression of ceramic art. Uses various production techniques, decorating and glazing techniques, along with wood kiln firing methods to achieve well-conceived and well-designed objects of ceramic art.

**ARTT 204 - Illustration I (3)***Prerequisite: ARTT 106*

(formerly AR 204)

Concentrates on the development of hand skills and concepts, which are an important part of the magic of narrative picture making. Explores material resources and their proper use for visual communication. Students must furnish supplies.

**ARTT 205 - Illustration II (3)***Prerequisite: ARTT 204*

(formerly AR 205)

Develops individual style and interpretation. While class assignments are given, individual preferences are welcomed and encouraged. Considers illustration for books, social comment, etc. Study and discussion of slides and sometimes films on the work of past masters and current trends. Critiques and discussions on works in progress.

**ARTT 206 - Introduction to Figure Study (3)***Prerequisite: ARTT 106*

(formerly AR 206)

Offers an intensive study in drawing and painting of the human figure, action, volume, structure and anatomy.

**ARTT 207 - Painting I (3)***Prerequisite: ARTT 101 or ARTT 106*

(formerly AR 108)

Introduces the fundamental concepts and techniques of painting in oils or acrylic. Compositional problems based on still-life, interior and exterior space will be explored. Students must furnish supplies.

**ARTT 208 - Painting II (3)***Prerequisite: ARTT 207 or AR 108*

(formerly AR 109)

Continues ARTT 207 with advanced analysis of problems involved in oil and acrylic painting. Develops skills in the preparation of the canvas and in the production of representational, abstract, and other styles of paintings. Students must furnish supplies.

**ARTT 210 - Sculpture (3)***Prerequisite: ARTT 102 or ARTT 113*

(formerly AR 203)

Introduces students to a variety of sculptural practices. A number of methods for producing sculpture will be explored including both subtractive and additive processes. Sculpture's long and broad history will provide students with precedents for class projects and will connect student work to the continuum of art history. Students will provide all materials required for completion of projects.

**ARTT 220 - Intermediate Sculpture (3)***Prerequisite: ARTT 210 or AR 203*

(formerly AR 213)

Offers further investigation of material and techniques introduced in Sculpture. Assignments will focus on a limited number of concepts. This provides the students with a framework to begin the process of portfolio development and the opportunity to work in series. Students will provide all materials required for completion of projects.

## Biological Science (BSCI)

### **BSCI 55 - Preparation for Allied Health (0) [3]**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 70 and ESOL 71) or ESOL 100 OR (Co-requisite: ENGL 75 or ESOL 100) AND (appropriate score on mathematics placement test or Prerequisite or Co-requisite: any 100 level MATH course or higher)*

(formerly BI 55)

Presents basic science concepts and science study skills. A preparatory course for students who have limited science background.

### **BSCI 100 - Fundamental Concepts of Biology (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*

*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly BI 100)

Explores basic biological concepts involved in understanding the structure, function, and evolution of organisms. Introduces organization of living matter, metabolism, genetics, evolution, and ecology, and their application to everyday life. This one semester laboratory course is intended for non-STEM (science, technology, engineering, and math) majors, and is designed to provide students with an appreciation of biological concepts and their current applications. Meets the requirement for a general education science lab course.

### **BSCI 105 - Human Ecology (3)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*

*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly BI 202)

Investigates physical environments of human beings and the effect of technologies on the environment. Emphasizes small group investigations of air, water, and soil pollution and the rapidly expanding population as it affects the natural ecosystem within Frederick County and the Eastern seaboard. Some Friday or Saturday field trips may be required.

### **BSCI 106 - General Ecology (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*

*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly BI 201)

Provides an overview of the interactions among living things and their abiotic environments, emphasizing factors which affect the abundance and distribution of living things. The laboratory will focus on using field experiences to develop topics covered in the lecture. Meets the requirement for a general education science lab course. Some Friday or Saturday field trips may be required.

### **BSCI 107 - Study of the Human Body (3)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR*

*(Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*

*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly BI 117)

Examines the human body and its relationships to health, disease, and the environment. Covers basic concepts of anatomy, physiology, genetics, cancer, disease, immunology, aging, human evolution, and/or other related topics. For the non-science major. Students cannot receive credit for both BSCI 117 and BSCI 107.

### **BSCI 117 - Human Biology (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR*

*(Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*

*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly BI 107)

Presents a study of the human body and its relationships to health, disease, and the environment. Covers basic concepts of anatomy, physiology, genetics, cancer, disease, immunology, aging, human evolution, and/or related topics. For the non-science major. Meets the requirement for a general education science lab course. Students cannot receive credit for both BSCI 107 and BSCI 117.

### **BSCI 150 - Principles of Biology I (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 120 or higher credit level (non-A or S) MATH course)*

*OR (appropriate score on mathematics placement test)] \*MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly BI 101)

Explores the basic biological principles common to all living organisms, including biological chemistry, bioenergetics and metabolism, cellular and molecular biology, and classical and molecular genetics. Methods of scientific inquiry and data analysis are studied and practiced. BSCI 150 is the first of a two semester series that together with BSCI 160 is a comprehensive survey of modern biology and is intended for STEM (science, technology, engineering, and math) majors and pre-allied health majors. Meets the requirement for a general education science lab course.

### **BSCI 160 - Principles of Biology II (4)**

Gen Ed Science

*Prerequisite: BSCI 150 or BI 101*

(formerly BI 102)

Continues the comprehensive survey of modern biology begun in BSCI 150 with an emphasis on mechanisms of evolution, methods of phylogenetic reconstruction and analysis, diversity of life, and ecology. Surveys biological diversity of all eukaryotic domains and kingdoms, including the study of various anatomical, physiological, and behavioral adaptations for life in different habitats. Select vertebrate body systems are studied. Intended for STEM (science, technology, engineering, and math) majors, and pre-allied health majors. Meets the requirement for a general education science lab course.

**BSCI 201 - Anatomy and Physiology I (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 120 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)] AND (BSCI 55 or BSCI 150 or BI101 or BSCI 223 or BI 120 or CHEM 101) \*MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites (formerly BI 103)*

Presents a study of physiology according to the body systems approach. Emphasizes relationships between form and function at both the microscopic and gross levels of organization. Includes basic anatomical terminology, concepts of cell biology, histology, integumentary system, skeletal system, muscular system, nervous system, special senses, and endocrine system. BSCI 201 is the first course in a two-semester sequence and is intended for STEM (science, technology, engineering, and math) majors and pre-allied Health majors. Meets the requirement for a general education science lab course.

**BSCI 202 - Anatomy and Physiology II (4)**

Gen Ed Science

*Prerequisite: BSCI 201 or BI 103 (formerly BI 104)*

Presents a study of physiology according to the body systems approach. Emphasizes relationships between form and function at both the microscopic and gross levels of organization. Includes cardiovascular system, lymphatic system and immunity, respiratory system, digestive system and metabolism, urinary system, fluid/electrolyte balance, acid/base balance, and reproductive system. BSCI 202 is the second course in a two-semester sequence and is intended for STEM (science, technology, engineering, and math) majors and pre-allied health majors. Meets the requirement for a general education science lab course.

**BSCI 223 - Microbiology for Allied Health (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 120 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)] AND (BSCI 55 or BSCI 150 or BI101 or BSCI 201 or BI 103 or CHEM 101) \*MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites (formerly BI 120)*

Covers the basic principles of cell chemistry and microbiology with respect to human physiology. Includes cell physiology, growth and metabolism of microorganisms, important groups of pathogenic microorganisms, antimicrobial agents, immunology, and introductory biochemistry. Intended for allied health students. Meets the requirement for a general education science lab course.

**BSCI 240 - Genetics (4)**

*Prerequisites: (BSCI 150 or BI101) and CHEM 101 (formerly BI 240)*

Includes history of genetics, the chemical basis of heredity, the chromosomes and genes, probability, variation in gene structure, mutation, extrachromosomal systems and genes flow in populations. *This course is only offered in the Spring.*

**BSCI 263 - Elements of Microbiology (4)**

*Prerequisites: CHEM 101 and (BSCI 150 or BI 101 or BSCI 201 or BI 103) (formerly BI 203)*

Covers the basic principles of cell chemistry and microbiology with respect to human physiology. Includes cell physiology, growth and metabolism of microorganisms, important groups of pathogenic microorganisms, antimicrobial agents, immunology, and introductory biochemistry. Intended for allied health students.

## Biotechnology (BIOT)

**BIOT 102 - Introduction to Biotechnology (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly BPM 102)*

Presents the tenets of Current Good Manufacturing Practices (cGMPs) and regulations relevant to the biotechnology and bioprocessing manufacturing industries. Importance of inspections and monitoring are discussed. Work-related issues are introduced such as workplace conduct, employer expectations, company organization and policy, personal safety, and industrial hygiene. May include one or more mandatory field trips and/or guest lecturers.

*This course is only offered in the Fall.*

**BIOT 103 - Laboratory Techniques (1)**

*Prerequisites: High school biology or chemistry recommended AND [ENGL70 or ENGL75 or (ESOL72 and ESOL73) or ESOL 100] AND (MATH 101 or MATH 101A or higher or appropriate score on mathematics placement test) (formerly BPM 103)*

Focuses on the basic principles and procedures used in all laboratory courses. Includes safety, equipment usage, areas of the lab and testing involved, quality control/quality assurance, lab math, and professionalism.

*This course is only offered in the Fall.*

**BIOT 110 - Biotechnology Measurements (4)**

*Prerequisite or Co-requisite: BIOT 103 (formerly BPM 110)*

Examines methods of measurement and monitoring used in biotechnology. Emphasizes measurements of pH and temperature as well as spectrophotometry and biochemical and analytical methods.

*This course is only offered in the Spring.*

**BIOT 130 - Forensic Biology (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)] \*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites (formerly BI 130)*

Introduces the principles and concepts of the biological aspects of forensic science. Examines the role of the laboratory in criminal investigation and human identification using forensic pathology, serology, anthropology, molecular biology, and other specializations.

**BIOT 140 - Biotechnology and Society (3)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites  
(formerly BI 140)

Presents an overview of biotechnology and its scientific foundation through introductory investigations of the cell, protein structure and function, genetic expression, ecological and evolutionary interactions, and technological applications and issues. Introduces how science blends with consumer applications, regulatory information and social issues to provide a detailed perspective of the interrelationship among science, technology and society. May include one or more mandatory field trips, and/or guest lecturers.

**BIOT 214 - Techniques in Biotechnology and Bioprocessing (4)**

*Prerequisites: (BSCI 223 or BI 120 or BI 263 or BI 203) and (BIOT 102 and BIOT 110)*  
(formerly BPM 214)

Introduces practices used in the industry to manufacture a biological material or product, as well as problem-solving strategies. Emphasizes and demonstrates aseptic technique, upstream and downstream processes, and quality control through hands-on laboratory activities.  
*This course is only offered in the Fall.*

**BIOT 220 - Cell and Molecular Biology and Tissue Culture (4)**

*Prerequisites: (BSCI 150 or BI 101) and CHEM 101*  
(formerly BI 220)

Introduces cellular organization, regulation, energy transport, and division. Discusses gene expression and interaction in relation to cellular biology. Presents tissue culture in the laboratory setting as a medium for bioprocess manufacturing. May include one or more mandatory field trips and/or guest lecturers.

*This course is only offered in the Spring.*

## Building Trades (BLDT)

**BLDT 101 - Introduction to Building Trades (3)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or ESOL 70 or ESOL 72 or ESOL 100*  
(formerly BLD 101)

Introduces general aspects of building trades, the building process, and its phases. Emphasizes health and safety issues related to the building trades. Explores print reading, building design, building site planning, site preparation, and estimating as it relates to construction. Includes an overview of applicable equipment and materials required in the building trades.

**BLDT 110 - Fundamentals of HVACR (4)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or ESOL 70 or ESOL 72 or ESOL 100*  
(formerly BLD 109)

Covers fundamentals of heating, cooling, ventilation, humidity control, and basic refrigeration. Students will receive hands-on experience in a lab setting.

**BLDT 111 - Controls for HVACR (3)**

*Prerequisite: BLDT 110 or BLD 109*  
(formerly BLD 110)

Covers the topics of controls in HVACR with respect to thermostats; pressure, safety and temperature devices; and valves. In a lab environment students will be able to identify and apply usage of these components.

**BLDT 113 - Fossil Fuels & Hydronic Heating (3)**

*Prerequisite: BLDT 111 or BLD 110*  
(formerly BLD 114)

Covers the topics of fossil fuel heating devices, hydronic and forced air equipment. Students will apply troubleshooting, installation, service, and preventative maintenance techniques on these systems in a lab setting.

**BLDT 120 - Introduction to Welding (4)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or ESOL 70 or ESOL 72 or ESOL 100*  
(formerly BLD 121)

Introduces the basic processes in the welding field. Emphasizes welding safety. Introduces the various types of welding equipment, identification and selection of filler material, types of welds, and the different welding positions.

**BLDT 121 - Welding Symbols & Blueprint Reading (2)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or ESOL 70 or ESOL 72 or ESOL 100*  
(formerly BLD 120)

Introduces various types of prints used in the welding industry. Topics include print reading, measurements, metallurgy, types of welds and joints, and welding symbols.

**BLDT 140 - Fundamentals of Structural Wiring (4)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or ESOL 70 or ESOL 72 or ESOL 100*  
(formerly BLD 141)

Covers basic principles and fundamentals of electricity and electrical work. Course will include components of schematics and blueprints, importance and role of the National Electrical Code, and safety. Students will receive hands-on experience with tools of the trade, wiring, and installing components of accessory terminations.

**BLDT 143 - Specialized Systems (3)**

*Prerequisite: BLDT 140 or BLD 141*  
(formerly BLD 146)

Covers topics in the electrical field such as CAT5, CAT6, CATV, fiber optics, fire alarms, photovoltaic, and electric controls. Students will receive hands-on experience working with materials and components in a lab setting. Students will also be introduced to the National Electrical Code (NEC) codes governing these various sub-fields to the electrical industry.

**BLDT 212 - HVAC Installation & Troubleshooting (3)**

*Prerequisite: BLDT 111 or BLD 110*  
(formerly BLD 113)

Teaches basics of troubleshooting, installation, service and preventative maintenance techniques of HVAC equipment. Course includes EPA CFC certification. Hands-on experience will be conducted in a lab setting where students will demonstrate and apply these techniques.

**BLDT 222 - Advanced Welding: SMAW (4)**

*Prerequisite or Co-requisite: BLDT 121 or BLD 120*  
(formerly BLD 122)

Focuses on Shielded Metal Arc Welding (SMAW). Students will perform a SMAW welding performance qualification test on limited thickness test plates in the 2G and 3G positions on carbon steel in accordance with American Welding Society D1.1 Structural Welding Code; this leads to an in-house certification.

**BLDT 223 - Advanced Welding: SMAW 4G (3)**

*Prerequisite: BLDT 222 or BLD 122*  
(formerly BLD 128)

Focuses on Shielded Metal Arc Welding (SMAW) and oxyfuel and plasma cutting on carbon steel. Students will perform SMAW welder performance qualification tests on limited thickness test plates in the 4G position on carbon steel in accordance with American Welding Society D1.1 Structural Welding Code; this leads to an in-house certification.

**BLDT 224 - Advanced Welding: GTAW (3)**

*Prerequisite: BLDT 120 or BLD 121; Prerequisite or Co-requisite: BLDT 121 or BLD 120*  
(formerly BLD 125)

Introduces Gas Tungsten Arc Welding (GTAW) on carbon steel, stainless steel, and aluminum. Topics include welding safety, basic machine maintenance, and welding techniques.

**BLDT 225 - Advanced Welding: GMAW (3)**

*Prerequisite: BLDT 120 or BLD 121; Prerequisite or Co-requisite: BLDT 121 or BLD 120*  
(formerly BLD 127)

Focuses on Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and oxyfuel cutting on carbon steel. Students will develop skills to weld groove welds in multiple positions. Students will perform GMAW and FCAW welder performance qualification tests on limited thickness test plates on carbon steel in accordance with American Welding Society D1.1 Structural Welding Code.

**BLDT 241 - Residential Electric (3)**

*Prerequisite: BLDT 140 or BLD 141*  
(formerly BLD 142)

Advances student knowledge in the National Electrical Code (NEC) and its application. Topics covered will include NEC calculations, as well as print reading, circuitry, schematics, materials, and circuit testing. Hands-on applications will be conducted in a lab setting.

**BLDT 242 - Commercial Electric (3)**

*Prerequisite: BLDT 241 or BLD 142*  
(formerly BLD 145)

Continues the concepts and skills covered in the first two courses of the electrical building trades program. This course covers wiring methods mainly used in commercial construction. Topics covered to include: conduit (bending, installation), commercial lighting (fluorescent, HID), and transformers. Students will also have an overview of the applicable sections of the National Electrical Code (NEC), including box/conduit fill, and load calculations.

## Business Studies (BMGT)

**BMGT 100 - Spreadsheet Applications (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly CIS 111E & CMIS 111E)

Covers the basic and intermediate features of a commercial spreadsheet software package. Students design a variety of worksheets and charts; create formulas and functions, work with a spreadsheet's database features; apply 'what if' techniques; and interchange data with other applications.

**BMGT 103 - Introduction to Business (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*  
(formerly BU 103)

Introduces the factors and forces that shape the dynamic world of business. Examines how leadership, communication, and teamwork are utilized by the best businesses to reach high levels of performance. Explores the functional areas of business (planning, management, finance, human resources, marketing) and how they interact to produce goods and services that impact customers.

**BMGT 107 - Business Mathematics (3)**

(formerly BU 107)

Applies mechanics of computation and fundamentals of problem solving in such practical applications as statistics, percentages, interest, partial payment, distributions, payroll, and graphs.

**BMGT 109 - Entrepreneurship and Small Business Enterprise (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*  
(formerly BU 109)

Surveys starting and successfully managing a small business focusing on aspects of entrepreneurship including information, operations, human resources, finance, marketing, and general administration.

**BMGT 110 - Personal Financial Management (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*  
(formerly BU 110)

Develops a comprehensive approach to managing personal finances including financial planning, budgeting, financing consumer purchases, risk management, investments, and retirement planning.

**BMGT 120 - Business Communications (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly BU 273)

Emphasizes the theory and practice of oral, written, and interpersonal communication used in the workplace. Focus is placed on writing business correspondence and reports, planning and delivering effective presentations, and developing teamwork and collaboration skills.

**BMGT 140 - Agricultural Business (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly BU 140)

Introduces the principles of management in modern agricultural business and farm production. Emphasizes small agricultural businesses including crops, livestock, agritourism, sustainable agriculture, small acreage operations, and high value agricultural enterprises (e.g., viticulture, organic produce, aquaculture). The course will cover marketing, operations, finance, and human resources, as well as general management issues in an agricultural business.

**BMGT 211 - Business Law (3)***Prerequisite or Co-requisite: ENGL 101*

(formerly BU 211)

Defines the nature and development of law in the United States with a particular emphasis on how the law applies to businesses and how the law adapts and remains relevant in the face of constantly changing economic, political, social, and technological conditions. Students will describe and critique contracts, agency and employment, negotiable instruments, and sales.

**BMGT 221 - Public Relations (3)***Prerequisite or Co-requisite: BMGT 103*

(formerly BU 221)

Examines the field of public relations, defined as a strategic communication process that builds mutually beneficial relationships between organizations and their publics. Explores the field's beginnings, identifies influential professionals throughout its history, and analyzes the theories behind its practices, whether in business, nonprofits, or government. Contrasts the differences between public relations and marketing, utilizing consumer and community relations techniques.

**BMGT 223 - Human Resource Management (3)***Prerequisite or Co-requisite: BMGT 103*

(formerly BU 223)

Explores personnel administration procedures in business and government organizations. Includes study of work group labor management relations; recruitment, placement, training, and promotion of employees; work measurement and simplification; personnel records; wage and job classification; wage incentive systems; and fringe benefits.

**BMGT 225 - Marketing (3)***Prerequisite or Co-requisite: BMGT 103*

(formerly BU 225)

Analyzes the marketing of goods, services, and organizations in a global economy. Develops a conceptual base for understanding the role of marketing in a business environment through activities and strategies employed by marketers. Explores major components of the marketing mix focusing on pricing, product, distribution, advertising, retailing, and wholesaling.

**BMGT 227 - Principles of Management (3)***Prerequisite or Co-requisite: BMGT 103*

(formerly BU 227)

Reviews principles of management in business and other organizations. Emphasizes management functions including planning, organizing, staffing, directing, controlling, and coordinating. Explores the role leaders play in strategic planning, change management, innovation, decision making, and motivating employees/teams.

**BMGT 230 - Social Media Law (3)***Prerequisite or Co-requisite: BMGT 225*

Examines legal and ethical legal issues unique to social media. Review of how courts and regulators are shaping the law in response to information sharing and privacy, the rights of employers and school districts to restrict and discipline employee and student speech, and property rights in a social media account and its followers.

**BMGT 240 - Retail Management (3)***Prerequisite or Co-requisite: BMGT 103, BMGT 120*

Reviews the world of retail including types of retailers, multichannel retailing, consumer buying behavior, retail marketing strategies, selecting retail site locations, supply chain management, merchandising, pricing, store management, store layout and design, and customer service.

**BMGT 274 - Customer Relations (3)***Prerequisite or Co-requisite: BMGT 103*

(formerly BU 274)

Examines the role of customer relations in business and emphasizes the theory and practice of developing, fostering, and managing relationships between the company and the customer. Focus is on practices that lead to customer loyalty and retention. Value equation applications and a systems approach to service excellence are introduced. Addresses building excellent customer relations into the mission of the company and committing to customer service as competitive advantage.

**BMGT 275 - Fundamentals of Leadership (3)***Prerequisite or Co-requisite: ENGL 101*

(formerly BU 275)

Emphasizes the theory and practice of leadership skills in the workplace and evaluates styles of leadership. Emphasizes strategies for navigating change, leading with priorities in mind, managing conflict, giving and receiving constructive feedback, and visioning and goal setting.

**BMGT 281 - Global Awareness in the Work Environment (3)**

Gen Ed Emerging Issues, Cultural Competence

*Prerequisite or Co-requisite: ENGL 101*

(formerly BU 281)

Promotes awareness of cultural diversity in a workplace. Analyzes and adapts business culture and structure to global environments.

**BMGT 290 - Project Management (3)***Prerequisite or Co-requisite: CMIS 101*

(formerly BU 290)

Examines concepts and practices of project management and their universal application to all types of organizations. Students will analyze the roles of the project manager and project team and utilize techniques for effective project planning, management, control, closeout, and evaluation.

## Chemistry (CHEM)

**CHEM 100 - Chemistry and Society (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100**AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR**(Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S)**MATH course) OR (appropriate score on mathematics placement test)]**\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly CH 100)

Explores important concepts of modern chemistry. Emphasizes connection between basic scientific principles and the current technologies of our society. Laboratory experiments illustrate the process of scientific discovery. No background in science is required. Intended for non-science majors. Will not serve as a prerequisite for CHEM 102, CHEM 201, or advanced science courses. Meets the requirement for a general education science lab course.

**CHEM 101 - General Chemistry I (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 120 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)] \*MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites (formerly CH 101)*

Examines the concepts underlying modern chemistry including atomic and molecular structure, bonding, states of matter, and solutions. Intended for science majors, technology majors (STEM), and pre-allied health major. Laboratory experiments illustrate the lecture material. Meets the requirement for a general education science lab course.

**CHEM 102 - General Chemistry II (4)**

Gen Ed Science

*Prerequisite: Grade of C or better in CHEM 101; Recommended Prerequisite or Co-requisite: MATH 145 (formerly CH 102)*

Continues examining the concepts underlying general chemistry: intermolecular forces; chemistry of solutions; kinetics; equilibrium; acid-base chemistry; thermochemistry; electrochemistry; nuclear chemistry; chemistry of metals and nonmetals; organic chemistry including basic structures, nomenclature, and functional groups; mass spectrometry; and visible and infrared spectroscopies.

**CHEM 201 - Organic Chemistry I (4)**

*Prerequisite: Grade of C or better in CHEM 102 (formerly CH 201)*

Focuses on structure, nomenclature, reactions and uses of hydrocarbons, alkyl halides, alcohols, and compounds containing related functional groups. Mass spectrometry, infrared, and nuclear magnetic resonance spectroscopy are also covered. Lab experiments introduce basic organic chemistry techniques, synthesize and purify organic compounds, and provide hands-on experience with infrared spectroscopy.

**CHEM 202 - Organic Chemistry II (4)**

*Prerequisite: Grade of C or better in CHEM 201 (formerly CH 202)*

Focuses on structure, nomenclature, synthesis, reactions and uses of ethers, aromatic compounds, amines, aldehydes, ketones, carboxylic acids, and carboxylic acid derivatives. Relevant aspects of mass spectrometry, infrared, and nuclear magnetic resonance spectroscopy are reviewed. Applications of visible and ultraviolet spectrums of organic compounds are covered. The chemistry of carbohydrates, nucleic acids, and proteins are introduced. Lab experiments compliment and reinforce lecture material.

## Communication (COMM)

**COMM 101 - Introduction to Communication Studies (3)**

Gen Ed Communication

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100 (formerly CMSP 101)*

Introduces students to the basic theories and practical applications of human communication as it relates to their communication experiences. These include interpersonal situations, intercultural experiences, small group interactions, and public communication. Students will be given opportunities to develop their effectiveness in the speaking-listening communicative setting as well as develop knowledge of the communication process as a system.

**COMM 102 - Interpersonal Communication (3)**

Gen Ed Communication, Cultural Competence

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*

Introduces students to the fundamentals of interpersonal communication. Examines such communication in the context of culture, ethnicity, gender, age, and race, as well as the impact of the increasing use of interactive technologies. Seeks to increase the skills and sensitivity necessary for successful human relationships in a diverse global, national, and local community. Students who completed HUMS 102 previously cannot also earn credit for COMM 102.

**COMM 103 - Public Speaking (3)**

Gen Ed Communication

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100 (formerly CMSP 103)*

Emphasizes the attainment of understanding and skill in public speaking. Assignments require analyzing the audience, researching, organizing, outlining, supporting and delivering a variety of extemporaneous speeches.

**COMM 105 - Small Group Communication (3)**

Gen Ed Communication, Cultural Competence

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100 (formerly CMSP 105)*

Offers skills development in verbal, non-verbal and intercultural communication, listening, observation, leadership, and participation in groups. Emphasizes collaborative learning through researching and analyzing questions of fact and policy, problem solving and decision making, interacting and reaching consensus.

**COMM 107 - Career Communication (3)**

Gen Ed Communication

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 73 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100 (formerly CMSP 107)*

Offers students knowledge and skills needed to communicate within their prospective professions and with others outside those professions. Assignments in interview, group discussion and extemporaneous speaking are adapted to individual students.

**COMM 109 - Basic Conflict Mediation (3)**

Gen Ed Communication

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly CMSP 109)*

Presents the 7-Step Model of mediation, which includes strategic listening, handling power imbalances, and dealing with intense emotions. Students will engage in role plays and simulations for hands-on experience. Students will also conduct critical analyses of varying conflict resolution theories and mediation styles through discussion and written reflections.

**COMM 111 - Introduction to Mass Communication (3)**

Gen Ed Communication

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100 (formerly CMM 101)*

Surveys the history, structure, functions, and effects of mass media, and explores careers in that field. Focuses on the application and significance of media literacy, and analyzes the impact of the various media on society and the individual. Examines how the media effectively fulfill their purposes as deliverers of information, persuasion, entertainment, and culture.

**COMM 201 - Foundations of Communication Theory (3)**

*Prerequisites or Co-requisites: COMM 101 and (ENGL 101 or placement into ENGL 101)*

(formerly CMSP 201)

Provides students with an understanding of the principle theories related to the field of communication. Specifically, it introduces students to the study of communication theory and provides them with the conceptual and theoretical foundation needed to succeed as a communication scholar. Concepts and theories learned in this course will be studied in greater detail in the upper level courses required of the major.

*This course is only offered in the Spring.*

## Computer Aided Design Technology (CADT)

**CADT 101 - AutoCAD I (3)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 (formerly CAD 101)*

Introduces AutoCAD software and its application as a drawing tool. Students will utilize basic AutoCAD commands to create two-dimensional production and architectural drawings. Students will use templates, layer control, dimensioning, editing, text, symbol creation, and blocks to create and modify geometrical designs and print/plot drawings for presentation.

**CADT 102 - AutoCAD II (3)**

*Prerequisite or Co-requisite: CADT 101 (formerly CAD 102)*

Extends and integrates the study of AutoCAD at an intermediate level. Students will create pictorial views and three-dimensional drawings. Students will gain an understanding of three-dimensional coordinates; create and work with composite, mesh, and solid models; manipulate materials in AutoCAD; and use cameras, walkthroughs, and flybys to view models.

**CADT 110 - Introduction to SolidWorks (3)**

*Prerequisite: ENGL 70 or ESOL 70 or ESOL 100*

Introduces solid modeling software and its application as a design/drawing tool. Content covers basic features used to create, edit, document, and print parts and assemblies. Students will be able to create 3D models from which tangible counterparts could be created. Students will gain an understanding of important geometric constraints such as perpendicularity, concentricity, symmetry, angularity, parallelism, and others, that help them make appropriate design decisions on specific models as well as in assemblies.

**CADT 130 - Revit (BIM) (3)**

*Prerequisite: ENGL 70 or ESOL 70 or ESOL 100 (formerly CAD 130)*

Presents Autodesk Revit software, a Building Information Modeling (BIM) program, and its application as a design/drawing tool throughout the design process. Allows students to create designs in 3D, annotate with 2D drafting elements, and access building information from the building models database. Students will have a thorough knowledge of many of the Revit basics needed to be productive in a classroom or office environment.

**CADT 150 - Architectural Drawing and Design (3)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or ESOL 70 or ESOL 72 or ESOL 100*

(formerly CAD 200)

Applies and demonstrates the basic principles and concepts of architectural drawing and design, and their application. Develops an understanding of programming and schematic design. Introduces fundamental drawing practices, drawing systems, and presentation techniques. Students will create architectural sketches, drawings, and models.

**CADT 210 - Residential Architecture I (4)**

*Prerequisite: CADT 101; Prerequisite or Co-requisite: CADT 130 (formerly CAD 201)*

Examines the basics of residential architecture. Content covers the language of architecture, the makeup of a set of plans, and the geometry of drawing parts of houses. Students will identify and create architectural designs including floor plans, foundation plans, site plans, and roof plans.

**CADT 220 - Residential Architecture II (4)**

*Prerequisite: CADT 210 (formerly CAD 202)*

Discovers and analyzes intermediate concepts of residential architecture. Continues the study of architecture terminology, building techniques, building conventions, and residential building design that were introduced in Residential Architecture I. Students will be able to develop and present supplemental drawing including electrical plans, mechanical and plumbing plans, and stair plans.

**CADT 225 - Commercial Architecture (3)**

*Prerequisite: CADT 220*

Examines the basics of commercial architecture. Content covers the design considerations of commercial structures, the introduction of International Building Codes, and access requirements for people with disabilities. By the end of the course, students will be able to apply CAD tools to commercial drawings, define and apply building methods and materials of commercial construction and examine considerations affecting commercial construction.

**CADT 235 - Revit for Architecture (3)**

*Prerequisite: CADT 130*

Illustrate and analyze intermediate concepts of Autodesk Revit software and its application as a design/drawing tool for architecture. Content covers using 'as-built' drawings to model an existing building on a site, creating building additions, and working with design phases, including creating demolition plans to accommodate the new addition. By the end of this course, students will be able to develop a model independently in Revit, understand how to organize it for development into a set of architectural construction documents, and prepare the model for presentation, collaboration, and visualization.

**CADT 245 - Civil Drafting with CAD (3)**

*Prerequisite: CADT 101*

Illustrates intermediate/advanced concepts of civil drafting and design of civil engineering projects. Students will use 3D civil CAD software to create and revise civil engineering drawings including survey drawings, highway layouts, profiles, site plans, corridors, sections, grading plans, cut and fill drawings, and other civil detail drawings.

**CADT 250 - Statics and Strength of Materials (4)***Prerequisite: ENGR 100*

Covers the basic principles of statics, forces, force systems, loading, and load effects. Analyzes the mechanics of materials including center of gravity, moment of inertia, radius of gyration, and the concepts of stresses and strains as they relate to Computer Aided Design and Technology.

**CADT 255 - Dynamics (4)***Prerequisite: CADT 250*

Includes the dynamics of particles and rigid bodies, the impulse-momentum method, and the work-energy principle to solve dynamic problems as it relates to mechanical design, the path of projectiles, and the design of highways.

## Computer and Information Sciences (CMIS)

**CMIS 101 - Information Systems and Technology (3)**

Gen Ed Computer Literacy

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR**Co-requisite: ENGL 75 or ESOL 100*

(formerly CIS 101)

Explores the fundamentals of information systems and relevant technologies. This course surveys the terminologies, types, components, functions, architectures, and development life cycle of information systems. Topics include roles, values, impacts, applications, security concerns, social issues, ethics, and responsibilities related to the use of information systems in businesses. Students also learn productivity applications, such as word processing, spreadsheet, presentation, and database software.

**CMIS 105 - Introduction to Programming (2)***Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR**Co-requisite: ENGL 75 or ESOL 100*

(formerly CIS 107)

Introduces programming and is aimed at students with no prior programming knowledge or skills. Covers basics of programming including variables, decision-making statements, and iterative statements. Students create logical solutions to novel problems using tools such as pseudocode and flowchart. Students write, test, and run elementary programs to solve problems using a high-level programming language.

**CMIS 106 - Object Design and Programming (3)**

Gen Ed Computer Literacy

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100**AND Prerequisite or Co-requisite: Any 100 level MATH course or higher or appropriate score on mathematics placement test*

(formerly CIS 106)

Covers basics of object-oriented programming, fundamentals of computer information systems, impact of information technology on the economic, political and cultural development of society as well as the ethical, societal, and legal aspects of information technology. Students will design, implement, document, and debug object-oriented programs to solve problems by utilizing various data types and algorithms, control structures, encapsulation, and inheritance. Students will participate in structured walkthroughs and discussions, create Unified Modeling Language (UML) diagrams in designing solutions, and debug errors within the designed solutions. Requires no prior programming experience.

**CMIS 111 - Microcomputer Software Applications (3)**

(formerly CIS 111)

A series of individual courses involving various state-of-the-art microcomputer software application packages.

**CMIS 111B - Database (3)***Prerequisite or Co-requisite: CMIS 101 or (CMIS 105 or CIS 107) or CMIS 106*

(formerly CIS 111B)

Covers the basic and advanced features of a commercial database software package. Students plan, define and use a database; perform queries; produce reports and forms; work with multiple files; and learn the basic concepts of database programming.

**CMIS 111J - Web Page Development (3)***Prerequisite or Co-requisite: CMIS 101 or (CMIS 105 or CIS 107) or CMIS 106*

(formerly CIS 111J)

Introduces modern web development tools for website construction.

This course covers the topics relevant to the development of interactive websites, including conceptualization, design, layout, and visual stimulation. Students will learn HTML5, CSS3, and JavaScript.

**CMIS 111L - UNIX/Linux Operating System (3)***Prerequisite or Co-requisite: (CMIS 105 or CIS 107) or CMIS 106 or (CMIS 120**or CIS 111M)*

(formerly CIS 111L)

Explores the practical use and operation of an open-source operating system (Linus/Unix). Students will learn how to use basic Unix commands, shell scripting, and various system utilities.

**CMIS 111R - Business Software Applications (3)**

(formerly CIS 111R)

Emphasizes an integrated approach. Covers different software applications, from spreadsheet to word processor, to graphs, to the file manager, to communication files. Provides numerous hands-on assignments and exercises. Students gain practical experience using a computer to solve problems that arise in the automated office environment.

**CMIS 111S - Social Media Tools (3)***Prerequisite or Co-requisite: CMIS 101 or (CMIS 105 or CIS 107) or CMIS 106**or (CMIS 120 or CIS 111M)*

(formerly CIS 111S)

Explores social media tools, social media marketing tools, and social media monitoring tools. Covers both well-established and emerging social media tools as well as their applications for measuring, leveraging, and optimizing digital media content. Students learn to implement social campaigns or marketing initiatives using social media, manage social media, and monitor social media channels.

**CMIS 111T - Digital Marketing (3)***Prerequisite or Co-requisite: CMIS 101 or (CMIS 105 or CIS 107) or CMIS 106**or (CMIS 120 or CIS 111M)*

(formerly CIS 111T)

Introduces the digital marketing communications landscape, channels, and technology. Topics include online advertising campaigns utilizing the web technologies such as Email marketing, YouTube marketing, and Facebook marketing. Students learn to create contextual marketing plans and establish digital analytics related to digital marketing and advertising.

**CMIS 111V - Virtualization and Cloud Essentials (3)**

*Prerequisite or Co-requisite: CMIS 106 or (CMIS 105 or CIS 107) or (CMIS 120 or CIS 111M)*

(formerly CIS 111V)

Surveys the virtualization technology and applications. Introduces the business value and impact of virtualization and cloud computing, essential characteristics of cloud computing, cloud technologies and applications, cloud computing architecture, and cloud service models as well as cloud adoption and deployment. Topics include virtualization concepts, virtualization infrastructure, virtualization in cloud environment, business and technical perspective of cloud computing, cloud models, cloud economics, cloud computing services, and application as well as adoption and deployment of cloud computing. Covers the objectives of Amazon Web Services (AWS) Certified Cloud Practitioner exam and CompTIA Cloud Essentials certification exam.

**CMIS 117 - Data Science Essentials (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly CIS 117)

Introduces concepts and techniques of data collection and discovery as well as computer based data analysis tools. Surveys data wrangling, data journalism, data visualization, big data analytics, and data engineering technologies, such as Hadoop and MapReduce. Topics include the data organization and repository, data science process, inductive data-driven modeling, statistical inference, logistic regression, and exploratory data analysis.

**CMIS 118 - Data Analytics Using Spreadsheets (3)**

*Prerequisite or Co-requisite: CMIS 101 or (CMIS 105 or CIS 107) or CMIS 106 or CMIS 111E or CMIS 111R*

(formerly CIS 118)

Covers the theory and techniques of data modeling and data analysis using spreadsheets. Students learn to summarize data, explore data, produce accumulated data, and visualize data by utilizing spreadsheet software, such as MS Excel.

**CMIS 119 - Statistical Analysis System (SAS) (3)**

*Prerequisite or Co-requisite: (CMIS 105 or CIS 107) or CMIS 106*

(formerly CIS 119)

Covers the point-and-click interactive SAS Studio and basics of SAS programming. Students utilize SAS Studio to visualize and summarize data by creating reports, charts, and graphs as well as conduct statistical tests and analysis. Students also learn SAS programming capabilities necessary to process data from a variety of sources and to solve problems.

**CMIS 120 - PC Operating Systems (3)**

*Prerequisite or Co-requisite: CMIS 121 or CIS 212*

(formerly CIS 111M)

Explores the installation, configuration, and operations of operating systems. Students learn to set up, configure, troubleshoot, and maintain hardware devices and software applications on an operating system. Covers the objectives of CompTIA A+ certification exam. It is required that students take this course and CMIS 121 PC Repair & Diagnostics in the same semester.

**CMIS 121 - PC Repair & Diagnostics (3)**

*Prerequisite or Co-requisite: CMIS 120 or CIS 111M*

(formerly CIS 212)

Introduces diagnosis and troubleshooting of personal computers. This course covers the hardware and software troubleshooting techniques, including diagnosis software, board replacement, storage, and memory troubleshooting. Covers the objectives of CompTIA A+ certification exam. It is required that students take this course and CMIS 120 PC Operating Systems in the same semester.

**CMIS 140 - Java Programming (3)**

*Prerequisite or Co-requisite: CMIS 106*

(formerly CIS 140)

Introduces Java programming language with an emphasis on object-oriented principles. Students utilize library classes in developing Java standalone applications and applets. Topics include Graphical User Interface (GUI) programming, event-driven programming, inheritance, and polymorphism.

**CMIS 173 - Healthcare Information Technology (3)**

*Prerequisite or Co-requisite: CMIS 101 or (CMIS 105 or CIS 107) or CMIS 106 or (CMIS 120 or CIS 111M)*

(formerly CIS 173)

Prepares students to become healthcare information technology technicians. Topics covered include healthcare-related regulatory requirements, healthcare terminology/acronyms, medical business operations, electronic health records (EHRs), and healthcare specific security best practices. Students will obtain the knowledge and skills required to implement, deploy, and support health IT systems in medical facilities.

**CMIS 175 - Game Theory and Design (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly CIS 175)

Covers game theory and design. Topics include the roles of game designers, game structures and elements as well as game development stages and methods. Students learn about designing, prototyping, and playtesting games.

**CMIS 176 - Game Creation (3)**

*Prerequisite or Co-requisite: CMIS 101 or (CMIS 105 or CIS 107) or CMIS 106 or CMIS 175*

(formerly CIS 176)

Covers the creation of basic games. This hands-on course guides students step by step through the basics of building interactive games. Students learn to create computer games utilizing current technologies, such as web page design/development languages, animation/simulation software, and game engines.

**CMIS 177 - Interactive 3D Technology (3)**

*Prerequisite or Co-requisite: CMIS 101 or (CMIS 105 or CIS 107) or CMIS 106*

(formerly CIS 177)

Surveys the current 3 dimensional (3D) technologies and introduces the design and creation of virtual interactive 3D models. Covered techniques include mesh modeling, texturing, lighting, rigging, animating, and rendering. Students learn to design and develop computer generated interactive 3D worlds using 3D production tools such as Blender.

**CMIS 178 - 3D Modeling and Animation (3)***Prerequisite or Co-requisite: CMIS 177*

(formerly CIS 178)

Introduces fundamentals of creating and animating 3 dimensional (3D) computer modeling. The industry standard 3D modeling and animation software are surveyed and explored. This course covers Autodesk Maya Certified Professional exam topics and objectives. Topics include 3D modeling concepts and 3D animation process. Students learn to create and animate 3D models using 3D modeling tools.

**CMIS 179 - Cybersecurity Fundamentals (3)***Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*

(formerly CIS 179)

Surveys cybersecurity concepts and practices including malware, anti-malware, social engineering, information privacy, data security, and security policies. Students learn to identify cyber threats, threat sources, and threat mitigations as well as protect them from Internet predators. Students will be able to evaluate security policies and procedures.

**CMIS 200 - IT Support Services (3)***Prerequisite or Co-requisite: (CMIS 120 or CIS 111M) or (CMIS 121 or CIS 212)*

(formerly CIS 200)

Introduces the fundamentals, operations, roles, and responsibilities of information technology (IT) support services. Students practice problem-solving and communication skills appropriate in the computer user-support environment. Best practices in customer support and professional work habits are emphasized throughout the course. Topics include incident identification, incident management, information collection skills, communication skills, personal skills, technical skills, security skills, troubleshooting skills, training skills, and business skills.

**CMIS 201 - Computer Science I (4)***Prerequisite: (MA 81 or MATH 67 or MA 83 or MA 85 or appropriate score on mathematics placement test) and (Grade of C or better in CMIS 106)*

(formerly CIS 201)

Emphasizes object-oriented design, data abstraction and programming beyond an introductory level. Introduces user interfaces and graphics through the study of object design. Emphasizes object-oriented software engineering including Unified Modeling Language (UML). Investigates fundamental sorting and searching algorithms, introductory dynamic data structures and event-driven programming techniques. Develops programming skills using a language that supports the object-oriented paradigm.

**CMIS 202 - Computer Science II (4)***Prerequisite: Grade of C or better in CMIS 201*

(formerly CIS 202)

Emphasizes algorithms, data structures, and object-oriented software engineering. Introduces algorithmic analysis including asymptotic notation, empirical performance measurements, and time/space tradeoffs. Covers fundamental computing algorithms including sorting, searching, and manipulating dynamic data structures, such as lists, stacks, queues, trees, graphs and hash tables. Investigates recursion including applications to algorithms and data structures. Integrates further software engineering concepts including data abstraction and participation in team programming projects. Projects will be completed using a language that supports the object-oriented paradigm (Java).

**CMIS 203 - Systems Analysis & Design (3)***Prerequisite: CMIS 106*

(formerly CIS 203)

Presents concepts of structured systems analysis and design techniques such as problem definition, cost analysis, charting and scheduling, implementation planning and documentation. Emphasizes project management, communication and analytical skills.

**CMIS 204 - Computer & Information Sciences Project (3)***Prerequisite or Co-requisite: CMIS 203*

(formerly CIS 204)

Assigns a project commensurate with student's background and training, and carries it through from system analysis and design to program preparation and implementation.

**CMIS 208 - C++ Programming (3)***Prerequisite: CMIS 106*

(formerly CIS 208)

Emphasizes object-oriented programming in C++. This course provides a comprehensive coverage of C++ features, including arrays, strings, pointers, references, classes, inheritance, polymorphism, function overloading, function overriding, virtual function, and template. Students learn to design and implement object-oriented programs in C++ programming language.

**CMIS 217 - Cybercrime and Digital Forensics (3)***Prerequisite or Co-requisite: CMIS 111L or CMIS 111V or CMIS 120 or CIS 111M*

(formerly CIS 217)

Covers the fundamentals of computer forensics, and the techniques and processes involved in identifying, collecting, preserving, and analyzing digital evidence. Surveys the contemporary crime and related legal issues and laws.

**CMIS 218 - Information Security (3)***Prerequisite or Co-requisite: (CMIS 105 or CIS 107) or CMIS 106 or (CMIS 120 or CIS 111M)*

(formerly CIS 218)

Covers the fundamentals of information security and assurance. Topics include cryptography, security architecture and controls, risk management and governance, disaster recovery planning and management, as well as security frameworks, standards, and policies. Students learn to protect information systems from unauthorized access in order to ensure confidentiality, integrity, and availability.

**CMIS 219 - Ethical Hacking (3)***Prerequisite or Co-requisite: CMIS 111L*

(formerly CIS 219)

Covers the fundamentals of protecting information technology resources from cyber attacks. Students learn the tools and penetration testing methodologies used by ethical hackers, as well as the methods and tools to protect against attacks and vulnerabilities. Surveys computer crime-related laws and regulations.

**CMIS 222 - Computer Organization (4)***Prerequisite: CMIS 106*

(formerly CIS 222)

Introduces the organization and essential functions of computer systems. This course surveys the components of computer systems from the architecture point of view and provides an in-depth discussion on topics including central processor unit (CPU) structure, instruction sets, data representation, computer arithmetic, digital logic, memory architectures, and parallel processing. Students will also explore the support of operating systems from programming perspectives.

**CMIS 225A - Computer Programming Language: PHP (3)**

*Prerequisite or Co-requisite: CMIS 106*  
(formerly CIS 225A)

Introduces programming using PHP.

**CMIS 225C - Computer Programming Language: Mobile Applet Programming (3)**

*Prerequisite: CMIS 106*  
(formerly CIS 225C)

Introduces applet programming for mobile devices using the Android operating system.

**CMIS 226 - Game Scripting (3)**

*Prerequisite or Co-requisite: (CMIS 105 or CIS 107) or CMIS 106*  
(formerly CIS 226)

Covers the development of computer games using a scripting language (Python). A current scripting language will be covered and used to develop game programs. Students learn to design and develop cross-platform computer games.

**CMIS 227 - Game Programming (4)**

*Prerequisite: (CMIS 105 or CIS 107) or CMIS 106*  
(formerly CIS 227)

Covers the development of computer games using a high-level programming language. Introduces game development aspects and techniques through creation of computer programs. This course also surveys the modern game engines. Students learn to develop computer game programs for specific game engines and platforms.

**CMIS 228 - Simulation and Game Development (4)**

*Prerequisite: (CMIS 105 or CIS 107) or CMIS 106 or CMIS 177 or CMIS 178*  
(formerly CIS 228)

Covers the development of digital interactive contents used in computer games and computerized simulations. This course introduces students to the current game engines and simulation software used to build comprehensive and interactive computer games and simulations.

**CMIS 230 - Database Management Systems (3)**

*Prerequisite or Co-requisite: (CMIS 105 or CIS 107) or CMIS 106 or CMIS 111E or CMIS 119*  
(formerly CIS 230)

Provides an in-depth study of database management systems and the fundamentals of database design and development. Topics include Structure Query Language (SQL), normalization, integrity constraints, data models, and transaction control. Students design and develop databases and database applications utilizing database management systems (DBMS), such as Oracle or Microsoft SQL Server.

**CMIS 256 - Statistical Computing (3)**

*Prerequisite or Co-requisite: (CMIS 105 or CIS 107) or CMIS 106 or CMIS 119*  
(formerly CIS 256)

Covers the R programming language and software development environment for statistical computing. Students learn to develop, test, and run programs in R. Students use the R system as a data science tool to process data, manipulate data, and create data science results.

**CMIS 257 - Data Visualization (3)**

*Prerequisite: (CMIS 105 or CIS 107) or CMIS 106 or CMIS 118 or CMIS 119 or CMIS 256*  
(formerly CIS 257)

Covers the fundamentals and techniques of data visualization. Students learn to effectively communicate data by using data as a pivotal point in the presentation. Students obtain data visualization skills via hands-on activities using data analysis and visualization software tools, such as Tableau.

**CMIS 258 - Data Wrangling (3)**

*Prerequisite: (CMIS 105 or CIS 107) or CMIS 106 or CMIS 118 or CMIS 119 or CMIS 256*  
(formerly CIS 258)

Surveys the concepts, needs, principles, and techniques of data wrangling. Explores data extraction, transformation, and loading (ETL) tools/systems. Students practice data wrangling activities including data extraction, data transformation, data loading, integrating data sources, and correcting erroneous/missing values by utilizing computer based tools.

**CMIS 259 - Big Data Analytics (3)**

*Prerequisite: (CMIS 105 or CIS 107) or CMIS 106 or CMIS 118 or CMIS 119 or CMIS 256*  
(formerly CIS 259)

Surveys the roles, needs, challenges, principles, trends, platforms, analytic lifecycle/methods, and architectures/frameworks relevant to big data technology. Surveys big data analytics tools/systems, such as Hadoop, MapReduce, Talend, Apache Hive, Apache Pig, SAS, or R. Students apply learned concepts and techniques to solve problems by using big data analytics tools/systems.

**CMIS 266 - Cloud System Administration (3)**

*Prerequisite or Co-requisite: CMIS 111V or CMIS 120 or CIS 111M*  
(formerly CIS 266)

Explores administering cloud platforms and deploying applications on cloud platforms. Students learn to operate, manage, monitor, and secure cloud computing systems such as Amazon Web Services (AWS), as well as deploy and scale applications in cloud environments. Covers the objectives of AWS Certified SysOps Administrator Associate exam.

**CMIS 280 - Networking Fundamentals (3)**

*Prerequisite or Co-requisite: CMIS 120 or CIS 111M*  
(formerly CIS 180)

Reviews hardware, operating systems, and other networking principles. Includes comprehensive networking skill sets necessary for the CompTIA Network exam.

**CMIS 281 - Security Fundamentals (3)**

*Prerequisite or Co-requisite: CMIS 280 or CIS 180*  
(formerly CIS 170)

Provides students with the knowledge and skills to implement, maintain and secure network services, network devices, and network traffic. Builds on foundational network concepts, computer hardware, and operating systems principles.

**CMIS 290 - Cisco 1 Introduction to Networks (3)**

*Prerequisite or Co-requisite: CMIS 106 or (CMIS 120 or CIS 111M)*  
(formerly CIS 190)

Covers the architecture, structure, functions, and components of the Internet and other computer networks in accordance with CCNAv7: Introduction to Networks (ITN). Students achieve a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP).

**CMIS 291 - Cisco 2 Switching, Routing, and Wireless Essentials (3)**  
*Prerequisite or Co-requisite: CMIS 280 or CIS 180 or CMIS 290 or CIS 190 (formerly CIS 191)*

Covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts in accordance with CCNAv7: Switching, Routing, and Wireless Essentials (SRWE). Students learn how to configure and troubleshoot routers and switches for advanced functionality using security best practices and resolve common issues with protocols in both IPv4 and IPv6 networks.

**CMIS 292 - Cisco 3 Enterprise Networking, Security, and Automation (3)**

*Prerequisite or Co-requisite: CMIS 291 or CIS 191 (formerly CIS 192)*

Describes the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies, in accordance with CCNAv7: Enterprise Networking, Security, and Automation (ENSA). The course emphasizes network security concepts and introduces network visualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

**CMIS 294 - Cybersecurity Operations (3)**

*Prerequisite or Co-requisite: CMIS 292*

Introduces the core security concepts and skills needed to monitor, detect, analyze, and respond to cybercrime, cyberespionage, insider threats, advanced persistent threats, regulatory requirements, and other cybersecurity issues facing organizations in accordance with CCNA Cyber Ops. It emphasizes the practical application of the skills needed to maintain and ensure security operational readiness of secure networked systems.

**CMIS 295 - Cloud Security (3)**

*Prerequisite or Co-requisite: CMIS 111V or CMIS 266 or (CMIS 280 or CIS 180) or (CMIS 290 or CIS 190) (formerly CIS 223)*

Covers the essentials of the cloud security technologies, mechanisms, and standards/frameworks as outlined by Cloud Security Alliance (CSA) and National Institute of Standards and Technology (NIST) Cloud Computing Security Standards. Surveys cloud governance, certification compliance, and accreditation. Students learn to analyze risk in cloud environments and cloud security solutions, create and secure public and private cloud instances, and secure cloud applications.

## Construction Management Technology (CMTE)

**CMTE 100 - Occupational Safety & Health (2)**

Identifies factors and practices that aid in accident prevention and elimination of hazards in the workplace. Topics will include liability, standards, OSHA, hazard control, accident investigation, and safety management.

**CMTE 101 - Construction Management (3)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly CON 101)

Introduces the construction management process, each party's roles and responsibilities, forms of construction management delivery systems, and construction documents. Students will describe the role of the construction manager within the context of ensuring timely, high quality, profitable, and safe construction projects.

**CMTE 130 - Materials & Methods of Construction (3)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly CON 132)

Provides the construction manager with a fundamental understanding of materials and methods of construction. Emphasizes properties of materials, engineering methods, construction methods, testing methods, and related building codes. This course focuses on soil, earthwork, foundations, paving, concrete, masonry, thermal products, roofing, wood construction, steel construction, exterior and interior finishes, glazing, windows, doors, exterior wall systems, cladding, interior walls/partitions, finish ceilings, and flooring.

**CMTE 140 - Architectural Blueprint Reading (3)**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly CON 140)

Introduces basic blueprint and construction document reading methodology. Develops the practice of utilizing construction documents as an important communication tool in the construction process. Areas of focus include views, symbols, scales, dimensions, materials, construction methods, and terminology used in the various disciplines included in construction documents.

**CMTE 200 - Site Management (3)**

*Prerequisites or Co-requisites: (CMTE 101 or BLDT 101) and (CMTE 130 or CON 132)*

(formerly CON 203)

Examines the principles that apply to planning and managing construction project field operations. Major areas of focus include documentation and recordkeeping, jobsite layout and control, project safety, jobsite labor relations, subcontracting and purchasing, time and cost control, changes and claims, quality management, payments, and project closeout.

**CMTE 210 - Construction Project Cost Estimating (3)**

*Prerequisites: (CMTE 101 or CMTE 130 or CON 133 or CADT 101) and CMIS 101 and (MA 80 or appropriate score on mathematics placement test) (formerly CON 204)*

Introduces cost estimating concepts and methodologies that apply to the construction industry. Areas of emphasis include estimating techniques, quantity take-off, pricing, material and labor estimation, estimating by division, bidding, and computer applications.

**CMTE 220 - Construction Project Scheduling (3)**

*Prerequisites: CMTE 101 and CMTE 140*

(formerly CON 206)

Introduces the concepts and procedures in preparing a project schedule. Bar charts, critical path method, and computer applications are examined. Students will use sample projects and case studies to apply scheduling concepts.

## Criminal Justice (CCJS)

### CCJS 101 - Introduction to Criminal Justice (3)

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100*

(formerly CJ 101)

Presents a history of criminal justice, with emphasis on English antecedents important to the administration of justice in the United States. Introduces the United States Constitution and Supreme Court decisions affecting individual rights and law enforcement practices. Includes career orientation through an analysis of criminal justice agencies.

### CCJS 108 - Serial Killers: Psychosocial Perspectives (3)

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100* (formerly CJ 108)

Presents an overview of serial killers in the United States and other countries. Introduces the background of serial killers as well as causes and failures in their lives that led up to the killings. Presents case studies of serial killers as well as the investigation, apprehension, trial, and sentencing of these offenders.

### CCJS 109 - Murder, Terror, and Other Extreme Crime (3)

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

Presents an overview of various forms of extreme domestic, international, interpersonal, and political crime, such as serial murder, sex crime, terrorism, and crimes by state-sanctioned actors. Discusses sociological and psychological factors used to analyze, investigate, and prevent these extreme crimes. Introduces students to the psychological profiling processes used in criminal investigations. Students will use case studies to develop an understanding of research and evidence analysis, due process and legal rights, interdiction and apprehension, and trial and sentencing process in a wide variety of high impact criminal cases.

### CCJS 201 - Criminal Law (3)

*Prerequisite: ENGL 101*

(formerly CJ 110)

Explores the history and purpose of criminal law. Also examines elements of substantive criminal common law as modified by statute. Introduces legal research and a case study review of appellate court decisions relative to selected aspects of criminal law.

### CCJS 204 - Police Operational Services (3)

*Prerequisite: CCJS 201 or CJ 110*

(formerly CJ 204)

Examines police operational techniques and strategies, incident analysis, patrol deployment, traffic enforcement theory and practice, crime prevention and community relations, and the investigative process. Explores the police officer's role as a manager of community crime prevention resources. Includes analysis of recommended practices for maintaining a police officer's health and safety.

### CCJS 209 - Criminal Investigations (3)

*Prerequisite: CCJS 101*

(formerly CJ 209)

Introduces modern methods used in detection, investigation, and solution of crimes. Students will be taught basic investigative techniques utilized by law enforcement agencies. Analysis of actual cases will be used to demonstrate practical uses of these techniques.

### CCJS 214 - The Correctional Process (3)

*Prerequisite: CCJS 101*

(formerly CJ 214)

Surveys the juvenile and adult correctional process from adjudication through probation or parole.

### CCJS 220 - Criminal Evidence & Procedure (3)

*Prerequisite: CCJS 201 or CJ 110*

(formerly CJ 220)

Examines the United States Constitutional limitations on law enforcement, emphasizing arrest, use of force and search and seizure. Rules of evidence of particular importance to the law enforcement function including: the hearsay rule and exceptions; documentary, opinion, corpus delicti and circumstantial evidence; character and past crimes; evidentiary privileges; jurisdiction and venue; and witnesses.

## Early Childhood Development (ECED)

### ECED 101 - Child Development & Behavior (3)

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100*

(formerly ED 100)

Introduces basic growth and developmental principles necessary to work with young children from birth to twelve years old. Emphasizes the social, emotional, physical, and cognitive developmental stages of the young child. This course meets the Maryland State Department of Education Division of Early Childhood's Office of Child Care Credentialing and Licensing requirements. This course is 45 hours of the 90 hours required for Preschool Lead Teacher. Six hours of documented observation are required.

### ECED 105 - Introduction to Early Childhood Education (3)

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly ECD 101)

Examines conceptual framework for understanding the role of the early childhood education professional. Content focuses on the profession of early childhood education in the context of historical, philosophical, and social influences. Reviews contemporary trends, issues, and practices in the field of early childhood education. Fifteen hours of documented observation are required.

### ECED 125 - Methods and Materials in Early Childhood (3)

*Prerequisite or Co-requisite: ECED 101 or ED 100*

(formerly ECD 104)

Designed to teach the methods and proper use of materials in presenting creative learning experiences to young children in the areas of language, creative dramatics, art, music, movement, math, science, emergent literacy, and outdoor activities. This course meets the state requirements for Office of Child Care Licensing & Credentialing. This course is 45 hours of the 90 hours required for Preschool Lead Teacher. Fifteen hours of documented observation are required.

### ECED 135 - Infants & Toddlers Development and Care (3)

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite:*

*ENGL 75 or ESOL 100*

(formerly ECD 106)

Examines the best practices designed to meet the needs of infants and toddlers as related to their physical growth and development, mental health, and human relationships. Attention will be given to the family and child's multicultural customs, gender equity, and children with special needs, while insuring quality program development and implementation in out of home care environments. Content will focus on the caregiver, the child, and the program being provided to meet the learning needs of the infant and toddler. This course meets the state requirements of Office of Child Care Licensing and Credentialing for Infant/Toddler Lead Teacher. *This course is only offered in the Fall.*

**ECED 145 - Child Health, Safety and Nutrition (3)**

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100*  
(formerly ECD 107)

Presents a survey of the health, safety and nutritional needs of young children. Includes required state and federal codes. Emphasizes the establishment and maintenance of a safe and healthy learning environment.

*This course is only offered in the Fall.*

**ECED 155 - Activities for the School-Age Child (3)**

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100*  
(formerly ECD 108)

Examines developmentally appropriate principles, materials, and methods used with school age children ages 6 to 12. Specific consideration given to planning activities for school age child care. Students plan and present lessons in the areas of physical, cognitive, and social development. This course meets the state requirements of Office of Child Care Licensing and Credentialing for School Age Teacher.

*This course is only offered in the Fall.*

**ECED 205 - Administration of Child Development Centers (3)**

*Prerequisites: (ECED 101 or ED 100) and (ECED 125 or ECD 104) and (ECED 135 or ECD 106) and (ECED 155 or ECD 108)*  
(formerly ECD 212)

Designed to provide students with management skills necessary to operate an early childhood center, family child care or before/after school program that serves children from infancy through age twelve. Topics include program policies and procedures, government regulations, finance and budget, facility operation, personnel management, health and safety, accreditation systems, and program evaluation and improvement. This course meets the state requirements of Office of Child Care licensing and credentialing for School Age and Preschool Director.

*This course is only offered in the Spring.*

**ECED 215 - Understanding and Guiding the Young Child's Behavior (3)**

*Prerequisite: ECED 101 or ED 100*  
(formerly ECD 213)

Designed for adults who are responsible for the care and development of young children from birth to eight years of age, primarily in an early childhood setting. This course will focus on developmentally appropriate child guidance philosophies, methodologies of discipline, and guidelines for the responsible adult.

*This course is only offered in the Spring.*

**ECED 225 - Language & Literacy Development in Early Childhood (3)**

*Prerequisite: ECED 101 or ED 100*  
(formerly ECD 230)

Designed for adults who are responsible for the care, development and teaching of young children from birth to eight years in primarily an early childhood setting. This course is a study of the development of oral language by the young child, the relationship between language development and emerging literacy, and the structuring of the learning environment for the child birth to eight years. A variety of quality early childhood literature will be reviewed along with methods for using children's literature to enhance language development.

*This course is only offered in the Spring.*

**ECED 245 - Directed Practicum in Early Childhood (3)**

*Prerequisites: ECED 101 or ED 100, ECED 105 or ECD 101, ECED 125 or ECD 104, ECED 135 or ECD 106, ECED 215 or ECD 213, and EDUC 230 or ED 203*  
(formerly ECD 210)

Offers students an opportunity to conduct structured observation and participate in activities in an early childhood setting. Students will provide assistance to the classroom instructor and may be required to assume major responsibility for the full range of teaching and care giving duties for a group of young children. In addition, students will complete a course portfolio. Students will participate in 60 hours of directed practicum at an assigned site (4 hours per week).

## Economics (ECON)

**ECON 200 - Principles of Macroeconomics (3)**

Gen Ed Economics, Cultural Competence

*Prerequisite or Co-requisite: ENGL 101 and (any 100 level MATH course or higher OR appropriate score on mathematics placement test)*

Explores concepts of macroeconomics including national accounts, national income analysis, unemployment, inflation, business cycles, fiscal and monetary policies, and the monetary system. Utilizes an essentially macroeconomic approach, incorporating the impacts on and of various social constructs.

**ECON 202 - Principles of Microeconomics (3)**

Gen Ed Economics

*Prerequisite or Co-requisite: ENGL 101 and (any 100 level MATH course or higher OR appropriate score on mathematics placement test)*  
(formerly EC 202)

Explores the behavior of individual consumers and business firms and emphasizes price theory, the impact of different market structures upon economic activity, distribution, international trade, and economic development with an essentially micro-economic approach.

## Education (EDUC)

**EDUC 110 - Schools and Society (3)**

Gen Ed Education

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly ED 102)

Examines the historical, philosophical, and social development of American education. Students will learn methods, concepts, and principles of education. They analyze and reflect on the processes of teaching and learning. They explore the interrelationships of education, social institutions, and pluralistic culture. Students will also reflect on ways that values, skills, and experience shape and are shaped by schooling and society. Observations, teaching, and a portfolio are required. Fifteen hours of documented observation are required.

**EDUC 220 - Educational Psychology (3)**

*Prerequisite: PSYC 101*  
(formerly ED 202)

Introduces the nature and theories of learning processes. Focuses on classroom interaction and its influence upon the learning process and the growth and development of the child. (This course satisfies the Maryland State Department of Education professional education course work in human learning.) Fifteen hours of documented observation are required.

**EDUC 230 - Foundations of Special Education (3)**

Cultural Competence

*Prerequisite: EDUC 110 or ED 102 or ECED 105 or ECD 101*

(formerly ED 203)

Provides an overview of critical issues and strategies related to educating students who have been identified as exceptional. The course content focuses on historical and legal foundations of special education, inclusive education, developmental characteristics of exceptional students, and strategies for accommodating students. (This course satisfies the Maryland State Department of Education professional education course work in inclusion of special populations.) Fifteen hours of documented observation are required.

**EDUC 240 - Processes and Acquisition of Reading (3)***Prerequisites: 30 credits including ENGL 101 and PSYC 101 or teacher certification*

(formerly ED 214)

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development and the study of current issues in reading research. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. The course includes an introduction to language structures, including spoken syllables, phonemes, graphemes, and morphemes. Participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, and exceptionalities. Participants will be introduced to current scientific research related to literacy acquisition.

**EDUC 242 - Instruction of Reading (3)***Prerequisite: EDUC 240 or ED 214*

(formerly ED 215)

Facilitates understanding and use of a representative array of research-based instructional techniques and strategies in the area of reading. The course emphasizes instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency; vocabulary development; and comprehension) suitable for various age and ability groups. Throughout the course, students will demonstrate their skill with instructional routines and strategies through role-play, live demonstrations, and critique of models, and review the research evidence relevant to those approaches.

**EDUC 244 - Materials for Teaching Reading (3)***Prerequisite: EDUC 240 or ED 214*

(formerly ED 216)

Assists pre-service and in-service teachers in understanding and using the findings of scientific research to select, evaluate, and compare instructional programs and materials for teaching reading. Participants will learn strategies for enabling students to become strategic, fluent, and independent readers using a variety of texts and other materials. They will develop techniques to involve parents, school staff, and members of the community in children's reading development and enjoyment.

**EDUC 246 - Assessment for Reading Instruction (3)***Prerequisites: (EDUC 240 or ED 214) and (EDUC 242 or ED 215)*

(formerly ED 217)

Assists pre-service and in-service teachers in becoming proficient consumers and users of classroom-based assessments and assessment data. Instruction focuses on the purposes of assessment, types of assessment tools, administration and use of several valid, reliable, well-researched formal and informal assessments of reading and related skills, effective interpretation of assessments results, and communication of assessments results in a variety of contexts. Participants will show that they can use assessment data to guide instructional decisions. Participants will demonstrate their abilities by selecting, administering, and/or interpreting assessments appropriate for screening, diagnosis, monitoring of progress, and measurement of outcomes.

**EDUC 248 - Teaching Reading in the Content Areas, Part I (3)***Prerequisites: 30 credits including ENGL 101 and PSYC 101 or teacher certification*

(formerly ED 218)

Provides students with an understanding of the essentials of reading processes necessary for secondary students to become proficient readers. Participants gain an understanding of the following five areas: purposes and types of reading, methods of assessing reading, strategies and skills in reading, student-centered reading instruction, and affective dimensions of reading. (This course can be used to partially satisfy the Maryland State Department of Education reading requirement for secondary teachers.)

**EDUC 249 - Teaching Reading in the Content Areas, Part II (3)***Prerequisite: EDUC 248 or ED 218*

(formerly ED 219)

Expands on Part I, focusing on types of reading, skills in reading, and instruction. The emphasis will be on teaching secondary student to learn from text. Participants will formulate research questions, complete a literature review, and implement and evaluate a coherent literacy plan. Participants will also implement reading and writing strategies that promote student mastery of subject content. (This course can be used to partially satisfy the Maryland State Department of Education reading requirement for secondary teachers.)

## Educational Psychology (EDPS)

**EDPS 210 - Human Growth and Development (3)**

Gen Ed Education

*Prerequisite or Co-requisite: ENGL 101*

(formerly ED/PS 208)

Presents central concepts related to parameters of human development through the life span. Includes physical, social, emotional and mental development at the various stages of life. Considers the influence of culture as well as individual differences. (This course satisfies the Maryland State Department of Education professional education course work in child or adolescent development.) This course requires a service learning experience.

## Emergency Management (EMGT)

### EMGT 101 - Disaster, Crisis, and Emergency Management (3)

Gen Ed Emerging Issues

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly EM 101 and ID 225)

Introduces students to the dynamic and relevant world of disaster, crisis, and emergency management. Conducts a review of the history, social, political, and economic implications of disasters, giving students the opportunity to explore the world of Emergency Management and experience the satisfaction of serving, survivability, and the heartache of devastation. Provides experience with effective writing, critical thinking, and historical and social awareness as students examine the emergencies of past, present, and future.

### EMGT 104 - Disaster Response and Recovery (3)

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly EM 104)

Provides students with an understanding of disaster response and recovery operations in emergency management. Examines the nature of emergencies and disasters; presenting opportunities to identify the human responses in the disaster process, assess current procedures for response operations, review recovery policies and programs, and explore methods to promote the return to normalcy. Places additional specific focus on the understanding of the roles of multiple stakeholders in both response and recovery.

### EMGT 106 - Hazard, Risk, and Mitigation (3)

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly EM 106)

Provides the student with a thorough understanding of mitigation for disaster management, and the application of hazard management. The student will investigate various methods of risk management, risk reduction, risk avoidance, risk acceptance, and risk transfer to address both structural and non-structural mitigation. The concept of sustainability and its role in local land-use planning is examined.

### EMGT 110 - Federal Emergency Management (3)

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly EM 110)

Provides the student with the understanding of the role of the United States of America federal government in emergency management on the national level, and the influence of the federal government on local, regional, state, and international emergency management. Examines the role of federalism in the delivery of emergency management services. Investigates the historical development of the federal emergency management effort with emphasis on significant events that shaped policy and the level of involvement of the federal government. Analyzes current emergency management policies and efforts of the federal government with discussion of future trends and their potential outcomes.

### EMGT 111 - Preparing and Securing the Homeland (3)

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly EM 111)

Provides students with a thorough understanding of the strategic, political, legal, and organizational challenges associated with the protection of the U.S. homeland. Examines the range of potential threats to the U.S. homeland, including the historical foundation of terrorism. Introduces the role of emergency management in the response to the growing threat of domestic and international terrorism. Focuses on the implications of homeland security challenges and policies for constitutional rights, legal protections, and civil liberties.

### EMGT 115 - Foundations of Emergency Management (3)

*Prerequisites: FEMA 131 and FEMA 151 and FEMA 205*

(formerly EM 115)

Introduces the position and responsibilities of an emergency manager, the history of the emergency management field, and key operational tools including the National Incident Management System (NIMS), the Incident Command System (ICS), and the Emergency Operations Center (EOC). Surveys emergency management as an integrated system that networks resources and capabilities together to adaptably address all hazards for the whole community.

### EMGT 125 - Emergency Management Coordination (3)

*Prerequisites: FEMA 150, FEMA 161, FEMA 171*

(formerly EM 125)

Introduces the fundamentals of comprehensive emergency management coordination efforts. Surveys means of networking resources and capabilities from multiple levels and types of organizations to support effective all-hazard response. Explores national response coordination and organization systems, the role of public information within them, and the impact of evolving technologies on all stages of the process.

### EMGT 130 - Integrated Emergency Management (3)

*Prerequisite or Co-requisite: (EMGT 101 or ID 225) or FIRE 107*

(formerly EM 130)

Provides students with an understanding of the concept of Integrated Emergency Response to disasters and other critical incidents. Students examine the role of Integrated Emergency Preparedness in the government environment, and expand the understanding to public-private cooperation in emergency management. Note: While not an official prerequisite, students are encouraged to take EMGT 106 prior to (or during the same semester as) they intend to enroll for this course.

### EMGT 135 - Leadership and Management (3)

*Prerequisites: FEMA 132, FEMA 134, and FEMA 135*

(formerly EM 135)

Introduces the concepts of leadership and influence in emergency management contexts. Describes the attributes of effective decision making and basic quality assurance processes. Identifies and develops essential communication skills needed to convey emergency precautions and decisions to diverse workforce and community audiences, with special regard for ensuring equitable understanding among all disaster victims and community members. Explores the history of volunteer organizations' role in emergency response, and how effective communication strategies may be leveraged to develop and manage an emergency volunteer program.

### EMGT 165 - Animals in Disasters (3)

*Prerequisites: FEMA 109, FEMA 110, and FEMA 138*

(formerly EM 165)

Explores the conceptual and practical challenges of developing a coordinated emergency management operation in which animals, livestock, agricultural assets, and their owners are affected. Introduces students to various specialized resources unique to animal-inclusive emergency planning and disaster response, with special focus on issues necessary for consideration in the creation of public guidance and animal care annexes to operational, mitigation, and recovery plans.

**EMGT 177 - Emergency Management Education Planner (3)**

*Prerequisites: FEMA 156, FEMA 180, and FEMA 196*  
(formerly EM 177)

Explores core concepts and resources for disaster planning specifically focused on primary, secondary, or post-secondary educational institutions. Develops skills necessary for creating, implementing, and maintaining school Emergency Operations (EOPs) and preparedness activities. Investigates theoretical connections between the preparation, response, and recovery cycle for schools, and for mass casualty incidents, and practically transferable strategies for when mass casualty events occur in school environments.

**EMGT 181 - Community Preparedness Planner (3)**

*Prerequisites: FEMA 158, FEMA 189, and FEMA 213*  
(formerly EM 181)

Orients students to several common varieties and sizes of natural and human-caused disaster, and their potential effects on families, communities, and business facilities and operations. Explores planning, preparedness, risk mitigation, and training activities and systems at the individual, organizational, and community levels. Investigates tools, skills, and organizations that will prepare students to become more involved as preparedness advocates and community responders.

**EMGT 187 - Disaster Construction Issues (3)**

*Prerequisites: FEMA 104, FEMA 105, and FEMA 144*  
(formerly EM 187)

Introduces related issues and considerations for post-disaster construction projects, including the National Incident Management System (NIMS), Incident Command System (ICS), Executive Order 12699, National Flood Insurance Program (NFIP), and their associated policies and regulations. Explores the needs of Environmental & Historic Preservation initiatives, and their interactions with the process of building for recovery or mitigation. Examines construction's effects on environment, population, historical/cultural sites pre- and post-disaster, analyzing the difference between practical necessity and compliance requirements.

**EMGT 197 - Tactical Scholar Reflection (3)**

*Prerequisite or Co-requisite: EMGT 115*

The culminating experience of the Emergency Management Tactical Scholars Program. Summarizes the doctrine and policy required by study of specialized topics within the emergency management discipline. Provides opportunities to apply disciplinary principles to real-life emergency scenarios through case studies, exercises, and other problem solving practice. Explores the factors, impacts, and ramifications of the emergency management policy development and implementation process.

**EMGT 201 - Public Safety GIS and Technology (3)**

*Prerequisite or Co-requisite: (EMGT 101 or ID 225) or FIRE 107 or GISA 101*  
(formerly EM 201)

Introduces students to the technologies, applications, and tools relevant to the current emergency management professional environment. Explores the impact of a rapidly improving technological environment on all phases of the emergency management process and discusses potential means of leveraging technology to improve known deficiencies. Focuses intensively on the applications of Geographic Information Systems (GIS) technology with a view to preparing students for its necessary use in emergency management careers. Offers experience in working with, creating, and interpreting GIS maps and other visual products. Discusses the future changes and challenges facing the emergency management discipline as a result of continued technological growth.

**EMGT 213 - Social Impacts of Disaster (3)**

Cultural Competence

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly EM 213)

Provides students with an enhanced awareness of the response planning and response challenges of diverse individuals, groups, and communities to disaster. Students will discover how disasters influence structures, interactions, and subjective perceptions among community members. Examines how social inequality, including race, ethnicity, class, and gender, result in enhanced vulnerabilities in disasters. Students will analyze the diverse cultural rules and biases of response organizations and communities that converge during disasters.

**EMGT 215 - Planning and Response (3)**

*Prerequisites: FEMA 140, FEMA 159, FEMA 174*  
(formerly EM 215)

Introduces the concepts and core components of the emergency planning process, including the rationale behind planning as an emergency management process. Introduces participants to the key concepts and principles of the National Response Framework. Describes key Mission Assignment (MA) concepts and provides knowledge needed to carry out MA processing responsibilities.

**EMGT 220 - Emergency Operations Planning (3)**

*Prerequisite or Co-requisite: EMGT 101*  
(formerly EM 220)

Provides a thorough understanding of risk management, operational planning, and strategic planning as applied in current emergency management policy. Teaches evaluation and use of current policy tools to determine risk vulnerabilities and capabilities, critically evaluate an emergency operations plan, identify the components of an emergency operations plan, and assess the purpose of strategic planning.

**EMGT 221 - Public Safety Leadership and Ethics (3)**

*Prerequisite or Co-requisite: EMGT 201 or FIRE 201 or CCJS 204*  
(formerly EM 221)

Provides the student with understanding of leadership theories, skills, and techniques for application in public safety. Introduces the concept of effective leadership in public safety by identifying leadership models utilized in management throughout the lifecycle of incidents, and evaluating current public safety leaders.

**EMGT 225 - Emergency Management Mitigation (3)**

*Prerequisites: FEMA 157, FEMA 186, and FEMA 187*  
(formerly EM 225)

Explores the reasons and need for planning for a sustainable, disaster-resistant community. Introduces participants to mitigation basics for both natural and human-driven disasters. Describes the Continuity Management Program, Process and Cycle, the fundamentals of Risk Management, and the importance of Devolution Planning.

**EMGT 235 - Recovery, Assessment, and Exercise (3)**

*Prerequisites: FEMA 103 and FEMA 181 and FEMA 201*  
(formerly EM 235)

Exposes students to the fundamental concepts and frameworks of a post-emergency recovery effort, and methods for enhancing and refining such efforts. Explores the types of exercises, the exercise cycle, and their role during and in preparation for real response and recovery events. Discusses optimization of resource availability and distribution in recovery, including methods of incorporating partner entities in the private and nonprofit sectors.

**EMGT 297 - Emergency Management Capstone (3)**

*Prerequisite: ENGL 101; Prerequisite or Co-requisite: EMGT 220 and EMGT 221*

(formerly EM 297)

As the culminating experience for the Emergency Management Track II major, this course enables students to exercise critical thinking and evaluation skills, while applying comprehension of the emergency management discipline. Students will write a research paper, under the supervision of a faculty mentor, which demonstrates the ability to analyze and synthesize the theories and practices to reduce vulnerability to hazards and mitigate disasters.

## Engineering (ENGR)

**ENGR 100 - Introduction to Engineering Design (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND (MATH 165 or MA 111)*

(formerly EG 100)

Develops basic concepts of engineering approaches to problem solving and the skills for the design and timely fabrication of the designed product.

**ENGR 110 - Engineering Statics (3)**

*Prerequisites: ENGR 100 and (MATH 185 or MA 210)*

(formerly EG 110)

Introduces static equilibrium of rigid bodies. Topics include scalars and vectors, forces, free-body diagrams, structural analysis, friction, center of gravity, and moment of inertia.

*This course is only offered in the Fall.*

**ENGR 210 - Mechanics of Materials (3)**

*Prerequisites: (MATH 195 or MA 211) and (PHYS 151 or PY 203)*

(formerly EG 210)

Presents the analysis of systems of forces on a deformable body. Topics include tension, stress, and shear applied to beams, columns, shafts, and other machine and structural parts.

*This course is only offered in the Spring.*

**ENGR 212 - Engineering Dynamics (3)**

*Prerequisite or Co-requisite: MATH 285 or MA 212*

(formerly EG 211)

Examines the motion of bodies relative to each other in two and three dimensions. Topics include force-acceleration, work-energy, and impulse-momentum relationships.

**ENGR 214 - Engineering Thermodynamics (3)**

*Prerequisites: CHEM 102 and (ENGR 212 or EG 211) and (MATH 285 or MA 212) and (PHYS 252 or PY 204)*

(formerly EG 214)

Introduces engineering thermodynamics. Topics include the laws of thermodynamics, thermodynamic properties of materials, energy transfer, thermodynamic cycles, and mixtures.

## English (ENGL)

**ENGL 70 - Introduction to College Reading and Writing (0) [6]**

*Prerequisite: Appropriate scores on the reading and writing placement tests (formerly EN 70)*

Provides extended practice with academic writing based on college-level texts. The course stresses the interaction between critical reading, writing, and thinking. The course offers structured practice and support with writing academic essays, improving reading comprehension, and increasing critical reading skills to succeed in future college academic tasks. Students are guided to become flexible, confident, and independent readers and writers.

**ENGL 75 - Reading and Writing in the Academic Disciplines (0) [4]**

*Prerequisite: Appropriate scores on the reading and writing placement tests (formerly EN 75)*

Promotes the integrated approach to the development of active reading and writing strategies for the tasks and texts students encounter in college. The course stresses the interaction among the reader, the text, and the context and one's ability to critically respond to a variety of writing situations. The course addresses whole discourse and sentence-level matters. Students are guided to become independent readers and writers.

**ENGL 100 - Advanced Reading for Composition (2)**

*Prerequisites: (Grade of C or better in ENGL 70 or ENGL 75) or (appropriate scores on the reading and writing placement tests) or (ESOL 72 and ESOL 73) or ESOL 100; Co-requisite: ENGL 101*

(formerly ACE 100)

Provides supplemental reading and writing support for students co-enrolled in English Composition (ENGL 101). The course targets critical reading strategies necessary for success in ENGL 101 and other college-level courses that require intensive reading. Students are guided to become independent readers capable of engaging in rigorous academic conversations.

**ENGL 101 - English Composition (3)**

Gen Ed English

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 or satisfactory performance on the writing assessment and satisfactory performance on the reading assessment*

(formerly EN 101)

Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.

**ENGL 102 - English Composition and Literature (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*

(formerly EN 102)

Reinforces, through an examination of literature, the reading, writing, critical thinking, and information literacy skills introduced in English Composition. By exploring literary texts from fiction, poetry, and drama, students learn to clarify their own values and identities as well as develop a better understanding of ideas and cultures beyond their own experience.

**ENGL 201 - British Literature Anglo-Saxon Period to the Eighteenth Century (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*

(formerly EN 201)

Surveys the literature of Great Britain from the Anglo-Saxon period to the eighteenth century. The growth of a nation, social classes, the rise and questioning of the monarchy, the role of women, and early colonialism are explored through poetry, prose fiction and nonfiction, and drama.

**ENGL 202 - British Literature Eighteenth Century through the Present (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*

(formerly EN 202)

Surveys the literature of Great Britain from the eighteenth century through the present. The rise of industry, changing views of gender and citizen, the rise and fall of an empire, world wars, and artistic experimentation are explored through the literary genres of poetry, fiction, and drama.

**ENGL 203 - American Literature Pre-Colonial through Civil War Periods (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*

(formerly EN 203)

Surveys American literature from its pre-contact beginnings. Culture clash, settlement, rebellion, and the rise of a democratic republic are explored through histories, diaries, sermons, pamphlets, poetry, essays, and fiction.

**ENGL 204 - American Literature Civil War Period through the Present (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*

(formerly EN 204)

Surveys American literature from the late 19th Century to today. The rise of industrialism, world wars, the fragmenting of society, and artistic experimentation are explored through the literary genres of poetry, fiction, and drama.

**ENGL 205 - World Literature through 1650 C.E. (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: ENGL 101*

(formerly EN 205)

Surveys selected works of western and non-western literature from their beginnings through 1650 C.E. Cultural and historical contexts are explored through a wide range of literary forms.

**ENGL 206 - World Literature 1650 C.E. through the Present (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: ENGL 101*

(formerly EN 206)

Surveys selected works of western and non-western literature from 1650 C.E. through the present. Cultural and historical contexts are explored through a wide range of literary forms.

**ENGL 210 - Creative Writing (3)***Prerequisite: ENGL 101*

(formerly EN 210)

Introduces skills of writing fiction and/or poetry and/or creative nonfiction. The complexities of creative writing as a craft and an art are explored through analysis of representative works, study of techniques, and extensive practice.

**ENGL 212 - Newswriting and Reporting (3)***Prerequisite: ENGL 101*

(formerly EN 212)

Provides instruction and practice in news reporting and in the fundamentals of newswriting. Professional news stories in newspapers, magazines, and the Web will be analyzed and evaluated. The course concentrates on key rhetorical elements, organization, and structure of common news, features, and opinion articles, both in print and digital news mediums.

**ENGL 216 - The Short Story (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*

(formerly EN 216)

Surveys a wide variety of short stories that explore themes relevant to life experiences. Analyzes the elements of the short story with emphasis on thematic development and relevance of the stories to life experiences in a variety of cultures and nations.

**ENGL 219 - Technical Writing (3)***Prerequisite: ENGL 101*

(formerly EN 219)

Develops the skills necessary for effective professional communication and workplace writing. Students compose a variety of texts, including professional e-mails and letters, microblogs (social media content), web page content, informal and formal reports, graphics, and presentations.

**ENGL 222 - Creative Writing Practicum: Tuscarora Review Editorial Board (3)***Prerequisite: ENGL 210 or permission of instructor*

(formerly EN 222)

Provides opportunities for students to work on the College's magazine of the creative arts for credit by evaluating submissions of essays, short stories, poetry, drama and two-dimensional art; by copy editing the material; and by laying out the magazine. May be taken three times for a maximum of nine credits.

**ENGL 226 - Film as Literature (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*

(formerly EN 226)

Surveys selected films and their counterparts in literature. Emphasizes narrative abilities of film.

**ENGL 227 - Multiculturalism and Literature: Borders, Boundaries, and Belonging (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: ENGL 101*

(formerly EN 227)

Examines the diverse views of humankind and the human condition through the reading of selected works from a variety of historically underrepresented groups.

**ENGL 230 - African American Literature (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: ENGL 101*

(formerly EN 230)

Surveys a wide variety of African American literature: fiction, drama and poetry. Analyzes the elements of each of the genres with emphasis on the literature as a response to people and events affecting African American life, culture and rights.

**ENGL 231 - English Language Studies (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*

(formerly EN 231)

Introduces English language studies through a linguistics perspective, promoting a systematic approach to the study of language. Focuses on prescriptive versus descriptive approaches to grammar and syntax; sub-disciplines of linguistics: phonology, morphology, semantics, stylistics, discourse analysis, and sociolinguistics; English language variation, change, and development; and the role of English language in a multicultural society.

**ENGL 241 - Journalism Publication Practicum (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: ENGL 101*

(formerly EN/CMM 241)

Provides instruction and laboratory experience in writing, editing, designing, and publishing print and digital content for The Commuter. Students receive practical experience in journalistic and social media content, curation, editing, design, photography, and digital production using industry standard software. Students will create and produce three journalistic publications per semester.

**ENGL 246 - Writing for Online Media (3)***Prerequisite: ENGL 101*

(formerly EN 246)

Introduces students to key elements of writing for Web communities. Students will learn techniques to create written content for promotional e-mails, website pages, social media, and blogs. Students will use multiple writing strategies, and draw from expository, creative, and journalistic modes of expression. Students will work with a client to develop a digital content strategy for promoting an idea, product, event, or service and complete several pieces of original content to start building a professional portfolio.

## English for Speakers of Other Languages (ESOL)

**ESOL LA - Language Acquisition (0) [3]**

Accompanies ESOL 100 - English for Academic Purposes.

**ESOL 90 - Communication Skills for Language Learners (0) [2]***Prerequisite: Appropriate score on the College placement tests; Co-requisite: ESOL 100 and COMM 101*

Provides supplemental listening, speaking, and writing support for students co-enrolled in Introduction to Communication Studies (COMM 101). This course targets critical listening, note taking, drafting, and presentation strategies necessary for success in COMM 101 and other college-level courses. Students learn to become effective, independent learners in academic settings. Students will also engage in case studies, role-plays, and critical analysis of intercultural, interpersonal, and professional communications.

**ESOL 100 - English for Academic Purposes (3)***Prerequisite: Appropriate scores on the College placement tests*

Designed for English language learners whose competency is at the high intermediate level. Includes integrated instruction in writing, reading, listening, and speaking with a focus on conventions consistent with academic standards. This course focuses on expanding critical reading and writing skills through extensive reading and analysis of essays and academic texts and composition of original essays and presentations. Additional focus is placed on listening and speaking skills essential for success in academic settings.

## Federal Emergency Management (FEMA)

**FEMA 101C - Environmental Health in Emergency Response (1)**

Introduces students to the concept of environmental health in emergency response and the role of the Environmental Health Responder (EHR). Covers basic information on emergency environments an EHR may encounter, principles of environmental health that are likely to be applied in these environments, and resources that define EHR procedures in emergency scenarios. Prepares students for continued study of Environmental Health Response at the operational, planning, and managerial levels.

**FEMA 103 - Community Disaster Exercise (1)**

(formerly FEM 103)

Introduces the fundamental components and concepts that underpin emergency management exercises, the Homeland Security Exercise and Evaluation Program (HSEEP), and the exercise planning cycle. Orients students to the considerations necessary in exercise design, along with the roles and responsibilities of the exercise planning and exercise evaluator teams. Discusses the exercise evaluation process and principles, the purpose and design of necessary documentation elements, and places specific emphasis on the tasks of the individual evaluator throughout the exercise evaluation process.

**FEMA 104 - Earthquake Structural Mitigation (1)**

(formerly FEM 104)

Provides students involved in state and local governments, and the building and financial industries, with knowledge concerning the requirements of federal and federally assisted or regulated new building construction. The course is also intended to provide the student with basic knowledge about earthquakes and how buildings can be built to be safe during an earthquake.

**FEMA 105 - Retrofitting Flood-Prone Residential Structures (1)**

(formerly FEM 105)

Provides students with the essential, nontechnical background knowledge about retrofitting. The retrofitting measures presented are creative and practical, comply with applicable floodplain regulations, and are satisfactory to homeowners.

**FEMA 109 - Introduction to Animals in Disaster (1)**

(formerly FEM 109)

Intended to increase awareness and preparedness among animal owners and care providers. It includes sections on typical hazards, how these affect animals and what can be done by responsible owners to reduce the impact of disasters. It is also intended to help animal owners, care providers and industries to better understand emergency management. Course material will heighten awareness of the special issues that emergency managers need to consider when incorporating animal-care annexes into their emergency operations plans.

**FEMA 110 - Animals in Disaster Planning (1)**

(formerly FEM 110)

Intended to guide emergency management officials and animal owners, care providers, and industries in preparing community disaster plans. The goal is to provide sufficient information for both groups to meet and develop meaningful and effective plans that improve the care of animals, their owners, and the animal-care industries in disasters. This course provides the basic background knowledge needed to develop a coordinated response to a disaster in which animals and their owners are affected. Further training with local or state emergency management programs is essential.

**FEMA 122 - Community Hurricane Preparedness (1)**

(formerly FEM 122)

Provides emergency managers and disaster coordinators with basic information about the nature of hurricanes and the hazards they pose, and how the National Weather Service (NWS) forecasts future hurricane behavior.

**FEMA 127 - Emergency Management of Hazardous Weather (1)**

(formerly FEM 127)

Designed to provide the student with a solid background in understanding hazardous weather and community risks so they can communicate effectively with the local National Weather Service office and their community.

**FEMA 131 - Principles of Emergency Management (1)**

(formerly FEM 131)

Provides an introduction to the fundamentals of emergency management as an integrated system. Surveys how the resources and capabilities of organizations at all levels can be networked together in emergency management phases for effective hazard response.

**FEMA 132 - Leadership and Decision Making Concepts (1)**

(formerly FEM 132)

Introduces students to leadership skills and influence types, with a particular focus on trust-building and facilitation of change through a leadership role. Examines critical decision making and problem solving strategies for emergency management managerial, planning, and response roles. Explores a five-step problem solving model and its applications, especially in group situations or emergency conditions.

**FEMA 134 - Effective Communication (1)**

(formerly FEM 134)

Provides an introduction to communication and interpersonal skills needed by local emergency managers, planners, and responders. Develops communication skills needed in emergency management situations.

**FEMA 135 - Volunteerism and Emergency Management (1)**

(formerly FEM 135)

Provides a basic orientation to the types of volunteer organizations active in the emergency management community, the roles they commonly play, and the history of volunteer disaster assistance in the United States. Investigates characteristics of disaster volunteer management programs, with emphasis on the recruitment, management, assignment, and motivation of volunteer groups.

**FEMA 136 - Debris Operations (1)**

(formerly FEM 136)

Provides an introduction to the fundamentals of Debris Operations in an emergency management environment. Defines and describes the functions of individuals and organizations in debris operations. Identifies and discusses critical debris operations issues. Surveys funding, eligibility, and contracting issues related to debris operations.

**FEMA 138 - Livestock in Disasters (1)**

(formerly FEM 138)

Provides an introduction to the issues farmers and emergency managers must deal with during an emergency management environment. Examines approaches that will mitigate the impact of disasters on livestock. Discusses emergency planning for farming communities. Defines different types of disasters and how each affects livestock.

**FEMA 140 - Emergency Planning (1)**

(formerly FEM 140)

Introduces the fundamentals of the emergency planning process, including the rationale behind planning. Presents reasons for effective participation in the all-hazard emergency operations planning process to save lives and protect property threatened by disaster. Designed for emergency management personnel who are involved in developing an effective emergency planning system.

**FEMA 144 - Environmental and Historic Preservation (1)**

(formerly FEM 144)

Provides students with the background and practical knowledge needed to participate in FEMA's environmental and historic review process. The course will also cover how the environmental/historic preservation review process applies to various job responsibilities within FEMA's programs.

**FEMA 150 - Incident Command System (ICS) (1)**

(formerly FEM 150)

Describes the history, features, principles, and organizational structure of the Incident Command System (ICS). Explains the relationship between the Incident Command System (ICS) and the National Incident Management System (NIMS). Provides advanced training, exercises, and resources for personnel who are likely to assume a supervisory position within the Incident Command System (ICS).

**FEMA 151 - National Incident Management System (NIMS) (1)**

(formerly FEM 151)

Provides a comprehensive understanding of the National Incident Management System (NIMS), including its purpose, principles, key components, and benefits. Specifically explores the planning, coordination, and resource management functions of NIMS, and the system's relationship with the Incident Command System (ICS).

**FEMA 156 - Emergency Management Principles for Educational Environments (1)**

(formerly FEM 156)

Provides an orientation to basic emergency management principles, activities, and planning strategies that is specifically tailored to the needs of K-12 schools and postsecondary educational institutions. Introduces the concepts of comprehensive emergency management, risk assessment, planning, and plan exercise as they are applied in school settings. Offers opportunities to study and practice situation analysis, planning team formation, and development of Emergency Operations and Recovery Plans.

**FEMA 157 - Introduction to Hazard Mitigation (1)**

(formerly FEM 157)

Introduces the National Mitigation Framework and mitigation's place in serving the National Preparedness Goal. Details processes for developing community support, identifying potential hazards, assessing risk, and accessing community and outside agency assistance in the process of mitigation planning. Investigates economic impacts of disasters, the Hazard Mitigation Assistance (HMA) program, and discusses potential reductions in cost and damage resulting from the development of a Hazard Mitigation Plan built on risk management principles.

**FEMA 158 - Protecting Your Home and Small Business from Disaster (1)**

(formerly FEM 158)

Presents in a non-technical format specific protective measures that can reduce the negative consequences of disasters upon homes or small businesses.

**FEMA 159 - National Preparedness Frameworks: Prevention, Protection, and Response (1)**

(formerly FEM 159)

Introduces the National Prevention, Protection, and Response Frameworks as both guiding documents and interlocking components in service of the broader National Preparedness System. Investigates the doctrine, stakeholders, and core capabilities prescribed for each Framework's mission area, with particular focus on those principles or partners deemed necessary across multiple Frameworks. Orients students to the coordinating structures responsible for executing Framework elements, and explores the ways by which various processes and organizations work to fill those roles.

**FEMA 161 - Emergency Operation Center (EOC) (1)**

(formerly FEM 161)

Introduces the role, design, and functions of Emergency Operations Centers (EOCs) and their relationships to other components of a multi-agency coordination system. Discusses effective staffing, organization, and activation practices. Prepares students to set EOC priorities and make necessary operational decisions during EOC activation, incident response, and incident support.

**FEMA 170 - The Mitigation eGrants System: Comprehensive Training (1)**

(formerly FEM 170)

Introduces the Mitigation Electronic Grants (eGrants) Management System, the eligible users thereof, and the varieties of FEMA grant programs supported by the online eGrants application. Orients students to the authorities, functionality, and responsibilities of users in applicant, subapplicant, and FEMA administrative roles within eGrants. Provides instruction on and practice for practical utilization of the administrative, application submission, and monitoring aspects of the system.

**FEMA 171 - Coordinating Information & Resource Sharing for Emergency Management (1)**

(formerly FEM 171)

Orients students to the roles, means, and infrastructure necessary for efficient sharing of informational and physical resources before and during an emergency. Introduces the role of the Public Information Officer (PIO) and the mutual aid and assistance agreement, and explores their benefits and utility. Examines the nature and application of social media platforms, how they differ from traditional media outlets, and how these differences affect the dissemination of information and resources to a PIO's audiences.

**FEMA 173 - Risk and Continuity (1)**

(formerly FEM 173)

Introduces the conceptual and legal foundations of continuity, as well as the commonly practiced types of continuity planning, with particular attention paid to devolution plans. Explores the Continuity Management Cycle and its role in developing and sustaining a viable continuity program. Examines the nature and human perception of risk, threat, and vulnerability, and how each is incorporated into a continuity plan and communicated to the public.

**FEMA 174 - Federal Disaster Assistance (1)**

(formerly FEM 174)

Explores the full spectrum of the Points of Distribution (POD) mission during response operations. Introduces students to key Mission Assignment (MA) concepts and provides knowledge needed to carry out MA processing responsibilities. Examines the Public Assistance Program and the process applicants follow to receive grant funding assistance in the aftermath of a disaster.

**FEMA 176 - Continuity of Operations Planning for Pandemics Exercise (1)**

(formerly FEM 176)

Introduces students to the characteristics of a pandemic influenza, the effects on every facet of society and the steps to minimize the effects. Covers fundamental continuity principles and processes with a pandemic focus. Describes strategies for social distancing and special protection for first responders, healthcare personnel, and other daily contact with the public.

**FEMA 180 - Planning for Vulnerable Populations (1)**

(formerly FEM 180)

Introduces students to the concepts, methods, and principles of emergency planning for children in disasters. Explores public and private guidance for implementing children's preparedness, response, recovery, and mitigation programs. Examines the unique needs that arise among children as a result of a disaster and/or emergency.

**FEMA 181 - Public-Private Partnerships: Planning, Maintenance, and Special Considerations (1)**

(formerly FEM 181)

Introduces the role, terminology, and core concepts of working with public-private partnerships in the emergency management arena. Discusses the uses of such partnerships in improving overall community planning, response, recovery, and mitigation efforts. Instructs on recommended procedures for identifying, forming, maintaining, and evaluating these partnerships. Explores techniques for adapting and utilizing these principles and partners to improve collaboration on, readiness for, and management of special events in the community.

**FEMA 183 - Public Works Role in Emergency Management (1)**

(formerly FEM 183)

Examines the details of the public works function in emergency management. Designed to help communities improve public works efforts prior to, during, and after disasters. This course is intended to help build local capacity for public works including planning for disasters, developing practices and procedures, conducting damage assessment, and participating in after-action reviews. This course also includes details of how the function of public works is integrated into the overall strategy for responding to disasters and its relationship to other emergency management functions.

**FEMA 184 - Logistics and the Defense Priorities and Allocations System (DPAS) (1)**

(formerly FEM 184)

Provides an overview of the logistics functions and organizational relationships within logistics from a Presidential disaster declaration to close-out of FEMA field offices. It examines how the Defense Priorities and Allocations System (DPAS) supports FEMA's mission and describes how DPAS supports timely delivery of critical materials and services to meet requirements including priority ratings for contracts and orders, placement of rated orders, the roles of FEMA employees in the DPAS process, and how to address DPAS challenges.

**FEMA 186 - Hazard Mitigation and Disaster Workforce Basics (1)**

(formerly FEM 186)

Equips students with the necessary knowledge to understand and communicate to the public the preparedness and prevention approaches that can reduce the impact of disasters. Students will also gain understanding of procedures for federal, state, local and private partners and the supporting role each agency plays in providing prevention and mitigation assistance for earthquakes, floods, hurricanes, tornados, and wildfires.

**FEMA 187 - State, Local, and Tribal Mitigation Planning (1)**  
(formerly FEM 187)

Introduces students to the policies, procedures, and planning process that guide mitigation planning efforts at sub-Federal levels. Reviews regulations and standards governing the creating and revision of State, Local, and Tribal mitigation planning documents. Equips students to both develop a mitigation plan at these jurisdictional levels, and to assess the adequacy of existing plans in complying with regulatory requirements.

**FEMA 188 - Critical Infrastructure Protection (1)**  
(formerly FEM 188)

Introduces the conceptual foundations of critical infrastructure, its importance, and the process of developing and implementing plans for its protection. Exposes students to Federal guidance and policy, with particular focus on the National Infrastructure Protection Plan (NIPP). Discusses fundamental concepts of risk management. Explores the types of threats critical infrastructure may face, and methods for effectively mitigating or otherwise responding to them.

**FEMA 189 - Preparedness in the Workplace and Community (1)**  
(formerly FEM 189)

Introduces basic preparedness concepts and strategies for improving workplace, business and community preparedness. The course provides guidance to students on how to contribute to improve workplace security in addition to best practices for responding to an active shooter situation. The course identifies surveillance activities and the indicators associated with them while outlining prevention steps aimed at identifying, monitoring, and reporting suspicious activities.

**FEMA 191 - Emergency Management & Technical Tools Application (1)**  
(formerly FEM 191)

Introduces students to preparedness communication tools to reach all members of their communities during an emergency. Explores the National Emergency Technology (NET) Guard program, how GIS technology can support emergency management, and the Integrated Public Alert and Warning System (IPAWS).

**FEMA 192 - Geospatial Information Systems Specialists (1)**  
(formerly FEM 192)

Introduces students to the disaster response role and responsibilities of a Geospatial Information Systems (GIS) Specialist. Explores what types of products need to be produced and what procedures must be followed to ensure that products are produced correctly and in a timely manner.

**FEMA 196 - Preparing for Mass Casualty Incidents: A Guide for Schools, Higher Education and Houses of Worship (1)**

(formerly FEM 196)  
Introduces students to recommended practices and resources for developing emergency plans to prepare for, respond to, and recover from mass casualty incidents.

**FEMA 197 - CERT Supplemental Training: The Incident Command System (1)**

(formerly FEM 197)  
Introduces students to principles of the Incident Command System (ICS) and helps learners understand how to effectively apply the principles through interactive real-life scenarios. Explores Community Emergency Response Team (CERT) activations, safety of disaster workers, acceptable leadership and organizational structures, and rescue effort approaches.

**FEMA 198 - Benefit-Cost Analysis Principles (1)**  
(formerly FEM 198)

Introduces students to fundamental Benefit-Cost Analysis (BCA) concepts and theory. Explores the process for gathering BCA data and the process for conducting analyses using the latest version of the Benefit Cost Toolkit. Examines projected damage amounts of hazard events; frequency, or Recurrence Interval (RI); and event duration analysis.

**FEMA 200 - Homeland Security Geospatial Operations & Management (1)**

(formerly FEM 200)  
Introduces Homeland Security Geospatial Concept-of-Operations (GeoCONOPS) doctrine. Students will discover the importance of GeoCONOPS to the National Preparedness System, National Incident Management System (NIMS), and the Incident Command System (ICS). Explores the controls and functions of the DHS Common Operating Picture (COP) application.

**FEMA 201 - National Disaster Recovery Framework (NDRF) Overview (1)**

(formerly FEM 201)  
Introduces students to the National Disaster Recovery Framework (NDRF), which provides a systematic approach and national organizing structure for Federal disaster recovery operations. Familiarizes students with key concepts, core principles, and roles and responsibilities of NDRF leadership. Investigates and compares the roles of individual, organizational, and governmental stakeholders in developing a successful disaster recovery effort.

**FEMA 203 - Dams Sector Security Awareness (1)**  
(formerly FEM 203)

Explores methods for identifying potential security threats to the nation's dams and levees and indicators of those threats. Includes an overview of protective measures used to reduce and manage risk within the Dams Sector.

**FEMA 205 - Fundamentals of Management and Support Coordination of Federal Disaster Operations (1)**

(formerly FEM 205)  
Introduces the Federal Emergency Management Agency (FEMA) and the National Preparedness Goal as guiding elements in development of emergency management policy and practice at all governmental levels and in the community. Familiarizes students with the six main component Frameworks of the National Preparedness System. Explores fundamental incident management knowledge necessary for providing support to disaster operations, including an overview of the FEMA Qualification System (FQS) and its applications.

**FEMA 206 - Substantial Damage Estimation (1)**  
(formerly FEM 206)

Guides students through independent installation, setup, and use of FEMA Substantial Damage Estimator (SDE) tool software. Introduces concepts of flood mapping, the damage assessment process, and damage estimation, and how SDE software and other technologies can assist in each. Explores applications of damage assessment on various elements of the National Flood Insurance Program (NFIP) from the perspective of both homeowners and government or insurance officials.

**FEMA 212 - Homeland Security Building Design for Continuity of Operations (1)**

(formerly FEM 212)

Provides guidance to the building sciences community working for public and private institutions, including Continuity of Operations (COOP) planners/managers, building officials, etc. Explores tools to help decision-makers assess the performance of their buildings against terrorist threats and to rank recommendations.

**FEMA 213 - Introduction to Community Emergency Response Teams (1)**

(formerly FEM 213)

Introduces the basic concepts, functions, and characteristics of Community Emergency Response Teams (CERTs), and their roles in all phases of emergency management. Explores CERT composition and interaction with the formal Incident Command System (ICS) structure before and during adverse events. Discusses fundamental concepts of voluntary personnel and resource management at the introductory level. Prepares students for further CERT training and official qualification via advanced coursework offered by their local jurisdiction.

**FEMA 214 - Reconstitution Planning (1)**

(formerly FEM 214)

Provides guidance to Federal Executive Branch departments and agencies for developing Continuity of Operations (COOP) Plans and Programs. Explores the advantages of developing effective and comprehensive reconstitution planning.

**FEMA 216 - The NEMIS Hazard Mitigation Grant Program: Training for All Users (1)**

(formerly FEM 216)

Introduces students to the National Emergency Management Information System (NEMIS) and the knowledge necessary for completion and submission of Hazard Mitigation Grant Program (HMGP) applications. Instructs regarding the database system used to track disaster data for the Federal Emergency Management Agency (FEMA) and assorted grantee emergency management offices. Explores application areas and requirements representing various functions within FEMA, and provides an orientation to the forms and procedures for successfully navigating them.

**FEMA 217 - Flood Insurance Coverage Basics (1)**

(formerly FEM 217)

Introduces students to Increased Cost of Compliance (ICC) coverage concepts as part of the Standard Flood Insurance Policy. Explores the National Flood Insurance Program (NFIP) and covered and non-covered building and personal property items. Examines the unique requirements for insuring condominiums and key characteristics and special adjustment issues for basement coverage.

**FEMA 218 - Flood Insurance: Mapping Concepts and Applications (1)**

(formerly FEM 218)

Introduces students to commercial flood exposures and how they are mapped, recorded, and insured within the National Flood Insurance Program (NFIP). Explores the types of flood maps and insurance studies, and investigates the impact of mapping changes on property owners, insurance agents, lending institutions, and others. Examines the Coastal Barrier Resources System (CBRS) and Otherwise Protected Areas (OPAs) and their impact on NFIP procedures.

**FEMA 219 - Principles of Flood Insurance Elevation (1)**

(formerly FEM 219)

Introduces students to Elevation Certificate (EC) and how EC's help floodplain administrators reduce flood risk. Explores lowest floor elevation for post-FIRM buildings in A or V zones as shown on the FEMA Elevation Certificate. Examines Biggert-Waters Flood Insurance Reform Act of 2012 (BW 12) legislation and the Homeowner Flood Insurance Affordability Act of 2014 (HFIAA).

**FEMA 220 - Fundamentals of Flood Insurance Claims (1)**

(formerly FEM 220)

Introduces students to Commercial Claims procedures covered in the National Flood Insurance Program (NFIP). Explores small and large commercial claims, certification requirements and adjuster authority, the General Property Form, and adjustment standards and requirements. Examines the history and organization of the NFIP, the Standard Flood Insurance Policy (SFIP), and the key terms and concepts that flood claims adjusters must know in order to accurately handle flood claims.

**FEMA 221 - Cultural Competence in Disaster: Before, During, and After (1)**

Cultural Competence

(formerly FEM 221)

Explores literacy and competency considerations that promote effective engagement of groups diverse in their religious faith, cultural background, or accessibility needs at all stages of emergency response. Examines the history of marginalization experienced by many of these groups and its impacts on effective disaster response. Orients students to the unique needs, etiquette, and relationships involved in outreach to various religious faiths. Analyzes the intersection of religious, cultural, and accessibility needs with socioeconomic and political factors. Discusses the influences of culture and perception on action and their implications for delivering equitable assistance to all disaster victims.

**FEMA 222 - Introduction to Unified Federal Review (UFR) (1)**

(formerly FEM 222)

Explores the Unified Federal Review (UFR) process and how it supports interagency coordination for Environmental and Historic Preservation (EHP) reviews during disaster recovery. Introduces students to EHP concepts in the UFR process. Examines the requirements of Federal Disaster Recovery Coordinators (FDRC) and Federal Coordinating Officers (FCO) in the UFR process.

**FEMA 223 - Federal Disaster Deployment Procedures (1)**

(formerly FEM 223)

Explores established best practices for acclimation to working and living conditions at domestic incidents. Introduces students to practical tips, advice, requirements, and expectations during a deployment. Examines the operation of portable/mobile radios, the basics of how radio systems work, and the principles and concepts of interoperable communications. Presents Federal Emergency Management Agency (FEMA) Travel Rules and Regulations that are required to be followed when working for FEMA.

**FEMA 224 - Hazard Mitigation Flood Management in Disasters (1)**

(formerly FEM 224)

Introduces students to the Hazard Management facets of the insurance and floodplain management fields, and offers an orientation regarding their major functional organizations, roles, and activities. Explores the legal basis and documentation for each field and the information sources relied upon by the organizations and responders involved. Provides training in the necessity of, and techniques and best practices for, critical collaboration in and between each field, and opportunities to apply those collaborative skills in practice.

**FEMA 225 - Telecommunicator Emergency Response Taskforce (TERT) Disaster Deployment Training (1)**  
(formerly FEM 225)

Provides basic preparedness training for Telecommunications Emergency Response Taskforce (TERT) personnel to enhance eligibility for and improve efficiency in potential deployment to disaster sites. Explores the mental, physical, and emotional elements of deployment preparedness, emphasizing a holistic, communication-based approach to addressing personal, familial, and situational concerns. Introduces the concept of stress and fatigue as additional challenges inherent to deployment, and details a variety of coping strategies to be used in planning for their mitigation. Orients TERT team leaders to legal authorizations and obligations pre-deployment, their role as inter-team communicators and facilitators, and responsibilities and potential surroundings during deployment scenarios.

**FEMA 226 - Introduction to the Facility Security and Risk Management Process (1)**  
(formerly FEM 226)

Introduces the Interagency Security Council (ISC) and orients students regarding its function, makeup, and authorities. Discusses the steps of the ISC's Risk Management Process (RMP) and examines the impact of each on facility resilience and preparedness. Explores specific practical applications of ISC governance and regulation (including facility security calculation, operation of Facility Security Committees, facility security financing procedures, etc.) and investigates the role each application plays in executing the RMP.

**FEMA 228 - Public Assistance Program: Practical Management Elements (1)**

Introduces necessary hands-on skills and administrative best practices for the development and operation of FEMA Public Assistance (PA) grant applications and awards. Explores the proper recordkeeping through both operation and FEMA Grants Portal software and physical documentation of grant-related activities. Orients students to supplemental resources and funding opportunities available for inclusion in the development of a PA grant, alongside their documentation and eligibility requirements.

## Film & Video (FILM)

**FILM 101 - Introduction to Film (3)**

Gen Ed Arts

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or (ESOL 70 and ESOL 71) or ESOL 100*

(formerly CMM 103)

Presents an analytical and interpretative study of film masterworks. Covers the historical development of film from silent short movies to the present and includes an analysis of film from several perspectives: artistic, technological, social and economic.

**FILM 134 - Digital Photography I (3)**

(formerly GRPH 132 & CMM 132)

Designed for students interested in digital photographic processes. The class will introduce basic concepts for acquiring digital images and the process of manipulating the image through the use of a Macintosh computer with Adobe Photoshop software. Hands-on instruction with Photoshop will include making selections, cropping images, using paint and editing tools and working with color and brush palettes. A portfolio of digital photographic work will be produced by the end of the semester.

**FILM 144 - Digital Video Production (4)**

(formerly CMM 152)

Develops digital video production skills pertaining to camera operation, set design, studio lighting, audio recording, video editing, and professional crew roles and responsibilities. Extensive hands-on active learning provides an insight into on set studio productions and real world applications. As a member of a production team, students participate in the design and execution of an effective digital video production.

**FILM 222 - Television Studio Directing and Operations (4)**

*Prerequisite: FILM 144 or CMM 152*

(formerly CMM 256)

Develops managerial and technical skills of directing television productions in a multi-camera studio. Script formats, scene blocking, managing cast and crew and technical aspects required to create successful programming are emphasized in a series of hands-on production sessions.

**FILM 244 - Digital Film Production (4)**

*Prerequisite: FILM 144 or CMM 152*

(formerly CMM 252)

Develops digital film production skills pertaining to preproduction, production, and post production. Extensive hands-on active learning provides an insight into script writing, budgeting, scheduling, field production, sound design, and non-linear post production. As a member of a production team, students will be required to create a production book, digital film, and DVD as part of their professional portfolio.

**FILM 254 - Postproduction: The Art of Editing (4)**

*Prerequisite: FILM 144 or CMM 152 or FILM 244 or CMM 252*

(formerly CMM 254)

Develops practical skills in digital editing through a series of demonstrations and intensive hands-on exercises. Students will study various editing styles and philosophies while designing and completing assigned editing projects using professional postproduction software. Effective electronic media management and postproduction processes are emphasized.

**FILM 255 - Advanced Postproduction & Motion Graphics (4)**

*Prerequisite: FILM 254 or GRPH 112*

(formerly CMM 261)

Develops advanced skills in digital postproduction and motion graphics through a series of demonstrations and intensive hands-on exercises. By studying various editing styles and philosophies, students will design and complete assigned postproduction projects using professional software packages.

## Fire Service Administration (FIRE)

**FIRE 101 - Fire Protection Systems (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly FSA 101)

Provides information relating to the design features and operation of fire alarm systems. Design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, special hazard fire suppression systems, water supply for fire protection, and evaluation of sprinkler system designs will be examined.

**FIRE 103 - Fire Investigation and Analysis (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly FSA 103)

Examines technical, investigative, legal, and managerial approaches to arson. Includes the fundamentals needed for proper fire science interpretation, recognition of origin and cause, preservation and documentation of evidence, scene security, motives of the fire setter, and types of fire causes.

**FIRE 105 - Risk Assessment, Reduction, and Safety (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly FSA 105)

Examines the concepts of community sociology, the role of fire-related organizations within the community, and their impact on shaping community policy and master planning. Components of risk identification, risk evaluation, incident management, and accountability systems are examined. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.

**FIRE 107 - Disaster Planning and Response (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly FSA 107)

Examines concepts and principles of community planning and response to fire, emergency, and natural disasters, including the Incident Command System (ICS), mutual aid and automatic response, training and preparedness, communications, hazardous materials planning, and disaster recovery. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.

**FIRE 201 - Fire and Emergency Services Administration (3)**

*Prerequisite: FIRE 101; Prerequisite or Co-requisite: ENGL 101*  
(formerly FSA 201)

Introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. New technologies, changing organizational structures, personnel and equipment, municipal fire protection planning, manpower and training, and financial management are examined. Emphasis is placed on fire and emergency service, ethics, and leadership from the perspective of the company officer. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.

## Geographic Information Systems (GISA)

**GISA 101 - Introduction to Geographic Information Systems with ArcGIS (3)**

(formerly GIS 101)

Introduces the principles of geospatial technologies and the use/application of Geographic Information Systems (GIS) software and data. Develops student understanding of the fundamental concepts and applications of GIS, spatial data, and GIS software packages including Esri's ArcGIS Desktop Suite. Discusses the need for skills in data management, conversion, and compilation using GIS software and provides practice in a computer lab environment. Note: Students taking the course should be proficient with the use of personal computers in a Windows operating environment.

## Geography (GEOG)

**GEOG 101 - Elements of Geography (3)**

Gen Ed Geography

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100*  
(formerly GG 101)

Explores elements of man's environment and the changes resulting from natural and human agents. Includes map reading and interpretation.

**GEOG 102 - Cultural Geography (3)**

Gen Ed Geography, Cultural Competence

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100*  
(formerly GG 102)

Studies man in his regional settings, with emphasis on the interrelationships of physical and cultural phenomena.

**GEOG 201 - Urban Social Geography (3)**

Gen Ed Geography, Cultural Competence

*Prerequisite: ENGL 101*  
(formerly GG 201)

Examines concepts of cities and how culture interacts with urban landscapes.

## Graphic Design (GRPH)

**GRPH 105 - Basic Darkroom to Digital Photography (3)**

Gen Ed Arts

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100*  
(formerly CMM 105)

Explores photography as a medium for artistic expression through analysis of photographic masterworks and other forms of visual art. Examines standards of professional photography and the means by which photographic works of artistic integrity are identified and comprehended. Presents basic principles of camera work in film and digital formats. Black & white and color printing techniques are also studied. For the beginning photographer.

**GRPH 111 - Graphic Design I (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly CMM 111)

Prepares the student for the print graphic design field through the use of the computer as a tool. Introduces design vocabulary, methods, and technology through lecture, examples, and hands-on project work. Emphasizes Adobe Illustrator, Adobe Photoshop, and Adobe InDesign.

**GRPH 112 - Graphic Design II (3)**

*Prerequisite: GRPH 111*

(formerly CMM 112)

Emphasizes solving a variety of design problems using the computer and contemporary graphics software. Includes real world design assignments to gain experience in dealing with clients, meetings, project management, cost effectiveness, and color printing prepress. Provides an overview of the historical and functional use of design. Emphasizes intermediate design skills using the industry standard Adobe Creative Suite.

**GRPH 114 - Web Design I (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly CMM 114)

Presents beginning level design for the Internet. Taught from a design perspective. Students learn software, hardware, and design principles used to produce successful web sites. Assignments include the design and creation of web publications. Lectures cover the study and critique of contemporary web design. Emphasizes HTML, Adobe Dreamweaver, Adobe Photoshop, and website content management systems.

**GRPH 212 - Graphic Design III (3)**

*Prerequisite: GRPH 112*  
(formerly CMM 212)

Offers an advanced level approach to graphic design including the development of a well-rounded graphic design portfolio containing professional quality graphic design and illustration. Focuses on using current graphics software to generate print graphics such as corporate identity, advertising, collateral, and package designs. Emphasizes Adobe InDesign, Adobe Photoshop, and Adobe Illustrator.

**GRPH 214 - Web Design II (3)**

*Pre-requisite: GRPH 114 or CMM 114*  
(formerly CMM 214)

Presents intermediate level web design using content management systems and web specific graphics. Students will design and produce interactive web sites consisting of client specific content, typography, graphics, animations, video, and sound. Emphasis on user interface design and web site planning. Instruction includes hands-on editing skills using HTML, CSS, Adobe Dreamweaver, and Adobe Photoshop.

**GRPH 215 - Professional and Transfer Portfolio (1)**

*Prerequisite: GRPH 112 or GRPH 212*  
(formerly CMM 115)

Designed for communications graphics students who are ready to transfer to a Bachelor's program, or are applying for an internship, or are seeking a job. Students will revise existing portfolios and design self-promotion materials including an effective resume and cover letter for the computer graphics profession.

## Health Education (HLTH)

**HLTH 100 - Stress Management Techniques (1)**

(formerly HE 115)

Introduces the basic concepts of stress management and focuses on coping strategies and techniques to reduce stress.

**HLTH 150 - Health Education (3)**

Gen Ed Wellness

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*  
(formerly HE 204)

Covers basic areas of health, including mental health, fitness, nutrition, weight control, sexual health, drugs and alcohol, disease and consumer and environmental health.

**HLTH 160 - Stress Management (3)**

Gen Ed Wellness

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*  
(formerly HE 201)

Examines current theories regarding the nature and sources of stress in life. Students are introduced to the physiology and psychology of stress. A variety of stress management techniques and coping strategies are explored.

## History (HIST)

**HIST 101 - History of Western Civilization I (3)**

Gen Ed History

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly HI 101)

Examines the ancient Greeks and Romans, the rise and development of Christianity, the medieval period, and the Renaissance. This course, which focuses on the significant political, economic, social, cultural, and religious developments, is a survey of Western Civilization from its foundation through 1500.

**HIST 102 - History of Western Civilization II (3)**

Gen Ed History

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly HI 102)

Examines the Reformation, Absolutism, the Enlightenment, the political revolutions of the eighteenth century, the Industrial Revolution, imperialism, nationalism, fascism, the World Wars, the Cold War, and globalization. This course, which focuses on the significant political, economic, social, cultural, and religious developments, is a survey of Western Civilization from 1500 through the present.

**HIST 121 - World History I (3)**

Gen Ed History, Cultural Competence

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly HI 121)

Examines the rise and development of agriculture, the development of primary states, secondary states and empires, and the origins and spread of monotheistic culture. This course is a survey of World History from its foundation through 1500.

**HIST 122 - World History II (3)**

Gen Ed History, Cultural Competence

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
Examines global interactions during the post-Bubonic Plague world, origins and development of modernity, and contemporary history after World War II. This course is a survey of world history from 1450 to present.

**HIST 201 - History of the United States I (3)**

Gen Ed History

*Prerequisite or Co-requisite: ENGL 101*  
(formerly HI 201)

Examines colonial America, the American Revolution, the Constitution, the federal period, sectional conflict, and the Civil War. This period lays the foundation of the American experiment and includes the study of political, constitutional, economic, social, and cultural trends from the founding to 1865.

**HIST 202 - History of the United States II (3)**

Gen Ed History

*Prerequisite or Co-requisite: ENGL 101*

(formerly HI 202)

Examines industrialization, progressivism, World War I, the Twenties, the Depression, the New Deal, World War II, the Cold War, and post-war America. This course emphasizes America's rise to a world power and includes the study of political, constitutional, economic, social, and cultural trends from 1865 to the present.

**HIST 212 - Civil War (3)***Prerequisite or Co-requisite: ENGL 101*

(formerly HI 212)

Examines the causes of the Civil War, the constitutional crisis confronting the Union, the conduct of the war by both the Union and Confederacy, the economic and social conditions of the homefront, the status and condition of African Americans and the wartime origins of Reconstruction.

**HIST 213 - History of the South (3)***Prerequisite or Co-requisite: ENGL 101*

(formerly HI 213)

Explores the history of the South from the colonial period to the present. Examines the Golden Age of the Chesapeake, antebellum society, the institution of slavery, development of a regional identity, the War for Southern Independence, Reconstruction, readjustment of racial patterns, and the rise of the New South and the Sun Belt.

**HIST 214 - The Civil Rights Movement (3)***Prerequisite or Co-requisite: ENGL 101*

(formerly HI 214)

Explores the history of the Civil Rights movement in twentieth-century America. It begins with an overview of segregation, examines in detail the efforts of the movement to overcome Jim Crow discrimination, and concludes with an assessment of the movement's legacy.

**HIST 215 - Constitutional History of the United States (3)***Prerequisite or Co-requisite: ENGL 101*

(formerly HI 215)

Examines the Constitution and its impact within the context of the government, law, and politics. Topics covered include the origins of the Constitution, the development of judicial nationalism, the impact of slavery, the conflict leading up to the Civil War, reconstruction, the 1890s, the creation of the modern state, the New Deal era, the 1960s, and the movement toward a conservative constitutionalism.

**HIST 217 - African-American History (3)**

Gen Ed History, Cultural Competence

*Prerequisite or Co-requisite: ENGL 101*

(formerly HI 217)

Surveys African-American history from the arrival of the first Africans in 1619 to the present. Includes the major economic, political, and social forces that have helped shape the role of the African American in the history of America.

**HIST 220 - World War II (3)**

Gen Ed History

*Prerequisite or Co-requisite: ENGL 101*

(formerly HI 220)

Surveys the major military and social developments of WWII through films and selected readings. Multicultural and multinational perspectives are included.

**HIST 221 - The Sixties (3)**

Gen Ed History

*Prerequisite or Co-requisite: ENGL 101*

(formerly HI 221)

Examines one of America's most turbulent decades: the 1960s. This course explores the Civil Rights Movement, the Vietnam War, the Anti-War Movement, and changing cultural and social mores. Emphasis will include an examination of the history, politics, literature, and music of the era.

**HIST 299 - Independent Study: History (3-4)****HIST 299H - Independent Study: History (3-4)**

## Honors (HONR)

**HONR 201 - Honors Applied Leadership & Research (3)***Prerequisite: Permission of Honors Coordinator*

(formerly ACE 201H)

Provides returning Honors students with the opportunity to serve as peer mentors or leaders of first-year Honors students as they explore current, real-world issues and further advance their critical thinking, communication, and research skills. Students will develop and explore questions of local, national, and global significance through multicultural contexts while building relationships with the instructor, classmates, and other college personnel. Students will refine research and presentation skills in preparation for academic conferences.

## Hospitality Culinary Tourism Institute (HCTI)

**HCTI 101 - Sanitation and Food Safety (2)***Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-**requisites: ENGL 75 or ESOL 100*

(formerly HOS 121)

Develops an understanding of basic principles of sanitation and safety in food, beverage, and hospitality operations including the HACCP system. The course focuses on procedures and protocol recommended for the prevention of foodborne illnesses. Successful passing of the National Restaurant Association ServSafe exam is required and earns certification as a ServSafe Food Protection Manager.

**HCTI 102 - Culinary I (4)***Prerequisite: (Appropriate score on mathematics placement test);**Prerequisite or Co-requisite: HCTI 101 or HOS 121 or current ServSafe Food Manager Certification*

(formerly HOS 112)

Examines the basic concepts, skills, and attributes related to preparation of food: knife skills, product identification, and culinary terminology. Measures, prepares, and converts standardized recipes. Learns and applies classical cooking principles and techniques to food preparation. Topics include stock and sauce preparation; egg/breakfast cookery; product qualities; preparation of vegetables, fruit, and starches; and dietary guidelines and nutrition principles. Demonstrates proper food sanitation and safety practices. Learns and applies good sustainability practices for food service operations. Extra fees required.

**HCTI 103 - Culinary II (4)**

*Prerequisites: (HCTI 101 or HOS 121) and (HCTI 102 or HOS 112) (formerly HOS 113)*

Emphasizes meat, poultry, and seafood fabrication and cookery. Introduces and discusses dietary guidelines and principles of nutrition including alternative diets. Teaches methods for making various types of soups. Expands on sauce, vegetable, legume, grain, and starch cookery with demonstrations of proper plating techniques. Reinforces knife skills; recipe conversions and measurements; cooking principles and terminology; sanitation and safe food handling; and sustainability practices. Extra fees required.

**HCTI 104 - Baking I (4)**

*Prerequisite: (Appropriate score on mathematics placement test); Prerequisite or Co-requisite: HCTI 101 or HOS 121 or current ServSafe Food Manager Certification (formerly HOS 114)*

Provides students with the basic skills required for entry-level work in a bakery or pastry shop of a food service operation. These skills include working in a safe and sanitary manner; reading, scaling and accurately following a recipe; demonstrating proper use of terminology, tools, and equipment; preparing, baking, and evaluating cookies, cakes, breads, pastries, pies, and tarts. Beginning plating techniques, cake decorating, and dietary alternatives are explored. Extra fees required.

**HCTI 105 - Baking II (4)**

*Prerequisites: (HCTI 101 or HOS 121) and (HCTI 104 or HOS 114) (formerly HOS 214)*

Builds upon learned basic skills and theories to develop proficiency in baking and pastry production. Students will further explore a range of classical and modern baking preparations for sponges, roulades, tortes, cakes, custards, fillings, sauces, toppings, and pastries while expanding on recipe modifications for alternative dietary requirements. Introduces principles of artistic techniques and decorating components to assembling, finishing, and presenting pastries including classic French pastries, decorative cookies, and entremets.

**HCTI 120 - Purchasing & Cost Control (3)**

*Prerequisite or Co-requisite: (HCTI 101 or HOS 121) and (HCTI 102 or HOS 112) (formerly HOS 123)*

Examines food purchasing as a process and emphasizes the dynamics of managing the flow of food through the operation. Provides an introduction to inventory control procedures and examines factors that influence menu planning. Emphasizes establishing operating standards, monitoring actual results, and taking corrective action to account for variances. Examines variable and fixed costs, calculating components of prime costs, and provides understanding of various cost controls to optimize profitability. Introduces students to the budgeting process.

**HCTI 150 - Introduction to Hospitality Management (3)**

*Prerequisites: (Appropriate score on mathematics placement test) AND {(Prerequisite: ENGL 70) OR (Prerequisite or Co-requisite: ENGL 75 or [ESOL 72 and ESOL 73] or ESOL 100)}* (formerly HOS 110)

Introduces students to the history of various careers in the hospitality industry. Develops an understanding of the hospitality industry by taking a management perspective in introducing students to the organization and structure of various sectors including: travel and tourism, meeting/convention and event planning, hotels, healthcare, restaurants, retail, contract food service, clubs, cruise ships, casino hotels, and more. Examines the forces and issues that are shaping the current and future hospitality industry. Topics include various aspects of hospitality operations and information on delivering excellent customer service. Students will earn certification from the American Hotel Lodging Educational Institute (AHLEI) as a Certified Guest Service Professional (CGSP®).

**HCTI 155 - Event Management (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100 (formerly HOS 161)*

Discusses and demonstrates aspects of planning and implementing an event for success. Included is a project where students will be involved in a hands-on experience of planning an event while utilizing the skills learned in class.

**HCTI 160 - Hospitality Operations (3)**

*Prerequisites or Co-requisites: (HCTI 101 or HOS 121) and (HCTI 150 or HOS 110) (formerly HOS 163)*

Learn the primary responsibilities of a hospitality manager and principles and practices involved in managing the day to day operations of a hospitality business. Topics include various aspects of hospitality operations such as classifying hotels and guests, hotel organization, front office operations, hospitality applications and systems, safety and security risks and controls, housekeeping operations, front office accounting, reading financial reports, maximizing sales, and facility maintenance.

**HCTI 170 - Introduction to the Tourism Industry (3)**

*Prerequisite or Co-requisite: HCTI 150 or HOS 110*

Provides a comprehensive introduction to the modern tourism industry from the business and economic perspectives. Both the supply side, in the form of travel suppliers and their distribution channels, and the consumer demand side of tourism are explored. The components, forces, and trends that have shaped the tourism industry will be examined, as will the impacts of tourism on places, societies, and cultures.

**HCTI 200 - Garde Manger (4)**

*Prerequisite or Co-requisite: HCTI 103 or HOS 113 (formerly HOS 210)*

Provides students with skills and knowledge in preparing food from the cold kitchen. Explores preparation of cold soups, canapés, hors d'oeuvres, forcemeat, charcuterie, garnishes, and food preservation techniques. Students will learn how to prepare display trays, platter, and buffets with emphasis on presentation design and workmanship. Develops techniques for preparation of sandwiches, salads, and dressings. Discusses categories and types of cheese, and carving techniques for decorative fruit and vegetables. Extra fees required.

**HCTI 205 - Artisan and Specialty Breads (4)***Prerequisite: HCTI 104*

Builds upon foundational skills of bread making from HCTI 104, and introduces students to technically advanced artisan breads; alternative flour breads; viennoiserie pastries such as croissants, brioche, breakfast danish; and specialty holiday breads of stollen and panettone. Students will explore in depth varying flours, optional grains, and natural yeast starters for use in quantity production, bread displays, breakfast buffets, and banquet presentations.

**HCTI 210 - Advanced Artistry Techniques (4)***Prerequisite: HCTI 105*

Prepares students for an entry level position as chocolatier, pastry cook, or pastry sous chef. Students will focus on the principles of chocolate artistry skills from tempering to enrobing and casting of couverture. Students will produce individual confections of frozen desserts, souffles, truffles, fudge, toffee, bark, brittle, and marshmallows. Utilizing skills learned during the course, students will craft showpieces made of chocolate and pastillage, as well as pulled, poured, and blown sugar. Students will build on foundational skills to produce, assemble, and decorate multi-tiered (wedding) cakes using various icings, fillings, marzipan, gumpaste, and fondant.

**HCTI 220 - Food and Beverage Operations (3)***Prerequisite or Co-requisite: (HCTI 120 or HOS 123) or (HCTI 160 or HOS 163) (formerly HOS 216)*

Provides an analysis of different types of food service operations, beginning with an overview of the food service segment of the hospitality industry. Detailed consideration is given to food and beverage operations, management principles and leadership styles, human resource functions, and employment laws. Examines all operational functions to include marketing, menu planning, production, service, beverage management and responsible alcohol service, sanitation and safety issues, facility design and equipment, and accounting.

**HCTI 225 - International and American Regional Cuisine (4)**

Cultural Competence

*Prerequisite: HCTI 200 or HOS 210; Co-requisite: HCTI 230 (formerly HOS 240)*

Provides advanced training in the preparation of International and American regional cuisines. Students will prepare recipes including meats, poultry, seafood, vegetables, and desserts, as well as explore cuisines from a cultural, geographical, religious, and historical perspective. Emphasis is placed on flavor profiles and cooking techniques associated with regions and their international influence. Introduction to wine varietals from around the world, distillation, and fermentation of beverages. Extra fees required.

**HCTI 230 - Restaurant Production and Service (4)***Prerequisite: HCTI 160 or HCTI 200 or HCTI 105 AND Co-requisite: HCTI 210 or HCTI 225*

(formerly HOS 250)

Provides the capstone student experience of applying learned knowledge and skills in an operational restaurant setting. Students rotate through the dining room and kitchen in this intensive course. Front-of-the-House students train and carry out dining room rules of service from set-up to closing. Back-of-the-House students learn brigade station responsibilities of à la carte preparation, cooking, and plating techniques. All students work together applying communication, problem solving, and time management skills to provide quality customer service to guests. Students develop a food service concept to include all key operational elements. Extra fees required.

**HCTI 255 - Applied Hospitality Management (3)***Prerequisite or Co-requisite: HCTI 160 or HOS 163*

(formerly HOS 261)

Provides leadership and management tools in the hospitality industry to enhance guest service and profitability by introducing students to topics such as managing organizational change, traditional management roles and styles versus leadership in the twenty-first century, quality management, continuous improvement, power and empowerment, communication skills, goal setting and coaching, high-performance teams, diversity, strategic career planning, and ethics.

**HCTI 260 - Hospitality Business Analysis (3)***Prerequisite or Co-requisite: HCTI 255 or HOS 261*

(formerly HOS 263)

Explores a new, multidisciplinary approach to business analysis that utilizes revenue management, blending together elements of marketing, operations, and finance management. Students will learn the various components of revenue management, and how to use them when performing business analyses and recommending business enhancements.

**HCTI 265 - HCTI Practicum (1)***Prerequisite or Co-requisite: (HCTI 103 or HOS 113) or (HCTI 255 or HOS 261) (formerly HOS 265)*

Provides students with supervised experience in a hospitality/culinary/tourism setting. Includes in-service training and practical experience, totaling a minimum of 240 hours in an approved hospitality operation, lodging, commercial or institutional food service/restaurant, meeting planning, or the related travel/tourism field. Focuses on the acquisition of employability, business, hospitality, and/or culinary technical and problem-solving skills that will give students the tools to become successfully employed in the hospitality, culinary, and tourism industry.

## Human Services (HUMS)

**HUMS 103 - Introduction to Social Work and the Human Services (4)***Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100*

(formerly HS 103)

Surveys the philosophies of the field of social work and all of the human services. Examines the historical and theoretical approaches to the understanding of social work and the agencies that deal with delivery of services to members of society. Includes the interrelationship of human services and examines the knowledge, values and skills of the helping process. Particular emphasis is placed on the concept of human diversity and the impact of oppression and discrimination. This course will highlight the human needs that social workers address across the life span with particular emphasis on the needs of older adults.

**HUMS 104 - Mediation Theory and Practice (3)***Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100*

(formerly HS 104)

Explores mediation as a conflict resolution method used in today's society. Students will learn the skill set necessary to use the mediation process in formal and informal situations.

**HUMS 202 - Techniques of Counseling (3)***Prerequisite or Co-requisite: PSYC 101*

Focuses on the development of counseling skills, specific helping behaviors, and qualities of effective counselors needed for certification and beyond, as well as ethical and legal issues encountered in the helping professions. Students will study historical and philosophical foundations and the various professional organizations related to the counseling profession.

**HUMS 203 - Theories of Counseling (3)**

*Prerequisite or Co-requisite: HUMS 202*  
(formerly HS 203)

Presents an overview of counseling theory, with focus on the development of specific helping behaviors.  
*This course is only offered in the Spring.*

**HUMS 204 - Ethics and Practice Issues in the Human Services and Addiction Counseling (3)**

*Prerequisite: HUMS 202*  
(formerly HS 204)

Integrates a study of ethical and practice issues in the human service field with the student's experience in the internship education practicum. Special attention will be given to the special ethical issues in the addictions field. For Addictions Counseling A.A.S. and Certificate students: this course must be completed prior to enrolling in INTR 103.  
*This course is only offered in the Spring.*

**HUMS 205 - Addictions Counseling Delivery (3)**

*Prerequisite or Co-requisite: PSYC 101*  
(formerly HS 205)

Presents major theoretical approaches to the field of addictions, and introduction to the twelve core functions of the alcohol and drug abuse counselor. This course will include skill development training for the beginning alcohol and drug counselor.  
*This course is only offered in the Spring.*

**HUMS 206 - Pharmacology of Psychoactive Drugs (3)**

*Prerequisite or Co-requisite: PSYC 101*  
(formerly HS 206)

Presents the basic pharmacological and neurophysiological fundamentals of licit and illicit drug use. The primary focus of the course is the explanation of how drugs may alter body and brain function and how these alterations influence and mediate human behavior. Suggested for human service majors, especially those interested in addictions, current or potential health care professionals.  
*This course is only offered in the Spring.*

**HUMS 207 - Theory and Practice of Group Counseling (3)**

*Prerequisite: HUMS 202*  
(formerly HS 207)

Presents the theory and practice of using groups as a counseling intervention in the human services. There will be a presentation of types of groups, general principles of groups, stages of evolution of groups, ethical and professional issues, and special emphasis on the use of groups in the drug and alcohol field.  
*This course is only offered in the Fall.*

**HUMS 208 - Family Counseling (3)**

*Prerequisite: HUMS 202*

Presents the theoretical approaches of family therapy with a focus on family systems theory and their application in mental health settings. Students will explore treatment models for working with families and addicted families. The course will offer a fundamental knowledge necessary to engage in practical application of the theories discussed.  
*This course is only offered in the Fall.*

## Humanities (HUMN)

**HUMN 104 - Humanities in a Digital World (3)**

Gen Ed Humanities

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly HU 104)

Introduces tools, such as Instagram and other storytelling platforms and digital mapping, that are transforming the study of the humanities. It also explores digital and social media (tweets, Facebook posts, blogs, computer games, etc.) as cultural artifacts. The course is project-based and equips students to apply digital tools and techniques to a variety of disciplines including English, History, Philosophy, and Social Sciences.

**HUMN 105 - Cultural Studies: Latin America (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly HU 105)

Introduces the cultural traditions of Latin America focusing on the art, literature, dance, music, theater, and film of Meso, Central, and South America as well as the Caribbean.

**HUMN 107 - Cultural Studies: Asia (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly HU 107)

Introduces the cultural traditions of Asia focusing on the art, literature, dance, music, theater, and film of East Asia, India, and the Pacific Islands.

**HUMN 204 - World Religions (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*  
(formerly PH 204)

Explores the spiritual practices, symbols, myths, and beliefs of indigenous, eastern, and Abrahamic faiths, as well as those of some emerging religious movements such as Scientology. Students will also examine the impact of religion on human culture.

**HUMN 210 - The Language of Hip Hop (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite or Co-requisite: ENGL 101*  
(formerly HU 210)

Examines the role of language, both verbal and non-verbal, in the aesthetics, intercultural communication, and cultural practices of hip hop through the study of the origins and evolution of the culture, moving on to key topics including authenticity, class, and language ideology. Students will identify current and historical elements of hip hop culture in the US. Through multimedia analysis, critical reading and listening, and student led discussion, students will develop skills necessary to critically analyze and explore the language of hip hop and survey its historical development, political significance, and social influence.

**HUMN 223 - Classical Mythology (3)**

Gen Ed Humanities

*Prerequisite: ENGL 101*  
(formerly EN 223)

Surveys Greek and Roman mythology, emphasizing the impact it has had on Western literature, art, music and human culture throughout the ages. Attention will also be paid to the sites of the ancient world that have gained special significance through these myths.

## Internship (INTR)

### INTR 101 - Internship (1)

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in the student's chosen career field. In addition to meeting Core Learning Outcomes, jointly developed Specific Learning Outcomes are selected and evaluated by the Faculty Internship Advisor, Work-Site Supervisor, and the student. Internship placements are directly related to the student's program of study and provide learning experiences not available in the classroom setting. Internships provide entry-level, career-related experiences, and workplace competencies that employers value when hiring new employees. Internships may also be used as an opportunity to explore career fields. Students must meet with the Internship Coordinator prior to registering.

### INTR 102 - Internship (2)

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in the student's chosen career field. In addition to meeting Core Learning Outcomes, jointly developed Specific Learning Outcomes are selected and evaluated by the Faculty Internship Advisor, Work-Site Supervisor, and the student. Internship placements are directly related to the student's program of study and provide learning experiences not available in the classroom setting. Internships provide entry-level, career-related experiences, and workplace competencies that employers value when hiring new employees. Internships may also be used as an opportunity to explore career fields. Students must meet with the Internship Coordinator prior to registering.

### INTR 103 - Internship (3)

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in the student's chosen career field. In addition to meeting Core Learning Outcomes, jointly developed Specific Learning Outcomes are selected and evaluated by the Faculty Internship Advisor, Work-Site Supervisor, and the student. Internship placements are directly related to the student's program of study and provide learning experiences not available in the classroom setting. Internships provide entry-level, career-related experiences, and workplace competencies that employers value when hiring new employees. Internships may also be used as an opportunity to explore career fields. Students must meet with the Internship Coordinator prior to registering.

## Legal Studies (LGST)

### LGST 100 - Introduction to Law (3)

Cultural Competence

*Prerequisite: ENGL 70 or (ESOL 72 and ESOL 73) OR (Prerequisite or Co-requisite: ENGL 75 or ESOL 100)*

(formerly LA 100)

Presents an overview of the legal profession. Provides detailed introduction to the structure and function of the American Legal System, law office management, standard operating procedures and systems. Offers overview of fundamental areas of substantive and procedural law, interviewing and investigation, and research and writing. Infuses ethics and professionalism. Discusses legal aspects of current topics to aid students in acquiring an appreciation of the dynamic role of law in our changing society. Promotes understanding needed to participate effectively in our diverse global, national, and local communities.

### LGST 103 - Ethics for the Legal Professional (3)

*Prerequisite or Co-requisite: LGST 100*

(formerly LA 103)

Concentrates on the ethical responsibilities that have been established by statutes, courts decisions, court rules, and professional associations affecting legal assistants/paralegals and lawyers. Includes conflict of interest, confidentiality, competence, solicitation, fees and billing, obligations of attorneys to clients, and protection of client funds. Covers the nature of supervision in order to avoid unauthorized practice of law.

### LGST 104 - Contracts (3)

*Prerequisites or Co-requisites: LGST 100 and ENGL 101*

(formerly LA 104)

Covers the fundamental principles of contract law; the manner in which contracts are formed; the elements of a valid contract; the rights and obligations of various parties to a contract, as well as the rights of third parties; and available remedies when a contract is breached.

### LGST 105 - Torts (3)

*Prerequisites or Co-requisites: LGST 100 and ENGL 101*

(formerly LA 105)

Covers the fundamental principles of tort law: intentional torts, negligence, and strict liability. Examines causes of action, defenses, and remedies. Develops skills to investigate and evaluate tort claims. Introduces tort litigation procedures and documents.

### LGST 106 - Technology for the Legal Profession (3)

*Prerequisite or Co-requisite: LGST 100*

(formerly LA 106)

Prepares students for the increasing levels of computer literacy demanded by the legal profession. Covers the basic features of at least one commonly used word processing program, database program, spreadsheet program and legal specific programs for calendaring, timekeeping and billing. Offers basic features of computer-assisted legal research and other electronic resources. Incorporates current technological trends used by the legal profession.

### LGST 150 - Access to Justice Practicum I (4)

*Prerequisite: LGST 103*

Offers specialized training to paralegal students that incorporates practical opportunities working beside pro bono, self-help center, and limited scope attorneys to promote access to justice to low- and moderate-income people in crisis. Includes field placement preparing students to work respectfully, professionally, and ethically with attorneys providing legal services/information using available resources.

### LGST 200 - Legal Research (3)

*Prerequisite: ENGL 101; Prerequisite or Co-requisite: LGST 100*

(formerly LA 200 and LA 110)

Offers working knowledge of techniques of legal research. Examines various sources of law and types of research tools. Emphasis on using a law library. Develops book-based and computer-assisted research skills. Outlines development of a research strategy plan to locate and update applicable law. Analyze cases, statutes, and report findings. Stresses proper citation form.

### LGST 205 - Legal Writing (3)

*Prerequisites: ENGL 101 and (LGST 200 or LA 110)*

(formerly LA 205 and LA 120)

Offers working knowledge of techniques of legal writing in the preparation of a variety of legal documents such as legal correspondence, briefs, memoranda, and pleadings. Incorporates analysis and synthesis of research to draft legal documents. Emphasizes the importance of proper format and citation.

**LGST 210 - Estates and Probate (3)**

*Prerequisites: LGST 100 and ENGL 101*  
(formerly LA 210)

Covers basic legal concepts and fundamental principles of law as applied to the more common forms of wills, trusts, and intestacy, as well as organization and jurisdiction of the probate court. Examines strategies and tools available for estate planning. Develops a working knowledge of resources that reflect the process and procedures required by law for estate administration. Includes drafting of a simple will and advanced directive. Explores course procedures and public records research. Presents computer applications in estate law.

**LGST 220 - Civil Litigation (3)**

*Prerequisites: LGST 100 and ENGL 101*  
(formerly LA 220)

Provides a comprehensive study of civil litigation, state, and federal court structure and procedure. Explores components of the litigation process. Includes drafting pleadings and other documents associated with litigation. Incorporates use of technology in the litigation process. Develops skills to effectively and ethically support the litigation process. Introduces administrative procedure.

**LGST 230 - Real Estate (3)**

*Prerequisites: LGST 100 and ENGL 101*  
(formerly LA 230)

Covers basic legal concepts and fundamental principles of real estate law. Topics include property rights; types of land ownership/estates; easements; title and use of real estate; agreements for sale; financing; conveyancing; title insurance; settlement procedures; recording and post-closing matters that deal with residential, commercial, condominiums, and planned communities; and landlord/tenant matters. Develops a working knowledge of resources that reflect the process and procedures required by law.

**LGST 240 - Family Law (3)**

*Prerequisites: LGST 100 and ENGL 101*  
(formerly LA 240)

Explores the fundamentals and emerging issues in family law. Topics include marriage, separation, divorce, alimony, child custody and visitation, child support, disposition of property and legal rights of children, adoption, guardianship, and domestic relations. Explores court procedures, public records research, and the mediation process. Presents computer applications in domestic relations practice.

## Mathematics (MATH)

**MATH A - Instruction with Algebra (0) [2]**

(formerly MA A)  
Supplements MATH 101A and MATH 120A.

**MATH S - Algebraic Support (0) [3]**

(formerly MA S)  
Supplements MATH 145S.

**MATH 50 - Preparation for College Mathematics (0) [2]**

*Prerequisite or Co-requisite: ENGL 70 or ENGL 75 or ESOL 70 or ESOL 72 or ESOL 100*

Develops foundational math skills needed for college math courses such as MATH 101A Foundations of Math with Algebra, MATH 120A Statistics with Algebra, or MATH 145S College Algebra with Algebraic Support. Topics include whole numbers, factors, fractions, decimals, percentages, signed numbers, introduction to data analysis and statistics, and basic Algebra skills such as working with variables and evaluating variable expressions. Further topics may include solving and graphing linear equations, exponents, and polynomials. Technology is integrated with traditional skill practice throughout the course.

**MATH 101 - Foundations of Mathematics (3)**

Gen Ed Math

*Prerequisite: Appropriate score on mathematics placement test*  
(formerly MA 103)

MATH 101 Presents topics including problem solving strategies, logic, numeration systems, set theory, classification of numbers, algebra, financial management, geometry, measurement and right triangle trigonometry, probability, statistics, graphs, systems of equations, and linear programming. Student cannot receive credit for both MATH 101 and MATH 101A. Intended for students who need a survey of math principles for their non-STEM major/program. Not intended for students planning to pursue a STEM program.

**MATH 101A - Foundations of Mathematics (3)**

Gen Ed Math

*Prerequisites: Grade of B or better in MATH 50 or appropriate score on mathematics placement test AND placement in ENGL 70 or ESOL 100 or higher on the reading placement test*  
(formerly MA 103A)

MATH 101A Presents topics including real numbers, algebraic expressions, solving and graphing linear equations, exponents, and logarithmic equations with an emphasis on functions, graphing, and modeling. Topics of college math covered may include problem solving strategies, logic, numeration systems, classification of numbers, algebra, financial management, geometry, measurement and right triangle trigonometry, probability, statistics, graphs, systems of equations, and linear programming. Students cannot receive credit for both MATH 101 and MATH 101A. Intended for students who need a survey of college math principles, with algebra, for their non-STEM major/program. Not intended for students planning to pursue a STEM program.

**MATH 110 - Fundamental Concepts of Mathematics I (4)**

Gen Ed Math

*Prerequisite: Appropriate score on mathematics placement test*  
(formerly MA 105)

Note: MATH 110 is designed and recommended for Education majors in the Early Childhood Education and Elementary Education A.A.T. degrees only. Provides a comprehensive, conceptually-based background in elementary mathematics. Topics include historical development of numeration systems, decimal notation, arithmetic algorithms in decimal and other bases, elementary set theory and number theory. Intended for early childhood and elementary education students, or other non-STEM majors, who need a general course in problem-solving strategies, numeracy, and the real number system.

**MATH 113 - Fundamental Concepts of Mathematics II (4)**

*Prerequisite: Appropriate score on mathematics placement test. It is recommended that students complete MATH 110 (formerly MA 105) before taking this course.*

(formerly MA 106)

Presents topics including plane and solid, metric and non-metric, dimensional analysis, congruence and similarity, and coordinate and transformational geometry. Emphasizes problem solving strategies. MATH 113 is not a general education course. Intended for early childhood education and elementary education students who need a conceptually-based study of the fundamentals of geometry.

**MATH 120 - Statistics (3)**

Gen Ed Math

*Prerequisite: Appropriate score on mathematics placement test (formerly MA 206)*

MATH 120 Introduces non-calculus statistics. Topics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, and chi-square tests and non-parametric tests. Students can only receive credit for one of the following: MATH 120 or MATH 120A or MATH 127.

**MATH 120A - Statistics (3)**

Gen Ed Math

*Prerequisites: Grade of B or better in MATH 50 or appropriate score on mathematics placement test (formerly MA 206A)*

MATH 120A Combines an introductory non-calculus statistics course with topics from Algebra. Topics of Algebra include linear equations and inequalities, and graphing and modeling functions. Topics of Statistics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests, and non-parametric tests. Students can only receive credit for one of the following: MATH 120 or MATH 120A or MATH 127.

**MATH 125 - Business Statistics (3)**

Gen Ed Math

*Prerequisites: (Appropriate score on mathematics placement test) and (CMIS 101 or CMIS 111E or CIS 116E) and (placement in ENGL 70 or ESOL 100 or higher on the reading placement test) (formerly BU/MA 205)*

Introduces non-calculus statistics for business using spreadsheets. Topics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, and chi-square tests and non-parametric tests.

**MATH 127 - Statistics with Probability (4)**

Gen Ed Math

*Prerequisite: Appropriate score on mathematics placement test (formerly MA 207)*

Introduces non-calculus statistics with additional topics in elementary probability. Statistical topics include descriptive analysis and treatment of data, statistical inference, linear regression and correlation, and chi-square tests. Topics from Elementary Probability include basic event and outcome concepts, fundamental rules of probability, random variables and their distributions, and expectation. Practical applications of the course concepts are explored through team projects. Students cannot receive credit for both MATH 127 and MATH 120/MATH 120A.

**MATH 145 - College Algebra (3)**

Gen Ed Math

*Prerequisite: Appropriate score on mathematics placement test (formerly MA 130)*

MATH 145 Includes a study of function behavior, composition, and inverse using linear, polynomial, rational, and radical functions; definition and analysis of exponential and logarithmic functions, complex numbers, formulae of midpoint, and distance and average rate of change. Students cannot receive credit for both MATH 145 and MATH 145S.

**MATH 145S - College Algebra (3)**

Gen Ed Math

*Prerequisite: Grade of B or better in MATH 50 appropriate score on mathematics placement test*

(formerly MA 130S)

MATH 145S Combines College Algebra with topics from Introductory and Intermediate Algebra. Introductory and Intermediate Algebra topics include linear equations, absolute value, quadratic functions, exponential functions, and polynomial functions with an emphasis on functions, graphing, and modeling. College Algebra topics extend Intro/Intermediate topics to include a study of function behavior, composition, and inverse using linear, polynomial, rational and radical functions; definition and analysis of exponential and logarithmic functions, and complex numbers. Students cannot receive credit for both MATH 145 and MATH 145S.

**MATH 165 - Precalculus (4)**

Gen Ed Math

*Prerequisite: Grade of C or better in MATH 145 or MATH 145S or MA 130 or MA 130S OR appropriate score on the mathematics placement test (formerly MA 111)*

Includes topics from college algebra and trigonometry with a graphing approach such as right triangle trigonometry, circular trigonometric functions, inverse trigonometric functions, exponential functions, power functions, logarithmic functions, and polynomial functions and their zeros.

**MATH 170 - Introduction to Discrete Mathematics (3)**

*Prerequisite: Grade of C or better in MATH 145 or MATH 145S or MA 130 or MA 130S OR appropriate score on mathematics placement test (formerly MA 202)*

Presents topics including sets and logic, elementary number theory, graph theory, matrices, algorithm design, mathematical induction and recursion. Intended for students pursuing a STEM major to develop their problem-solving skills.

*This course is only offered in the Spring.*

**MATH 175 - Applied Calculus (3)**

Gen Ed Math

*Prerequisite: Grade of C or better in MATH 145 or MATH 145S or MA 130 or MA 130S or appropriate score on mathematics placement test (formerly MA 201)*

Presents methods for finding the derivatives and integrals of algebraic and transcendental functions with applications in each program. This course is a brief, applied version of traditional Calculus designed to help students understand how calculus is used in business, biology, and/or the social sciences. This course is not intended to replace traditional Calculus, nor can it be used as a prerequisite for Calculus I or Calculus II.

**MATH 185 - Calculus I (4)**

Gen Ed Math

*Prerequisite: Grade of C or better in MATH 165 or MA 111*

(formerly MA 210)

Presents topics including functions, limits, continuity, the derivative concept, differentiation techniques (including product rule, quotient rule, chain rule, and implicit differentiation), applications of the derivative, and definite and indefinite integral concepts. The Fundamental Theorem of Calculus is discussed and used in the context of introductory integration. Intended for students in mathematics, science, engineering, medical, and other technical programs as the first course in the three-semester calculus sequence (MATH 185, MATH 195, MATH 285).

**MATH 195 - Calculus II (4)**

Gen Ed Math

*Prerequisite: Grade of C or better in MATH 185 or MA 210*

(formerly MA 211)

Presents the second of three courses in the calculus sequence. Topics include methods and applications of integration, improper integrals, sequences and series, Taylor approximations, and an introduction to differential equations.

**MATH 220 - Introduction to MATLAB (1)***Prerequisite or Co-requisite: MATH 185 or MA 210*

(formerly MA 214)

Provides an introduction to MATLAB, is a multi-paradigm numerical computing environment and fourth-generation programming language, including popular toolboxes. The course consists of interactive workshops with students doing sample MATLAB problems in real time. Problem-based MATLAB assignments are given which require significant time on MATLAB.

**MATH 265 - Linear Algebra (4)***Prerequisite: Grade of C or better in MATH 185 or MA 210*

(formerly MA 218)

Includes systems of linear equations, determinants, vectors in 2- and 3-space, vector spaces, linear transformations, eigenvalues and eigenvectors and applications.

*This course is only offered in the Fall.***MATH 275 - Differential Equations (3)***Prerequisite: (Grade of C or better in MATH 195 or MA 211) AND (Prerequisite or Co-requisite: MATH 220 or MA 214)*

(formerly MA 213)

Presents the principles involved in solving differential equations of order one. Topics covered include initial value problems, reduction of order, homogeneous linear equations, undetermined coefficients, systems of linear equations, power series solutions about ordinary points, Laplace transform, separable variables, linear and non-linear models, and variation of parameters.

*This course is only offered in the Spring.***MATH 285 - Calculus III (4)***Prerequisite: Grade of C or better in MATH 195 or MA 211*

(formerly MA 212)

Presents the final course in the three-semester calculus sequence. Topics include functions of several variables and their graphs, vectors, parametric equations, partial derivatives, multiple integrals and applications, Green's Theorem, Stokes Theorem and the fundamental theorem of line integrals.

## Medical Assisting (MEDA)

**MEDA 108 - Basic Medical Terminology (1)***Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite:**ENGL 75 or ESOL 100*

(formerly MDA 108)

Provides students with the basic medical terminology framework needed before advancing to a more comprehensive medical terminology or anatomy and physiology based course.

**MEDA 109 - Medical Terminology (3)***Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite:**ENGL 75 or ESOL 100*

(formerly MDA 109)

Provides a framework for building and defining medical vocabulary. Students use techniques to gain an understanding of prefixes, suffixes, word roots, and combining forms related to every organ system. No previous knowledge of anatomy, physiology, or pathology is necessary.

**MEDA 110 - Computer Medical Office Management (3)***Prerequisite or Co-requisite: MEDA 109*

(formerly MDA 220)

Introduces students to Electronic Health Records (EHR) through an examination of existing transitions and structures between medical facilities. Emphasizes how Practice Management (PM) software is utilized, how Electronic Health Records (EHR) systems are utilized, and exposes students to the world of Health Information Management (HIM). Practical applications and guided exercises will enable the student to be prepared for changes in the healthcare field.

**MEDA 112 - Medical Office Procedures (3)***Prerequisite or Co-requisite: MEDA 109*

(formerly MDA 112)

Provides the necessary skills to work in an administrative capacity within a medical office or clinical setting. Topics covered include introduction to medicine and medical assisting, communication skills, community resources, telephone and reception, managing appointments, written communication, filing procedures, basic bookkeeping, and medical office management. Emphasis on medical ethics and proper record keeping.

**MEDA 115 - Medical Laboratory Procedures (3)***Prerequisites: (MEDA 110 or MEDA 220) and MEDA 112 and (BSCI 107 or BSCI 117 or BSCI 201 or BSCI 202) and (MATH 101 or higher)*

(formerly MDA 115)

Develops fundamental skills needed to be an effective member of the physician's office laboratory. Emphasizes common medical laboratory diagnostic procedures and following standard protocols established by both the Clinical Laboratory Improvement Act (CLIA) and OSHA guidelines. Students will develop skills in a variety of blood collection methods, specimen collection, pharmacology, drug calculations, and preparing and administering medications. Emphasis will be placed on infection prevention, patient identification, specimen labeling, quality assurance, specimen handling, processing, accessioning, professionalism, ethics, and medical terminology.

**MEDA 117 - Foundations of Medical Assisting I (3)**

*Prerequisites:* (MEDA 110 or MEDA 220) and MEDA 112 and (BSCI 107 or BSCI 117 or BSCI 201 or BSCI 202) and (MATH 101 or higher) (formerly MEDA 101 & MDA 101)

Introduces the basic skills necessary in the medical clinical setting related to the administrative and clinical medical assistant. Emphasizes theory and skills necessary for gathering patient information that will assist the physician in diagnosing, initiating treatment, or prescribing procedures for common disorders. Develops skills related to interpersonal communication, records management, administrative responsibilities, financial administration, patient education, and patient care activities for the physician's office.

**MEDA 120 - Pharmacology for Medical Office Practice (3)**

*Prerequisite:* MEDA 115 and (MEDA 117 or MEDA 101) (formerly MEDA 209 & MDA 110)

Defines and describes therapeutic action and major side effects of common drugs, principles of medication, and dosage calculations. Students will also gain knowledge in basic principles for administering different types of medications and the universal precautions and standards related to the role of a Medical Assistant.

**MEDA 122 - Foundations of Medical Assisting II (3)**

*Prerequisites:* MEDA 115 and (MEDA 117 or MEDA 101) (formerly MEDA 102 & MDA 102)

Builds on the knowledge gained in Foundations of Medical Assisting I. Students will develop and demonstrate skills necessary to use clinical office equipment. Emphasis on clinical examinations and diagnostic testing for common disorders and pathologies throughout the body systems in addition to assisting with therapeutic procedures conducted in a physician's clinical office setting. Topics covered include, but are not limited to: physician practices and specialties, advanced techniques related to diagnostic testing and therapeutic procedures, applying basic theory, and following current standard protocols during clinical procedures and treatments prescribed by the physician.

**MEDA 150 - Healthcare Administration Practicum I (1)**

*Prerequisite:* MEDA 109, MEDA 112, and CMIS 101 (formerly MDA 105)

Provides supervised placement in a contracted facility for guided experience in the application of business and administrative skills in a healthcare office. Emphasis is placed on enhancing competence in medical office skills for comprehensive patient care and strengthening professional communications and interactions.

**MEDA 201 - Practical Skills for Medical Assisting (3)**

*Prerequisites:* (MEDA 120 or MEDA 209 or MDA 110) and (MEDA 112 or MEDA 102) (formerly MDA 201)

Reinforces skills developed in Foundations of Medical Assisting I and II, and emphasizes skills needed to take a patient through an entire office visit encounter. Reinforces proper clinical techniques based on theories of clinical laboratory testing. Reinforces use of clinical/physician office equipment. Students will become proficient and advance their skills in all areas of the medical clinical setting in order to enter their externship.

**MEDA 203 - Diagnostic and Procedural Medical Coding (3)**

*Prerequisite:* MEDA 109 (formerly MEDA 216 & MDA 216)

Introduces the fundamentals of coding. Emphasizes the transformation of the reason for a patient encounter documented by the physician into CPT numeric designations (codes) to facilitate reimbursement for all services rendered. Emphasis on currently tested CPT, HCPCS, and ICD coding processes; reimbursement and compliance; reporting guidelines; national codes; and modifiers.

**MEDA 204 - Medical Assisting Practicum (3)**

*Prerequisite:* MEDA 201 and (MEDA 203 or MEDA 216) AND *Prerequisite or Co-requisite:* BMGT 120 (formerly MDA 204)

Provides supervised placement in a contracted facility for guided experience in the application of technical and practical medical assistant skills. Emphasis is placed on medical office orientation, administrative tasks in medical office situations, and patient interaction in a medical office environment. Students will perform competent entry-level medical assistant skills in the cognitive, psychomotor, and affective learning domains, as appropriate to the externship site. Upon successful completion, students will have completed 200 hours in primary care setting.

**MEDA 205 - Healthcare Administration Practicum II (2)**

*Prerequisite:* MEDA 216 (formerly MDA 205)

Provides supervised placement in a contracted facility for guided experience applying business and administrative knowledge and skills in a medical office to strengthen professional communications and interactions.

**MEDA 218 - Health Insurance Billing and Reimbursement (3)**

*Prerequisite or Co-requisite:* MEDA 203 or MEDA 216 (formerly MDA 218)

Provides in-depth study of processing health insurance claims. Examines all aspects of medical insurance including plan options, payer requirements, state and federal regulations, abstraction of source documents, accurate completion of claims, coding of diagnoses, and procedures/services.

**MEDA 222 - Federal Healthcare Programs and Laws (3)**

*Prerequisite or Co-requisite:* CMIS 101 and ENGL 101 (formerly MDA 222)

Prepares students in allied health programs to enter the workforce with a basic understanding of federal healthcare programs and federal healthcare laws. The course will provide students with a knowledge of the populations receiving assistance from the government as well as identifying the federal laws that govern workers' provisions of health services laws.

## Music (MUSC)

**MUSC 101 - Music History and Appreciation (3)**

Gen Ed Arts

*Prerequisites:* ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR *Co-requisite:* ENGL 75 or ESOL 100

(formerly MU 101)

Traces the development of musical expression in Western Art Music by providing an introduction of musical elements such as melody, harmony, tone color, rhythm, form, and texture. Students will be able to identify style periods and representative composers from the Middle Ages to the Modern Era and demonstrate musical knowledge through directed listening and topical writing assignments. Music reading skills unnecessary.

**MUSC 103 - Fundamentals of Music (3)**

Gen Ed Arts

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*

(formerly MU 103)

Covers the basic elements of music such as note reading, rhythm, scales, key signatures, and intervals. Includes an introduction to fundamental keyboard skills and simple ear training exercises. Intended for students with limited musical knowledge who wish to study music theory or learn to read music.

**MUSC 106 - Ear Training and Musicianship I (1)**

*Prerequisite: MUSC 103 or permission of department*

(formerly MU 106)

Converts theoretical knowledge into practical application through sight-singing, ear-training, and rhythmic exercises. Study concepts are derived from material introduced in Music Theory I, including major and minor scales, intervals, sequential patterns and simple melodies, rhythmic patterns, tempos, and triads. Note: Concurrent enrollment in Music Theory (MUSC 111) and Ear Training and Musicianship I is required of all music majors.

**MUSC 107 - Ear Training and Musicianship II (1)**

*Prerequisite: MUSC 106*

(formerly MU 107)

Continues Ear Training and Musicianship I, coordinated with material presented in Music Theory II, including non-harmonic tones, chorale style, syncopated rhythms, cadences, and harmonic progressions. Note: Concurrent enrollment in Music Theory II (MUSC 112) and Ear Training and Musicianship II is required of all music transfer majors.

*This course is only offered in the Spring.*

**MUSC 109 - American Popular Music (3)**

Gen Ed Arts

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*

(formerly MU 109)

Surveys the development of American popular music in the 20th and 21st centuries, including the origins of both pop/rock styles, significant artists, cross-pollination with other genres, and impact on American culture. Selected pieces are examined in detail through directed listening. Topical writing assignments are required. Music reading skills unnecessary.

**MUSC 111 - Music Theory I (3)**

*Prerequisite: MUSC 103 or permission of department*

(formerly MU 111)

Presents a study of diatonic harmony through a review of music fundamentals, followed by an introduction to two and four part writing, figured bass and popular chord symbols, and theoretical analyses of musical examples. Includes some dictation and ear training drills. Note: Concurrent enrollment in Music Theory I and Ear Training and Musicianship I (MUSC 106) is required of all music transfer majors.

**MUSC 112 - Music Theory II (3)**

*Prerequisite: MUSC 111*

(formerly MU 112)

Reviews conventional 4-part writing practices and introduces 7th chords, chord progressions, secondary dominants, and modulations. Explores elementary composition and harmonization techniques. Note: Concurrent enrollment in Music Theory II and Ear Training and Musicianship II (MUSC 107) is required of all music transfer majors.

*This course is only offered in the Spring.*

**MUSC 117 - Choral Ensemble I (1)**

(formerly MU 117)

Presents a variety of choral literature for study and performance. Open to all students, and provides an ensemble option for the first year of study for music majors. Students participate as members of the Choral Arts Society of Frederick.

**MUSC 118 - Choral Ensemble I (1)**

(formerly MU 118)

Presents a variety of choral literature for study and performance. Open to all students, and provides an ensemble option for the first year of study for music majors. Students participate as members of the Choral Arts Society of Frederick.

**MUSC 119 - Jazz Ensemble I (1)**

*Prerequisite: Permission of instructor*

(formerly MU 119)

Introduces jazz music and improvisation. Study of jazz theory and harmony with practical application on chosen instrument. Two lecture/rehearsal hours weekly culminating in end of semester concert. Open to all students with permission of instructor and provides an ensemble option for the first year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 120 - Jazz Ensemble I (1)**

*Prerequisite: Permission of instructor*

(formerly MU 120)

Introduces jazz music and improvisation. Study of jazz theory and harmony with practical application on chosen instrument. Two lecture/rehearsal hours weekly culminating in end of semester concert. Open to all students with permission of instructor and provides an ensemble option for the first year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 121 - Orchestral Ensemble I (1)**

*Prerequisite: Permission of instructor*

(formerly MU 121)

Presents great orchestral music of the Baroque, Classical, Romantic, and Contemporary musical eras as the basis for study and performance. Open to all students with permission of instructor and provides an ensemble option for the first year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 122 - Orchestral Ensemble I (1)**

*Prerequisite: Permission of instructor*

(formerly MU 122)

Presents great orchestral music of the Baroque, Classical, Romantic, and Contemporary musical eras as the basis for study and performance. Open to all students with permission of instructor and provides an ensemble option for the first year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 123 - Wind Ensemble I (1)**

*Prerequisite: Permission of instructor*

(formerly MU 123)

Presents a variety of wind ensemble literature as the basis for further study and presentation. Open to all students and provides an ensemble option for the first year of study for music majors. Individual instruction in chosen instrument recommended concurrently.

**MUSC 124 - Wind Ensemble I (1)**

*Prerequisite: Permission of instructor*  
(formerly MU 124)

Presents a variety of wind ensemble literature as the basis for further study and presentation. Open to all students and provides an ensemble option for the first year of study for music majors. Individual instruction in chosen instrument recommended concurrently.

**MUSC 130 - Foundations of Audio Technology (3)**

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100*  
(formerly MU 130)

Introduces components of the recording process including a detailed analysis of the nature of sound, human hearing, and basic principles of electricity. Students will learn basic digital audio workstation operation and other skills required to work in the studio.

**MUSC 135 - Audio Recording Techniques (3)**

*Prerequisite: MUSC 130*  
(formerly MU 135)

Provides an in-depth exploration of microphone technology, analog and digital theory, and recording systems. Students will explore techniques for recording in the tonmeister style of engineering, particularly as it relates to microphone techniques and editing using a digital audio workstation.

*This course is only offered in the Spring.*

**MUSC 141 - Class Voice I (1)**

(formerly MU 141)

Offers class instruction in singing with emphasis on basic techniques of voice production, including correct breathing, posture, vowel production, and vocal problems. Various repertoire will be studied. Open to beginners. One class hour per week.

**MUSC 142 - Class Voice II (1)**

*Prerequisite: MUSC 141*  
(formerly MU 142)

Builds on skills learned in Class Voice I including more in depth study of vocal problems and vocal technique. Individual repertoire will be chosen from various styles, including folk, classical, musical theater, and contemporary. Emphasis on advancing performing skills and stylistic considerations.

**MUSC 145 - Publishing, Licensing, and Copyrighting (3)**

*Prerequisite: ENGL 70 or ENGL 75 or ESOL 72 or ESOL 100 or Co-requisite: ENGL 75 or ESOL 100*  
(formerly MU 145)

Examines music publishing, licensing, and copyright procedures used by the professional musician, music administrator, and music producer.

**MUSC 151 - Class Piano I (1)**

(formerly MU 151)

Offers beginning piano study in a classroom-lab setting. A computer workstation with electronic keyboard is available for class use. Prior music experience is not required. Students will be trained in basic keyboard skills and, if necessary, music fundamentals. In-class performances of songs with both hands will be required in all four semesters of this course. Regular individual practice on a keyboard/piano is expected.

**MUSC 152 - Class Piano II (1)**

*Prerequisite: MUSC 151*  
(formerly MU 152)

Builds on skills learned in Class Piano I. New keyboard skills include scales and chord progressions in simple major keys, as well as reading lead sheets with primary chords. Students will learn and perform two-hand repertoire featuring melody and various types of chord accompaniments to a basic standard. More elements of keyboard technique will be explored. Regular individual practice on a keyboard/piano is expected.

**MUSC 172 - First Year Piano (1)**

(formerly MU 172)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 173 - First Year Piano (1)**

(formerly MU 173)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 174 - First Year Voice (1)**

(formerly MU 174)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 175 - First Year Voice (1)**

(formerly MU 175)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 178 - First Year Brass (1)**

(formerly MU 178)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 179 - First Year Brass (1)**

(formerly MU 179)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 180 - First Year Woodwinds (1)**

(formerly MU 180)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 181 - First Year Woodwinds (1)**

(formerly MU 181)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 182 - First Year Strings (1)**

(formerly MU 182)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 183 - First Year Strings (1)**

(formerly MU 183)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 184 - First Year Guitar (1)**

(formerly MU 184)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 185 - First Year Guitar (1)**

(formerly MU 185)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 186 - First Year Percussion (1)**

(formerly MU 186)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 187 - First Year Percussion (1)**

(formerly MU 187)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 201 - Music Cultures of the World (3)**

Gen Ed Arts, Cultural Competence

*Prerequisite: ENGL 101*

(formerly MU 108)

Provides an introduction to the indigenous musical expressions of countries around the world, including African, Asian, Latin American, native North American, and the Caribbean, emphasizing a global perspective and artistic interaction of world cultures. Considers origins, unique instruments, significant genres, notable artists, and cultural functions. Selected pieces are examined in detail through directed listening. Topical writing assignments are required.

**MUSC 206 - Ear Training and Musicianship III (1)***Prerequisite: MUSC 107; Co-requisite: MUSC 211*

(formerly MU 206)

Continues skills from Ear Training and Musicianship II, coordinating with Music Theory III, including harmonic dictations in chorale style, melodic dictations with wider intervallic leaps and some chromaticism, and rhythmic dictations of more complex patterns. Sight-singing and keyboard activities are commensurate with each student's experience and ability. Computers available for use in and outside of class time. *This course is only offered in the Fall.*

**MUSC 207 - Ear Training and Musicianship IV (1)***Prerequisite: MUSC 206; Co-requisite: MUSC 212*

(formerly MU 207)

Continues skills from Ear Training and Musicianship III, coordinating with Music Theory IV, emphasizing modal melodies, chromaticism, changing meters, and modulations. In-class dictations will alternate with individual keyboard and singing assignments during class time. Computer workstations are available for use during class time. *This course is only offered in the Spring.*

**MUSC 211 - Music Theory III (3)**

*Prerequisite:* MUSC 112; *Co-requisite:* MUSC 206  
(formerly MU 211)

Continues Music Theory II, with further work on modulations, dominant relationships, cadential identifications, extended part-writing procedures, altered chords, and analyses. Includes characteristics of instrumental and vocal writing, the Neapolitan six chord and augmented sixth chords, and harmonizations with all types of chords and figured bass symbols.  
*This course is only offered in the Fall.*

**MUSC 212 - Music Theory IV (3)**

*Prerequisite:* MUSC 211; *Co-requisite:* MUSC 207  
(formerly MU 212)

Continues Music Theory III. Includes a review of extended chords and binary and ternary forms, and a more extensive study of large-scale forms such as fugues, theme and variation, sonata-allegro form, and the rondo. Introduction to late Romanticism, Impressionism, and 20th century compositional techniques using complex harmonic progressions, whole-tone and pentatonic scales, and atonality.  
*This course is only offered in the Spring.*

**MUSC 217 - Choral Ensemble II (1)**

(formerly MU 217)

Presents a variety of choral literature for study and performance. Open to all students, and provides an ensemble option for the second year of study for music majors. Students participate as members of the Choral Arts Society of Frederick.

**MUSC 218 - Choral Ensemble II (1)**

(formerly MU 218)

Presents a variety of choral literature for study and performance. Open to all students, and provides an ensemble option for the second year of study for music majors. Students participate as members of the Choral Arts Society of Frederick.

**MUSC 219 - Jazz Ensemble II (1)**

*Prerequisite:* MUSC 119 or MUSC 120 or permission of instructor  
(formerly MU 219)

Studies advanced jazz songs and improvisation. Discussion of complex theory, harmony, and rhythms with practical application on chosen instrument. Two lecture/rehearsal hours weekly culminating in end of semester concert. Private lessons on chosen instrument recommended concurrently. Open to all students with permission of instructor and provides an ensemble option for the second year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 220 - Jazz Ensemble II (1)**

*Prerequisite:* MUSC 119 or MUSC 120 or permission of instructor  
(formerly MU 220)

Studies advanced jazz songs and improvisation. Discussion of complex theory, harmony, and rhythms with practical application on chosen instrument. Two lecture/rehearsal hours weekly culminating in end of semester concert. Private lessons on chosen instrument recommended concurrently. Open to all students with permission of instructor and provides an ensemble option for the second year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 221 - Orchestral Ensemble II (1)**

*Prerequisite:* MUSC 121 or MUSC 122 or permission of instructor  
(formerly MU 221)

Presents great orchestral music of the Baroque, Classical, Romantic, and Contemporary musical eras as the basis for study and performance. Open to all students with permission of the instructor and provides an ensemble option for the second year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 222 - Orchestral Ensemble II (1)**

*Prerequisite:* MUSC 121 or MUSC 122 or permission of instructor  
(formerly MU 222)

Presents great orchestral music of the Baroque, Classical, Romantic, and Contemporary musical eras as the basis for study and performance. Open to all students with permission of the instructor and provides an ensemble option for the second year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 223 - Wind Ensemble II (1)**

*Prerequisite:* MUSC 123 or MUSC 124 or permission of instructor  
(formerly MU 223)

Presents a variety of wind ensemble literature as the basis for further study and performance. Open to all students with permission of instructor and provides an ensemble option for the second year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 224 - Wind Ensemble II (1)**

*Prerequisite:* MUSC 123 or MUSC 124 or permission of instructor  
(formerly MU 224)

Presents a variety of wind ensemble literature as the basis for further study and performance. Open to all students with permission of instructor and provides an ensemble option for the second year of study for music majors. Individual instruction on chosen instrument recommended concurrently.

**MUSC 230 - Studio Recording Techniques (3)**

*Prerequisite:* MUSC 135  
(formerly MU 230)

Focuses on contemporary recording techniques associated with popular music production. Topics include multi-track recording, overdubbing, MIDI, and project management.  
*This course is only offered in the Fall.*

**MUSC 235 - Advanced Audio Production (3)**

*Prerequisite:* MUSC 130  
(formerly MU 235)

Provides in-depth study and practical application of the tools and techniques used in professional audio recording in a variety of musical styles at a professional level. Includes advanced practical training in signal processing, mixing, and mastering. Additional topics include audio for video and product delivery.  
*This course is only offered in the Spring.*

**MUSC 240 - MIDI Music Production Techniques (3)**

*Prerequisite:* MUSC 130; *Prerequisite or Co-requisite:* MUSC 103  
(formerly MU 240)

Explores electronic music production. Students will produce electronic music using a variety of software and techniques. Topics will include notation, MIDI and controller programming, sampling, sequencing, virtual instruments, synthesizers, and production techniques.  
*This course is only offered in the Fall.*

**MUSC 250 - Music Industry Practicum and Seminar (1)**

*Prerequisite or Co-requisite: MUSC 230*

Uses seminar/discussion approach and practicum experience to analyze the role and functions of the producer and recording engineer in the professional studio recording environment. Emphasis is on the application of project planning and multi-track recording strategies, artist development issues in the studio, and role development as a producer and recording engineer.

*This course is only offered in the Fall.*

**MUSC 251 - Class Piano III (1)**

*Prerequisite: MUSC 152*

(formerly MU 251)

Continues material presented in Class Piano II. New keyboard skills include scales and chord progressions in simple minor keys as well as more complicated major keys. Students will learn and perform two-hand repertoire featuring melody and various types of chord accompaniments to a basic standard. Elements of keyboard technique will continue to be developed. Regular individual practice on a keyboard/piano is expected.

**MUSC 252 - Class Piano IV (1)**

*Prerequisite: MUSC 251*

(formerly MU 252)

Continues material presented in Class Piano III. New keyboard skills include arpeggios, greater independence of hands in polyphonic repertoire, and playing in a greater variety of styles (classical, blues, folk, etc.). All major and minor scales will be learned, hands together in one octave. Students will learn and perform two-hand repertoire featuring melody and various types of chord accompaniments to a level consistent with a secondary keyboard major in a four-year music program. Elements of keyboard technique will continue to be developed. Regular individual practice on a keyboard/piano is expected.

**MUSC 272 - Second Year Piano (1)**

*Prerequisite: permission of program manager*

(formerly MU 272)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 273 - Second Year Piano (1)**

*Prerequisite: permission of program manager*

(formerly MU 273)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 274 - Second Year Voice (1)**

*Prerequisite: permission of program manager*

(formerly MU 274)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 275 - Second Year Voice (1)**

*Prerequisite: permission of program manager*

(formerly MU 275)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 278 - Second Year Brass (1)**

*Prerequisite: permission of program manager*

(formerly MU 278)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 279 - Second Year Brass (1)**

*Prerequisite: permission of program manager*

(formerly MU 279)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 280 - Second Year Woodwinds (1)**

*Prerequisite: permission of program manager*

(formerly MU 280)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 281 - Second Year Woodwinds (1)**

*Prerequisite: permission of program manager*

(formerly MU 281)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 282 - Second Year Strings (1)**

*Prerequisite: permission of program manager*

(formerly MU 282)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 283 - Second Year Strings (1)**

*Prerequisite: permission of program manager*  
(formerly MU 283)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 284 - Second Year Guitar (1)**

*Prerequisite: permission of program manager*  
(formerly MU 284)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 285 - Second Year Guitar (1)**

*Prerequisite: permission of program manager*  
(formerly MU 285)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 286 - Second Year Percussion (1)**

*Prerequisite: permission of program manager*  
(formerly MU 286)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

**MUSC 287 - Second Year Percussion (1)**

*Prerequisite: permission of program manager*  
(formerly MU 287)

Offers thirteen hour-long lessons of instruction that encompass technique, theory, style, interpretation, and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam. Additional instructor fee: see fee schedule in credit schedule.

## Nursing (NURS)

**NURS 50 - Preparation for Nursing (0) [1]**

*Prerequisite: Acceptance into clinical nursing program*  
(formerly NU 50)

Serves as a basis for developing proficiency and accuracy in dosage calculation. Includes computations for oral, parenteral, and intravenous routes of administration for adults and children using the apothecaries, metric, and household systems of measurement.

**NURS 101 - Introduction to Clinical Nursing (6)**

Cultural Competence

*Prerequisite: Passing score on Math for Medication Safety Test*  
(formerly NU 101)

Introduces concepts of professional nursing. Emphasis is on the acquisition and application of basic knowledge, skills, and professional behaviors needed for the delivery of comprehensive care to the adult client.

**NURS 105 - Pharmacology for Nurses (2)**

*Prerequisite: Passing score on the Math for Medication Safety Test*  
(formerly NU 105)

Provides instruction in basic pharmacology necessary for providing safe and effective medication administration. Content includes essential drug knowledge needed to adequately assess, administer, and evaluate drug effects in clients. Emphasis is on the acquisition and application of basic knowledge needed for the delivery of comprehensive care to clients in all healthcare settings.

**NURS 160 - Licensed Practical Nurse, Paramedic, and Military Veteran Transition to Nursing Clinical Course (2)**

*Prerequisite: Permission of FCC Director of Nursing Education*  
(formerly NU 160)

Provides supervised directed clinical laboratory experiences to prepare Licensed Practical Nurses, Paramedics, U.S. Air Force Medical Technicians, U.S. Navy Hospital Corpsmen, and U.S. Army Medics to transition into the second year of the FCC Associate Degree Nursing Program.

**NURS 211 - Medical-Surgical Nursing I (7)**

*Prerequisite: NURS 101; Prerequisite or Co-requisite: Passing score on Math for Medication Safety Test*  
(formerly NU 211)

Introduces the study of the adult client with acute and chronic alterations in wellness. Emphasis is on assimilation and knowledge, skills, and professional behaviors needed for the delivery of comprehensive care.

**NURS 212 - Medical-Surgical Nursing II (4)**

*Prerequisite: NURS 211; Prerequisite or Co-requisite: Passing score on Math for Medication Safety Test*  
(formerly NU 212)

Continues study of the adult client with increasingly complex acute and chronic alterations in health. Emphasis is on assimilation of knowledge, skills, and professional behaviors needed for the delivery of comprehensive care.

**NURS 214 - Psychiatric/Mental Health Nursing (3)**

*Prerequisite: NURS 101; Prerequisite or Co-requisite: Passing score on Math for Medication Safety Test*  
(formerly NU 214)

Examines the impact of mental illness on the individual, family, and community. Explores treatment options and issues; and reviews the evidence-based principles and practice of psychiatric-mental health nursing. Emphasis is placed on the adaptation of knowledge, skills, and attitudes related to caring for clients with alterations in mental health.

**NURS 218 - Maternal, Child, and Family Nursing (5)**

*Prerequisite: NURS 211; Prerequisite or Co-requisite: Passing score on Math for Medication Safety Test*

(formerly NU 218)

Introduces maternal, child, and family nursing. Focuses on the reproductive phase of family life, the specific health needs of women from adolescence to menopause, the healthy newborn, and pediatric clients with acute alterations in health. Emphasis is on assimilation of knowledge, skills, and professional behaviors needed for delivery of family-centered, comprehensive care.

**NURS 231 - Medical-Surgical Nursing III (4)**

*Prerequisites: NURS 212 and NURS 218*

(formerly NU 213)

Continues study of the adult client with acute, complex, and critical alterations in health. Emphasis is on the adaptation of knowledge, skills, and attitudes needed for the delivery of comprehensive care.

**NURS 261 - Preparation for Practice (2)**

*Prerequisite: NURS 212 and NURS 218*

(formerly NU 216)

Facilitates the student's adaptation into professional nursing practice. Explores current trends in nursing and concepts related to the nurse as a professional, a member of the health care team, and manager of client care.

## Nutrition (NUTR)

**NUTR 100 - Nutrition Basics (1)**

(formerly HE 110)

Applies a basic knowledge of nutrition to enable the students to make good dietary decisions. Provides a basis for discerning healthy diets.

**NUTR 102 - Nutrition in a Changing World (3)**

Gen Ed Wellness

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR Co-requisite: ENGL 75 or ESOL 100*

(formerly HE 102)

Presents the basic principles of human nutrition with emphasis on the nutrients and factors that affect their use in the human body.

**NUTR 200 - Principles and Application of Nutrition (3)**

*Prerequisite: BSCI 100 or BSCI 150 or BI 101 or BSCI 201 or BI 103 or BSCI 107 or BI 117*

(formerly HE 200)

Introduces the principles of nutrition for the maintenance of good health throughout the life-cycle. Applications of nutritional principles are presented via the connection between diet and the prevention and treatment of disease. Investigates the socioeconomic, ecological and political factors that shape national nutritional policy and ultimately affect personal health.

## Philosophy (PHIL)

**PHIL 101 - Introduction to Philosophy (3)**

Gen Ed Humanities

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly PH 101)

Surveys major questions addressed and arguments made by many of the great philosophers. Sample issues covered include: what is the nature of reality, what makes us human, does God exist, and why is there evil?

**PHIL 102 - Critical Thinking (3)**

Gen Ed Humanities

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

Enhances critical thinking faculties through thoughtful analysis of texts and ideas. Students identify flaws in modes of thoughts, proper research techniques, and other skills on how to engage in proper argumentative discussion.

**PHIL 105 - Ethics (3)**

Gen Ed Humanities

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*

(formerly PH 205)

Introduces the problems and possibilities of moral theory and ethical decision making. Explores the application of these theories to specific moral issues such as abortion and euthanasia.

**PHIL 206 - Symbolic Logic (3)**

Gen Ed Humanities

*Prerequisite or Co-requisite: ENGL 101*

(formerly PH 206)

Utilizes critical thinking skills to derive logical conclusions through the use of symbolic logic principles. Students will learn the basic structures of logical argumentation. Logic can enhance your study of computer programming, math, science, and law.

**PHIL 207 - Biomedical Ethics (3)**

Gen Ed Humanities

*Prerequisite or Co-requisite: ENGL 101*

(formerly PH 207)

Explores ethical theories and principles specifically applied to issues of healthcare, death and dying, genetics, and scientific inquiry.

**PHIL 208 - Business Ethics (3)**

Gen Ed Humanities

*Prerequisite or Co-requisite: ENGL 101*

(formerly PH 208)

Explores the application of ethical theories and principles to specific situations addressed in the fields of business, advertising, marketing, and economics.

**PHIL 209 - Environmental Ethics (3)**

*Prerequisite or Co-requisite: ENGL 101*

(formerly PH 209)

Explores the relationship between humans and the nonhuman environment, and guides students in thinking more clearly, insightfully, and effectively about that relationship. Texts from a variety of philosophical traditions are explored in the context of the most pressing ethical, political, and legal issues concerning our treatment of the environment.

**PHIL 210 - Ethics and Film (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite or Co-requisite: ENGL 101*

(formerly PH 210)

Surveys philosophical reasoning through classic literature and film about morality, ethics, and the meanings of moral terms called meta-ethics. Some ethical issues presented include: good character, global health, justice, neocolonialism, genocide, environmentalism, war, consumerism, and disciplines such as bioethics and business ethics.

## Physical Education (PHED)

### PHED 100 - Aerobics (1)

(formerly PE 131)

Offers muscular and cardiovascular endurance exercises performed to music.

### PHED 103 - Body Sculpting (1)

(formerly PE 191)

Offers muscular strength and endurance exercises through the use of free weights, balls, and resistance tubes.

### PHED 105 - Elementary Fencing (1)

(formerly PE 160)

Introduces the history, safety, rules and etiquette of fencing. Teaches basic skills required to participate in a fencing match, as well as skills in directing and scoring a match.

### PHED 110 - Volleyball (1)

(formerly PE 165)

Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

### PHED 115 - Weight Training (1)

(formerly PE 166)

Introduces the student to basic weight training techniques, training programs, and safety procedures.

### PHED 122 - Tennis (1)

(formerly PE 179)

Introduces the basic skills of tennis, including the basic grips, forehand and backhand groundstrokes, volleys and serves; covers the rules and etiquette of the sport.

### PHED 125 - Golf (1)

(formerly PE 181)

Introduces the basic skills of golf, including the grip, stance, addressing the ball, aiming, putting, chipping, pitching and the basic full swing; covers the rules and etiquette of the sport.

### PHED 130 - Snowboarding/Skiing (1)

(formerly PE 183)

Introduces the regulations, safety and etiquette, and skills of snowboarding/skiing. The beginner student will learn skills required to safely traverse the beginner slopes. The intermediate and advanced students will learn enhanced techniques to improve their current skills levels. Students will be evaluated at the slopes and placed into the correct skill level. Additional fees paid at site.

### PHED 133 - Kickboxing (1)

(formerly PE 196)

Provides basic fundamentals of Lethwei (Burmese Kickboxing). Basic principles, history, and styles and linguistics of the fighter will be covered. This course emphasizes safety for the student and the instructor. There will be no competitive fights or hard physical contact between students during this course. Mental and physical control as well as proper training etiquette will always be maintained.

### PHED 135 - Social Dance I (1)

(formerly PE 187)

Provides instruction in the basic partner dance forms including such dances as the waltz, swing, two-step, cha-cha, polka and fox-trot. Other contemporary dances may be included.

### PHED 136 - Social Dance II (1)

*Prerequisite: PHED 135 or PE 187 or permission of instructor*

(formerly PE 193)

Social Dance II builds on the dance rhythms learned in Social Dance. The patterns to be learned will incorporate the body mechanics and technique that enable creation of body swing in the Waltz, and smoothness and polish in all the dances: Fox Trot, Swing, Cha-Cha, Rumba and Tango.

### PHED 138 - Tai Chi (1)

(formerly PE 195)

Tai Chi is a unique and traditional Chinese exercise. The benefits of practice include strengthening health, preventing illness, and slowing the effects of aging. The class is designed to provide students with a basic knowledge and history of Tai Chi, and to provide an opportunity to learn and master Tai Chi skills.

### PHED 140 - Fitness (1)

(formerly PE 198)

Engages students in full body exercises to improve fitness. Course will strive to dramatically change participant's level of activity, muscle tone and strength. Students will be able to integrate research to understand the effectiveness of exercise, and plan and implement exercise programs.

### PHED 140A - Fitness: Boot Camp (1)

(formerly PE 198A)

Engages students in full body exercises, especially utilizing body weight. The course strives to dramatically increase the participant's level of muscular activity to affect positive changes in fitness levels. It also integrates fitness research with practical application for understanding the effectiveness of exercise.

### PHED 140B - Fitness: Bang Power Dance (1)

Introduces BANG, a unique fusion of boxing, cardio, HIIT, hip-hop, world dance, and body weight training in a pre-choreographed class. It is a mixed fitness group exercise class workout that can be enhanced with options 1/2 lb. weighted gloves.

### PHED 140C - Fitness: Zumba (1)

(formerly PE 198C)

Zumba Fitness is a Latin-inspired, high-energy, cardio-dance workout that uses music and various easy-to-follow choreographed steps. Along with music styles such as Latin, Hip-Hop, Jazz, Pop, and other genres, Zumba incorporates interval training, alternating fast and slow rhythms, and resistance training.

### PHED 143 - Pilates (1)

(formerly PE 190)

Introduces the history of Pilates and describes the physiological basis of exercises that promote core body strength. Includes demonstration and active student participation of Pilates movements.

### PHED 145 - Body Mechanics (1)

(formerly PE 108)

Examines the application of physical laws to the human body at rest or in motion, including concepts of effective, efficient and aesthetic postures, both static and dynamic. Emphasizes joint motions, care of the back and components of fitness including body compositions, flexibility, strength, muscular endurance and cardiovascular endurance.

### PHED 148 - Exercise Psychology (1)

(formerly PE 237)

Introduces the psychological factors that affect exercise participation and performance.

**PHED 150 - Methods of Strength Training and Conditioning I (1)**

(formerly PE 247)

Designed for those who will be assisting others in a training program emphasizing muscular fitness. Emphasizes biomechanical principles of movement, and introduces the student to fitness teaching pedagogy, exercise programming, and implementation.

**PHED 152 - Methods of Strength Training and Conditioning II (1)***Prerequisite: PHED 150 or permission of instructor*

(formerly PE 241)

Designed for those who will be assisting others with exercise. Integrates fitness research and application, and emphasizes teaching methodologies employed in training programs that focus on group exercise. Students will apply teaching methodologies through individual and group training.

**PHED 155 - Advanced Tai Chi - Cultural Perspective (3)**

Cultural Competence

(formerly HE 130)

Introduces the traditional Chinese meditative exercise known as Tai Chi. While participating in the low intensity physical skills that comprise Tai Chi, students will be introduced to the culture, philosophy, history, and practice of the exercise.

**PHED 160 - Psychology of Sport (3)***Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR**Co-requisite: ENGL 75 or ESOL 100*

(formerly PE 161)

Explores personality factors, including but not limited to, motivation, aggression, and emotion, as they affect sport performance as well as the mental techniques used to enhance performance.

*This course is only offered in the Fall.***PHED 165 - Fitness for Living (3)**

Gen Ed Wellness

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR**Co-requisite: ENGL 75 or ESOL 100*

(formerly PE 154)

Covers the components of physical fitness, stress, care of the back, nutrition and weight control. Evaluations in all areas included through laboratory experiences.

**PHED 170 - Introduction to Health and Exercise Sciences (3)***Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR**Co-requisite: ENGL 75 or ESOL 100*

(formerly PE 153)

Provides an orientation to the profession including the relationship of physical education to education, current trends and practices, career opportunities, and areas of research. Theory course for physical education majors.

*This course is only offered in the Fall.***PHED 175 - Coaching Principles (3)***Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*

(formerly PE 236)

Provides student with the knowledge to become an effective coach. Foundational areas of coaching are presented, including coaching philosophy, sport psychology, sport pedagogy, sport physiology and sport management. Coaching certification is possible through the American Sports Education Program.

*This course is only offered in the Spring.***PHED 180 - Care and Prevention of Athletic Injuries (3)***Prerequisite or Co-requisite: ENGL 75 or ESOL 72 or ESOL 100*

(formerly PE 250)

Introduces the basic principles for care and prevention of athletic injuries. Emphasis will be placed on scientific applications for recognition, diagnosis, classification, treatment and rehabilitation of body.

**PHED 185 - Yoga (3)**

(formerly PE 188)

Provides a holistic approach to understanding some of the fundamental principles and philosophies of yoga while also providing a weekly experiential Hatha (physical) practice.

**PHED 240 - Fitness Assessment and Business Practices (3)***Prerequisite: BSCI 201 or BI 103 or BSCI 117 or BI 107 or permission of instructor*

(formerly PE 249)

Investigates the various modes and protocols used in fitness assessment and the relationship of assessment to the Personal Training business.

**PHED 250 - Essentials of Personal Training (4)***Prerequisites: (PHED 152 or PE 241) and (PHED 150 or PE 247) or permission of instructor; Prerequisite or Co-requisite: PHED 240 or PE 249 or permission of instructor*

(formerly PE 252)

Capstone course in the Personal Training Program that leads to the NASM Personal Trainer certification. Course combines 3-credit lecture and 2-credit lab.

*This course is only offered in the Spring.*

## Physical Science (PHSC)

**PHSC 101 - Survey of Physical Science (3)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100**AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR**(Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]**\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly PC 103)

Covers selected aspects of earth science, physics, chemistry, and the quantitative relationships involved in the behavior of matter. Uses simple experiments to introduce scientific topics as needed. Restricted to non-science majors. Students cannot receive credit for both (PHSC 101 or PC 103) and (PHSC 111 or PC 114).

**PHSC 104 - Survey of Oceanography (3)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100**AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR**(Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]**\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly PC 104)

Presents a study of the ocean as a dynamic and changing entity. Emphasizes connections among disciplines in and outside the areas of science. Provides a basic understanding of scientific questions, complexities and uncertainties involved with the study and use of oceans.

**PHSC 105 - Survey of Meteorology (3)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*  
 (formerly PC 105)

Surveys the basic physics of the atmosphere and the diagnostic tools of the meteorologist. Includes some discussion of applied meteorology, forecasting, pollution, and climatology. Students cannot receive credit for both (PHSC 105 or PC 105) and (PHSC 115 or PC 106).

**PHSC 109 - Energy and Society (3)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*  
 (formerly PC 121)

Explores the nature and properties of energy. Emphasizes a scientific understanding of energy and its role in the global society. Examines current and alternative energy sources used to meet the needs of a growing and developing society. Some Friday or Saturday field trips.

**PHSC 111 - Introduction to Physical Science (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*  
 (formerly PC 114)

Introduces the fundamental concepts of physics and chemistry with an emphasis on matter, motion, and energy. An inquiry-based, activities-oriented approach is used that emphasizes both conceptual and quantitative understandings of the physical world. Meets the requirement of a general education science lab course. Students cannot receive credit for both (PHSC 111 or PC 114) and (PHSC 101 or PC 103).

**PHSC 112 - Introduction to Earth Systems Science (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*  
 (formerly PC 115)

Presents an overview of the solid, fluid, and living parts of the Earth system with an emphasis on how those parts are interconnected and ever changing. An inquiry-based, activities-oriented approach is used in the course. Meets the requirement for a general education science lab course.

**PHSC 115 - Introduction to Meteorology (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*  
 (formerly PC 106)

Surveys the basic physics of the atmosphere and the diagnostic tools of the meteorologist. Includes some discussion of applied meteorology, forecasting, pollution, and climatology. Meets the requirement for a general education science lab course. Students cannot receive credit for both (PHSC 115 or PC 106) and (PHSC 105 or PC 105).

**PHSC 117 - Introduction to Astronomy (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*  
 (formerly PC 107)

Presents a survey of astronomy that includes a study of the physical nature of the universe, the solar system, stars, nebulae, and galaxies. Meets the requirement for a general education science lab course.

**PHSC 121 - Physical Geology (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*  
 (formerly PC 109)

Introduces the physical and chemical processes that occur along the surface of the earth and within the earth's interior. Topics include plate tectonics, earthquakes, volcanoes, rocks and minerals, geologic maps, and the origin and continual modification of surface features. Meets the requirement for a general education science lab course.

**PHSC 122 - Historical Geology (4)**

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
*\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*  
 (formerly PC 108)

Traces the history of the earth through time. Presents scientific theories on the origin of the earth and the evolution of life. Provides students with the tools to interpret the rock and fossil record with a focus on the geologic history of North America. Meets the requirement for a general education science lab course.

## Physics (PHYS)

### PHYS 101 - Survey of Physics (3)

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S)\* OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*  
\*MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites  
(formerly PY 101)

Presents a survey of physics. Topics include mechanics, energy, thermodynamics, waves, sound, electricity and magnetism, optics, and modern physics.

### PHYS 121 - Fundamentals of Physics I (4)

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND (MATH 165 or MA 111)*  
(formerly PY 201)

Presents the first of a two-course introductory sequence to physics using algebra and trigonometry. Topics include Newtonian mechanics, rotational motion, fluids, oscillations, and waves.

### PHYS 122 - Fundamentals of Physics II (4)

Gen Ed Science

*Prerequisite: PHYS 121 or PY 201*  
(formerly PY 202)

Presents the second of a two-course introductory sequence to physics using algebra and trigonometry. Topics include thermodynamics, electricity and magnetism, optics, and modern physics.

### PHYS 151 - General Physics I (4)

Gen Ed Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 and (MATH 185 or MA 210)*  
(formerly PY 203)

Presents the first of a three-course introductory sequence to physics using calculus. Topics include Newtonian mechanics, work and energy, gravitation, fluids, oscillations, waves, and sound.

### PHYS 252 - General Physics II (4)

Gen Ed Science

*Prerequisites: (PHYS 151 or PY 203) and (MATH 195 or MA 211)*  
(formerly PY 204)

Presents the second of a three-course introductory sequence to physics using calculus. Topics include thermodynamics, and electricity and magnetism.

### PHYS 253 - General Physics III (4)

*Prerequisite: PHYS 252 or PY 204*  
(formerly PY 205)

Presents the third of a three-course introductory sequence to physics using calculus. Topics include optics, modern physics, and special relativity.

## Police Science (POLC)

### POLC 106 - Police - Community Relations (3)

*Prerequisite: Acceptance into the Police Academy; Prerequisite or Co-requisite: ENGL 101*  
(formerly CJ 106)

An overview of law enforcement community relations and community policing concepts. Will review officer-citizen contacts, problem solving, crime prevention, cultural diversity, sexual harassment, and Americans with Disabilities Act. Review the prohibitions against racial, religious, and ethnic violence.

### POLC 112 - Criminalistics (4)

*Prerequisite: Acceptance into the Police Academy; Prerequisite or Co-requisite: ENGL 101*  
(formerly CJ 212)

Laboratory class develops skills in the identification, collection, preservation and presentation of physical evidence. Introduces police photography, including use of the camera, negative and print processing and photo preparation of courtroom presentation.

### POLC 221 - Police Defense Tactics (5)

*Prerequisite: Acceptance into the Police Academy; Prerequisite or Co-requisite: ENGL 101*  
(formerly CJ 221)

An overview of law enforcement use of force and defensive tactic concepts. Will review unarmed defense, pressure points, controlled force and impact weapon usage.

### POLC 222 - Police Arsenal and Procedures (5)

*Prerequisite: Acceptance into the Police Academy; Prerequisite or Co-requisite: ENGL 101*  
(formerly CJ 222)

An overview of law enforcement use of force and firearms concepts. Review deadly force, police and usage, mental preparation, shooting fundamentals, safe weapons handling and firearms qualifications.

### POLC 223 - Emergency Vehicle Operations Course (EVOC) (3)

*Prerequisite: Acceptance into the Police Academy; Prerequisite or Co-requisite: ENGL 101*  
(formerly CJ 223)

Presents the concepts and goals of professional driving, i.e. to reduce motor vehicle collision frequency by improving future law enforcement officer's attitude and skills. Provides a better understanding of the capabilities and limitations of an emergency police vehicle while enhancing student's knowledge and abilities as it relates to safe operation of the vehicle.

## Political Science (POSC)

### POSC 104 - American Government (3)

Gen Ed Political Science

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly PI 104)

Covers basic principles of the national government: structures, powers and operations of the Congress, the Presidency, and the Judiciary; citizenship; elections; political parties; and interest groups.

### POSC 206 - Civil Liberties (3)

*Prerequisite or Co-requisite: ENGL 101*  
(formerly PI 206)

Provides historical background, social and political issues and leading cases establishing the present rules regarding civil liberties today.

**POSC 220 - Comparative Politics (3)**

Gen Ed Political Science, Cultural Competence

*Prerequisite or Co-requisite: ENGL 101*

Introduces the comparative study of politics in both more developed countries (MDCs) and less developed countries (LDCs). Includes topics such as political culture, political movements and revolutions, nationalism, social identity, politics, state-building, socioeconomic development, regime types, and political institutions.

## Practical Nursing (NLPN)

**NLPN 112 - Nursing Across the Lifespan (8)**

*Prerequisites: NURS 105, NURS 211, and NURS 214; Co-requisite: NLPN 113 (formerly PN 112)*

Prepares practical nursing students to care for clients with common health problems across the lifespan. Supervised clinical experiences in the long-term and acute care setting are provided.

*This course is only offered in the Summer.*

**NLPN 113 - Issues in Practical Nursing (1)**

*Prerequisites: NURS 105, NURS 211, and NURS 214; Co-requisite: NLPN 112 (formerly PN 113)*

Focuses on the effective transition from student to licensed practical nurse. Emphasis is on the responsibilities associated with licensure, ethical and legal issues, employment strategies, continuing professional growth and leadership and management principles. Relevant trends in the development of the discipline of practical nursing are also emphasized.

*This course is only offered in the Summer.*

## Pre-Health Workforce Training (PHWT)

**PHWT 131 - Health Careers Skills: Certified Nursing Assistant (6)**

Provides for the awarding of articulated credits following the completion of the FCC Certified Nursing Assistant program or a Certified Nursing Assistant credential aligned with standards set by the Maryland Board of Nursing or another accredited nursing board, in recognition of the learning and skills developed therein. Students must be pursuing the Pre-Health Professions Area of Concentration major.

**PHWT 132 - Health Careers Skills: Phlebotomy Technician (6)**

Provides for the awarding of articulated credits following the completion of the FCC Phlebotomy Technician program or in recognition of certifications established by any of the following agencies: American Certification Agency (ACA) Certified Phlebotomy Technician, American Medical Technologists (AMT) Registered Phlebotomy Technician, American Society for Clinical Pathology (ASCP) Phlebotomy Technician, American Society of Phlebotomy Technicians (ASPT) Phlebotomy Technician, National Center for Competency Testing (NCCT) Phlebotomy Technician, National Healthcare Association (NHA) Certified Phlebotomy Technician, or the National Phlebotomy Association (NPA) Certified Phlebotomy Technician. Students must be pursuing the Pre-Health Professions Area of Concentration major.

**PHWT 133 - Health Careers Skills: Sterile Processing Technician (6)**

Provides for the awarding of articulated credits following the completion of the FCC Sterile Processing Technician program or in recognition of the International Association of Healthcare Central Service Materiel Management (IAHCSMM) the Certified Registered Central Service Technician (CRCST) certification. Students must be pursuing the Pre-Health Professions Area of Concentration major.

**PHWT 134 - Health Careers Skills: Dental Assistant/Oral Radiography (6)**

Provides for the awarding of articulated credits following completion of the FCC Dental Assisting/Oral Radiography program or in recognition of both the National Entry-Level Dental Assistant (NELDA) credential awarded by the Dental Association National Board and the Radiation Health & Safety (RHS) approved by the Maryland State Board of Dental Examiners. Students must be pursuing the Pre-Health Professions Area of Concentration major.

## Prior Learning Assessment Course (PLAC)

**PLAC 101 - Prior Learning Assessment: Portfolio Development (1)**

*Prerequisite: ENGL 101*

Examines and applies college-level learning gained from life experiences that align with specific courses offered by the college and are related to their educational goals. Students will document experiential learning through the assembling of various components into a portfolio, demonstrating an understanding of the portfolio development process of collecting, selecting, reflecting, and projecting. The Prior Learning Assessment (PLA) portfolio development course provides a series of structured activities and strategic approaches for students to prepare petitions to submit portfolios for credit from prior learning.

## Psychology (PSYC)

**PSYC 101 - General Psychology (3)**

Gen Ed Psychology

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly PS 101)*

Emphasizes the major factors that influence human behavior, including behavioral neuroscience, perceptual processes, consciousness, intelligence, personality and psychological disorders.

**PSYC 104 - Issues of Drug/Alcohol Use (3)**

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 (formerly PS 104)*

Presents a comprehensive study of the use of legal and illegal drugs; an analysis of the addictive and recovery process for individuals and families; a study of treatment modalities and 12-step groups; a study of the physiological and legal consequences of substance use and abuse.

**PSYC 201 - Developmental Psychology (3)**

*Prerequisite: PSYC 101 AND Prerequisite or Co-requisite: ENGL 101*

Explores central concepts related to human development throughout the life span from a chronological perspective. Discussion will focus on physical, socioemotional, and cognitive development during the various stages of life, from prenatal development through death. The course considers the interactional relationship between individuals and their environments. Major theoretical approaches to developmental psychology will expose the student to current thinking regarding both typical and atypical human growth outcomes. The course will also focus on class and current research in developmental psychology, including discussion of research methods utilized by developmentalists.

**PSYC 202 - Social Psychology (3)**

Gen Ed Psychology

*Prerequisite: ENGL 101*

(formerly PS 202)

Explores the effects of the social environment upon the human organism through the study of interpersonal relationships, and the social influences on cognitive processes such as social perception, attribution, persuasion, prejudice and discrimination, aggression, prosocial behavior and group interaction.

**PSYC 204 - Psychology of Adolescence (3)***Prerequisite: ENGL 101 and PSYC 101*

(formerly PS 204)

Explores physiological, psychological and social dilemmas of the adolescent. Considers relevant contemporary research and behavioral determinants.

**PSYC 205 - Psychology of Aging (3)***Prerequisite or Co-requisite: ENGL 101*

(formerly PS 205)

Introduces the normal physiological, psychological and sociological changes that occur during the life span. Emphasis on consequent behavior patterns and changing needs of the elderly. Includes study of adaptive processes, intervention techniques, strategies and availability of services.

**PSYC 206 - Abnormal Psychology (3)***Prerequisite: PSYC 101; Prerequisite or Co-requisite: ENGL 101*

(formerly PS 206)

Explores the nature, etiology, diagnosis, prognosis, treatment and possible prevention of the major classifications of psychological disorders including anxiety, mood, eating, substance-related, schizophrenic, dissociative, personality and childhood disorders.

**PSYC 207 - Death and Dying (3)***Prerequisite or Co-requisite: ENGL 101*

(formerly PS 207)

Introduces the origins and development of death attitudes and behavior. Topics include euthanasia; suicide; grief and mourning processes; the funeral system; legal rights; and coping strategies. Emphasis on death as a normal developmental event.

## Respiratory Care (RESP)

**RESP 100 - Introduction to Respiratory Care (2)***Prerequisite: BSCI 201 or BI 103*

(formerly RC 100)

Introduces respiratory care as a profession, including the healthcare environment and the respiratory care practitioner's role on the healthcare team. Specific topics include the holistic concept of patient care, psychosocial issues with particular attention to death and dying, medicolegal and ethical considerations of respiratory care, and professional interpersonal relationships. Topics also include medical terminology, infection control techniques, and physical assessment methods.

*This course is only offered in the Fall.***RESP 101 - Gas Exchange Physiology (2)***Prerequisite: BSCI 201 or BI 103*

(formerly RC 104)

Focuses on the structure and function of the lung as related to gas exchange, diffusion, perfusion and ventilation-perfusion relationships. Emphasizes oxygen and carbon dioxide transport abnormalities in the gas exchange mechanisms. This will lead to and be integrated with clinical applications and interpretations of arterial blood-gas analysis. *This course is only offered in the Fall.*

**RESP 102 - Fundamentals of Respiratory Care (4)***Prerequisite: BSCI 201 or BI 103*

(formerly RC 102)

Introduces basic respiratory care modalities, including medical gas therapy, aerosol and humidity therapy, hyperinflation therapy, and bronchial hygiene therapy. Laboratory portion of the course provides practical experience performing procedures presented in the didactic portion of the course in a controlled laboratory setting. *This course is only offered in the Fall.*

**RESP 103 - Pharmacology (3)***Prerequisites: (BSCI 202 or BI 104) and RESP 100 and (RESP 101 or RC 104) and RESP 102*

(formerly RC 103)

Introduces the various classifications of drugs, including drug action and effects, site of activity, recommended dosages and toxicity. Emphasis on anesthetics, bronchodilators, mucokinetics, cardiovascular agents and drugs affecting the nervous system as they apply to respiratory therapy. *This course is only offered in the Spring.*

**RESP 105 - Cardiopulmonary and Renal Anatomy and Physiology (3)***Prerequisites: (BSCI 202 or BI 104) and RESP 100 and (RESP 101 or RC 104) and RESP 102*

(formerly RC 105)

Emphasizes the structure and function of the pulmonary, cardiovascular and renal systems as they relate to respiratory care. *This course is only offered in the Spring.*

**RESP 107 - Principles of Mechanical Ventilation (4)***Prerequisites: (BSCI 202 or BI 104) and RESP 100 and (RESP 101 or RC 104) and RESP 102*

(formerly RC 107)

Explores general principles of gas physics, principles of airway management, intubation and the theory and operation of mechanical ventilators. Includes special problems associated with both short-term and long-term care of patients requiring artificial ventilation. Integrates arterial blood gas studies with course topics. The laboratory portion of the course takes the principles and procedures presented in lecture and applies them via procedure competency testing and simulated clinical situations.

*This course is only offered in the Spring.***RESP 109 - Clinical Practicum I (2)***Prerequisites: (BSCI 202 or BI 104) and RESP 100 and (RESP 101 or RC 104) and RESP 102*

(formerly RC 109)

Introduces the hospital environment and patient care, including patients charts and record-keeping. Includes practical experience in using basic respiratory therapy equipment and applying it to patient care. Students perform basic respiratory therapy modalities such as oxygen therapy, aerosol therapy, IPPB, incentive spirometry and chest physiotherapy and postural drainage.

*This course is only offered in the Spring.*

**RESP 110 - Clinical Practicum II (2)**

*Prerequisites: RESP 103, RESP 105, RESP 107, RESP 109*  
(formerly RC 110)

Teaches proficiency in administering basic respiratory care procedures and handling every aspect of general care. Introduces the intensive care environment and the theory and practical use of mechanical ventilators. Includes practical experience in obtaining arterial blood gases.

*This course is only offered in the Summer.*

**RESP 200 - Pulmonary Diagnostics (2)**

*Prerequisite: RESP 110*  
(formerly RC 206)

Includes a detailed analysis of all major parameters of ventilatory measurement as well as diagnostic significance of deviations from predicted normal values.

*This course is only offered in the Fall.*

**RESP 201 - Cardiac Monitoring and Diagnostics (4)**

*Prerequisite: RESP 110*  
(formerly RC 204)

Presents the theory, equipment, and techniques involved in cardiac monitoring. Recognition of normal values and normal waveforms will be emphasized as a reference for identifying abnormal and life threatening changes. Students must satisfactorily complete competency tests, including EKG monitoring and assembly of fluid filled monitoring systems.

*This course is only offered in the Fall.*

**RESP 202 - Neonatal and Pediatric Respiratory Care (3)**

*Prerequisite: RESP 110*  
(formerly RC 202)

Provides an in-depth perspective of pediatric and neonatal respiratory care. Includes high-risk deliveries, abnormalities and diseases, and the interventions used. Discusses mechanical ventilation for the neonatal and pediatric patient. Students must satisfactorily complete competency tests on the operation of neonatal and pediatric ventilators.

*This course is only offered in the Fall.*

**RESP 203 - Clinical Practicum III (2)**

*Prerequisite: RESP 110*  
(formerly RC 208)

Develops advanced skills in the critical care environment regarding management of the patient dependent upon mechanical ventilation. Practical experiences gained in hemodynamic monitoring.

*This course is only offered in the Fall.*

**RESP 204 - Pulmonary Rehabilitation and Home Care (2)**

*Prerequisites: (RESP 200 or RC 206) and (RESP 201 or RC 204) and RESP 202 and (RESP 203 or RC 208)*  
(formerly RC 203)

Reviews all of the assessment skills, equipment, and interventions presented throughout the program, and applies them to the care of patients in alternative settings. Focus is on teaching patients to live with their diseases. A capstone course for the respiratory care program.

*This course is only offered in the Spring.*

**RESP 205 - Professional Seminar (2)**

*Prerequisites: (RESP 200 or RC 206) and (RESP 201 or RC 204) and RESP 202 and (RESP 203 or RC 208)*  
(formerly RC 205)

Prepares students for entry into clinical practice. Emphasizes preparation for the entry level and registry examinations given by the National Board for Respiratory Care. Provides familiarization with the prospective test matrices and uses both text and computer review materials. Reviews and discusses assigned current readings from various journals related to respiratory therapy.

*This course is only offered in the Spring.*

**RESP 207 - Cardiopulmonary and Renal Pathophysiology Review (3)**

*Prerequisites: (RESP 200 or RC 206) and (RESP 201 or RC 204) and RESP 202 and (RESP 203 or RC 208)*  
(formerly RC 207)

Examines the effects of various diseases upon the cardiopulmonary and renal systems. Discusses both acute and long-term aspects of ventilatory-circulatory impairment. Emphasis on diseases that cause insult to the respiratory system.

*This course is only offered in the Spring.*

**RESP 209 - Clinical Practicum IV (2)**

*Prerequisites: (RESP 200 or RC 206) and (RESP 201 or RC 204) and RESP 202 and (RESP 203 or RC 208)*  
(formerly RC 209)

Provides clinical experience in the pediatric/neonatal environment as well as advanced adult critical care. Students rotate through neonatal and pediatric intensive care units and gain practical experience with mechanical ventilator management and various therapeutic techniques for this patient population. Students also rotate through various adult critical care areas.

*This course is only offered in the Spring.*

## Sociology (SOCY)

**SOCY 101 - Introduction to Sociology (3)**

Gen Ed Sociology

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly SO 101)

Introduces the student to the study of society and the impact of society upon the individual. Exemplifies social processes in cultural patterns and institutions. Examines group values at various levels of human relationship.

**SOCY 102 - Social Problems (3)**

Gen Ed Sociology, Cultural Competence

*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100*  
(formerly SO 102)

Offers the study of community problems and sociological processes involved in the analysis of universal and local sociological phenomena.

**SOCY 201 - Criminology (3)**

*Prerequisite: ENGL 101 or SOCY 101*  
(formerly SO 201)

Explores criminal behavior and the methods of its study, causation, types of criminal acts and offenders, punishment, correction and incarceration and prevention of crime.

**SOCY 202 - Families and Society (3)**

*Prerequisite: ENGL 101 or SOCY 101*  
(formerly SO 202)

Presents a comparative analysis of family organization in different societies, with reference to the urban family of Western society. Explores basic causes of change and trends in family structure and function. Topics include mate selections, marriage vows, marital prediction and child-rearing practices.

**SOCY 207 - Sexuality and Society (3)**

*Prerequisite: ENGL 101 or SOCY 101*  
(formerly SO 207)

Introduces sexuality as a political, cultural and social issue. Examines how societies influence the development of sexual scripts, what is considered 'normal' and 'abnormal', 'moral' and 'immoral', and explores how these beliefs influence social responses to current social problems related to sexuality.

**SOCY 210 - Ethnic Diversity (3)**

Gen Ed Sociology, Cultural Competence  
*Prerequisite or Co-requisite: ENGL 101 or SOCY 101*  
(formerly SO 210)

A survey of the status and treatment of ethnic groups in the United States; patterns of dominant and subordinate relations, prejudice and discrimination; historical and current problems, demographic and social background, political and social policies.

**SOCY 212 - Gender and Society (3)**

Gen Ed Sociology, Cultural Competence  
*Prerequisite: ENGL 101 or SOCY 101*  
(formerly SO 212)

Introduces the scientific study of women as a multicultural group. Reviews material from the fields of psychology, sociology, anthropology, and medicine as it related to women. Particular effort will be made to address the experiences of women of varied races, ethnic groups, classes, national origins, and sexual orientations so that the whole concept of gender may be broadened to take these different experiences and different concerns into account.

## Surgical Technology (SURG)

**SURG 120 - Surgery Essentials (3)**

*Prerequisites: (MEDA 108 or MEDA 109) and (BSCI 202 or BI 104)*  
(formerly ST 120)

Provides an introduction to the surgical environment and the essential skills required of a surgical technologist. Emphasizes the fundamental concepts of sterile technique, critical thinking, and professionalism. Application and demonstration of essential surgical technology skills and concepts are required to advance in the program.

**SURG 125 - Fundamentals of Surgical Technology I (6)**

*Prerequisite: SURG 120*  
(formerly ST 100)

Develops concepts, skills, and attitudes required by students to perform as members of a surgical team. Simulated practice time in the on-campus lab and didactic instruction prepare the student for the clinical practicum component of this course. Evidence of competence is essential in sterile technique and basic skills.

**SURG 130 - Introduction to Surgical Technology (6)**

Cultural Competence  
(formerly ST 101)

Provides an overview of the functions of the surgical technologist in the perioperative environment. Integrates the fundamental principles and protocols of microbiology, sterile technique, pharmacology, medication calculations, anesthesia, ethical and legal considerations, mindfulness, cultural competence and inclusion, patient care concepts, all-hazards preparation, and teamwork.

**SURG 135 - Fundamentals of Surgical Technology II (5)**

*Prerequisite: SURG 125 or ST 100*  
(formerly ST 105)

Develops fundamental surgical technology principles, practices, and protocols. Proficiency to be demonstrated in sterile and nonsterile roles during the perioperative phases of invasive diagnostic and surgical procedures.

**SURG 200 - Fundamentals of Surgical Technology III (6)**

*Prerequisite: SURG 135 or ST 105*

Provides theory and practice related to the dynamic role of the surgical technologist in the perioperative setting. Integrates professional communication, advancement in skill level, and critical thinking with participation in complex surgical procedures.

**SURG 205 - Fundamentals of Surgical Technology IV (6)**

*Prerequisite: SURG 135 or ST 105*

Provides theory and practice related to the dynamic role of the surgical technologist in the perioperative setting. Emphasizes application of the fundamental principles, practices, and protocols for surgical technologists in complex procedures in preparation for employment in the field. Evidence of critical thinking, precise application of sterile technique, and professionalism is required. Prepares the student to sit for the national certification examination in surgical technology.

## Theater (THEA)

**THEA 100 - Introduction to Theatre (3)**

Gen Ed Arts, Cultural Competence  
*Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 OR*  
*Co-requisite: ENGL 75 or ESOL 100*

Introduces the history of drama and the theatre through reading, viewing and discussing plays.

**THEA 102 - Introduction to Acting (3)**

(formerly THR 102)

Offers a basic study of acting, through both a historical perspective and in-depth exercises.

**THEA 107 - Improvisation I (3)**

(formerly THR 107)

Provides students with a basic overview of modern improvisation techniques. Emphasis will be placed on techniques used to build confidence, creativity, critical thinking, and learn team building skills. Course offers an introduction of improvisation as a tool for professional auditions and performances.

**THEA 108 - Theatre Ensemble I (3)**

(formerly THR 108)

Explores performance, design, direction, and technical aspects of theatre as students work together to build theatre from the common interest of the class group. The course begins with an overview of the history of devised theatre and examines the socio-cultural-political context for developing approaches to the process of devising and performing genres.

**THEA 121 - Stagecraft (3)**

(formerly THR 121)

Explores all technical aspects of play production, with emphasis on set construction, scene painting, properties and stage lighting. Provides laboratory experience in conjunction with campus theater productions. *This course is only offered in the Fall.*

**THEA 202 - Advanced Acting (3)***Prerequisite: THEA 102*

(formerly THR 206)

Explores an intermediate study of acting, through both an historical perspective and in-depth exercises. Students explore scene-work through modern American texts.

*This course is only offered in the Spring.***THEA 203 - Fundamentals of Directing (3)***Prerequisite or Co-requisite: THEA 101*

(formerly THR 203)

Explores the fundamentals of play directing through exercises, directional play analysis, and projects in directing short scenes.

**THEA 204 - Production Survey (1)***Prerequisite: Permission of instructor*

(formerly THR 204)

Provides experience in a campus theater production as a member of the production crew. May be taken for credit three times.

**THEA 205 - Acting Survey (1)***Prerequisite: Permission of instructor*

(formerly THR 205)

Provides experience in a campus theater production as a member of the cast. May be taken for credit three times.

**THEA 207 - Improvisation II (3)***Prerequisite: THEA 107*

(formerly THR 207)

Explores advanced improvisation techniques for public presentation. Emphasis will be placed on advanced techniques used to build confidence, creativity, critical thinking, and learn team building skills. The class offers an in-depth exploration of improvisation as a tool for professional auditions, performance, and character building.

**THEA 208 - Theatre Ensemble II (3)***Prerequisite: THEA 108*

(formerly THR 208)

Explores advanced methods and execution of creating, rehearsing, and producing a piece of theatre through creativity, critical thinking, and team building skills. The course will use advanced multi-disciplinary research skills on topics deemed socially relevant by the class and through improvisation, script writing, and other play creation techniques, the class will present a vibrant theatre piece with a strong community focus.

**THEA 212 - Theatre Internship (3)***Prerequisite: Permission of instructor*

(formerly THR 212)

Offers an intensive study of theatrical performance, including both acting and stagecraft assignments. Students prepare a theatrical production through an internship with a professional theatre company in production, performance, business, or design.

## World Languages: Arabic (ARBC)

**ARBC 101 - Introductory Arabic I (3)**

Gen Ed Humanities

(formerly LAR 101)

Introduces the fundamentals of the Arabic language both written and spoken. Offers a strong foundation in the language through development of vocabulary, grammar, reading, and conversational skills. Offers insights into Arabic culture and customs.

**ARBC 102 - Introductory Arabic II (3)**

Gen Ed Humanities

*Prerequisite: ARBC 101 or permission of program manager*

(formerly LAR 102)

Continues the fundamentals of the Arabic language, both written and spoken. Offers a strong foundation in the language through further development of vocabulary, grammar, reading, and conversational skills. Provides insights into Arabic culture and customs.

## World Languages: Chinese (CHIN)

**CHIN 101 - Introductory Chinese I (4)**

Gen Ed Humanities

(formerly LC 101)

Introduces the fundamentals of the Chinese language and culture. Develops communicative competence in the four basic language skills (speaking, listening, reading, and writing). The Pinyin phonetic system of Mandarin Chinese and the Chinese characters are introduced in this course.

## World Languages: French (FREN)

**FREN 101 - Introductory French I (3)**

Gen Ed Humanities

(formerly LF 101)

Introduces the fundamentals of French grammar and vocabulary. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of lifelike dialogues, students gain insight into French culture, thought, and expression.

**FREN 102 - Introductory French II (3)**

Gen Ed Humanities

*Prerequisite: FREN 101*

(formerly LF 102)

Continues to build upon the structures learned in FREN 101. Students will improve fluency as they learn new grammar and vocabulary with increased emphasis on literature and idiomatic speech. Through the reading of life-like dialogues, students gain insight into French culture, thought, and expression.

**FREN 201 - Intermediate French I (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: FREN 102*

(formerly LF 201)

Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in French and increased emphasis on reading, writing, and intercultural competence.

**FREN 202 - Intermediate French II (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: FREN 201*

(formerly LF 202)

Continues to build upon structures learned in FREN 201. Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in French and increased emphasis on reading, writing, and intercultural competence.

## World Languages: German (GERM)

**GERM 101 - Introductory German I (3)**

Gen Ed Humanities

(formerly LG 101)

Introduces the fundamentals of German grammar and vocabulary. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of lifelike dialogs, students gain insight into German culture, thought, and expression.

**GERM 102 - Introductory German II (3)**

Gen Ed Humanities

*Prerequisite: GERM 101*

(formerly LG 102)

Continues to build upon the structures learned in GERM 101. Students will improve fluency as they learn new grammar and vocabulary. Through the reading of lifelike dialogues, students gain insight into aspects of life in German-speaking countries, thought, and expression.

**GERM 201 - Intermediate German I (3)**

Gen Ed Humanities

*Prerequisite: GERM 102*

(formerly LG 201)

Presents advanced grammar and composition with selected readings pertinent to the intermediate level. This course will further develop all four language skills (listening, speaking, reading, and writing) in a cultural context.

**GERM 202 - Intermediate German II (3)**

Gen Ed Humanities

*Prerequisite: GERM 201*

(formerly LG 202)

Continues to develop the main four language skills: reading, writing, listening, and speaking in a cultural context. Reviews and expands upon the basic grammar covered in previous courses. Students will broaden their active and passive vocabulary and learn to read texts of various genres.

## World Languages: Italian (ITAL)

**ITAL 101 - Introductory Italian I (3)**

Gen Ed Humanities

(formerly LI 101)

Introduces the fundamentals of Italian grammar and vocabulary. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of lifelike dialogues, students gain insight into Italian culture, thought, and expression.

**ITAL 102 - Introductory Italian II (3)**

Gen Ed Humanities

*Prerequisite: ITAL 101*

(formerly LI 102)

Continues to build upon the structures learned in ITAL 101. Students will improve fluency as they learn new grammar and vocabulary. Through the reading of lifelike dialogues, students gain insight into Italian culture, thought, and expression.

**ITAL 201 - Intermediate Italian I (3)**

Gen Ed Humanities

*Prerequisite: ITAL 102*

(formerly LI 201)

Presents advanced grammar and composition with selected readings pertinent to intermediate level. Group discussions in Italian and increased emphasis in reading, writing, and intercultural competence.

## World Languages: Latin (LATN)

**LATN 101 - Introductory Latin I (3)**

Gen Ed Humanities

(formerly LL 101)

Introduces classical Latin language. Presents the study of Latin grammar and vocabulary with the goal of developing reading skills in the language. Offers insight into Roman literature, thought and expression through the reading of Latin sentences and passages derived from ancient authors.

**LATN 102 - Introductory Latin II (3)**

Gen Ed Humanities

*Prerequisite: LATN 101*

(formerly LL 102)

Continues the fundamentals of LATN 101. Introduces elementary readings in Latin literature.

**LATN 201 - Intermediate Latin I (3)**

Gen Ed Humanities

*Prerequisite: LATN 102*

(formerly LL 201)

Presents Latin grammar through lecture, practice, review and the reading of ancient authors. Includes medieval Latin and the Vulgate Roman and Greek culture appropriate to the readings. Increases English vocabulary by recognition of English words derived through Latin.

**LATN 202 - Intermediate Latin II (3)**

Gen Ed Humanities

*Prerequisite: LATN 201*

(formerly LL 202)

Reviews Latin grammar. Presents Virgil's Aeneid, Books I, II, IV and VI. Includes Roman and Greek culture and mythology appropriate to the readings.

## World Languages: Russian (RUSS)

**RUSS 101 - Introductory Russian I (3)**

Gen Ed Humanities

(formerly LR 101)

Introduces the fundamentals of the Russian written and spoken language. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of lifelike dialogues, students gain insight into Russian culture, thought, and expression.

**RUSS 102 - Introductory Russian II (3)**

Gen Ed Humanities

*Prerequisite: RUSS 101*

(formerly LR 102)

Continues to build upon the structures learned in RUSS 101. Students will improve fluency as they learn new grammar and vocabulary. Through the reading of lifelike dialogues, students gain insight into Russian culture, thought, and expression.

**RUSS 201 - Intermediate Russian I (3)**

Gen Ed Humanities

*Prerequisite: RUSS 102*

(formerly LR 201)

Presents advanced grammar and composition within selected readings pertinent to the intermediate level. Group discussions in Russian and increased emphasis on reading, writing, and intercultural competence.

## World Languages: Spanish (SPAN)

**SPAN 101 - Introductory Spanish I (3)**

Gen Ed Humanities

(formerly LS 101)

Introduces the fundamentals of Spanish grammar and vocabulary. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of lifelike dialogues, students gain insight into Spanish culture, thought, and expression.

**SPAN 102 - Introductory Spanish II (3)**

Gen Ed Humanities

*Prerequisite: SPAN 101 or permission of program manager*

(formerly LS 102)

Continues to build upon the structures learned in SPAN 101. Students will improve fluency as they learn new grammar and vocabulary. Through the reading of lifelike dialogues, students gain insight into Spanish culture, thought, and expression.

**SPAN 201 - Intermediate Spanish I (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: SPAN 102 or permission of program manager*

(formerly LS 201)

Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in Spanish and increased emphasis on reading, writing, and intercultural competence.

**SPAN 202 - Intermediate Spanish II (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: SPAN 201 or permission of program manager*

(formerly LS 202)

Continues to build upon structures learned in SPAN 201. Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in Spanish and increased emphasis on reading, writing, and intercultural competence.

**SPAN 211 - Spanish Conversation I (3)**

Gen Ed Humanities, Cultural Competence

*Prerequisite: SPAN 102 or permission of program manager*

(formerly LS 211)

Develops oral fluency and language skills through interpretation and discussion of select readings, videos, songs and cultural experiences.

# CONTINUING EDUCATION & WORKFORCE DEVELOPMENT OFFERINGS

The FCC Continuing Education & Workforce Development team provides programs that reflect the needs, interests and trends in business and industry, and programs that promote the personal and professional growth of the community.

A wide range of non-credit courses are offered in day, evening, weekend, and online formats that appeal to people of all ages with busy lifestyles. Continuing education courses represent leading-edge curricula and quality instruction. Instructors are generally field practitioners who bring firsthand knowledge to the classroom. The courses that provide students with hands-on training utilize state-of-the-art equipment. In addition, all courses can be tailored to the applications of individual businesses through customized training contracts within parameters convenient to the companies.

## Workforce Development & Career Training

Today's work environment requires each person to have a broader range of skills and communication abilities than ever before.

Workforce development courses are designed in conjunction with professional organizations, as well as area businesses and industries. Programs are intended to enhance and update skills or provide entry-level career training. Courses include those which prepare individuals for national certification and licensing examinations or for recertification/relicensing. For more information, call 240.629.7905.

## FCC Business Solutions and Strategic Initiatives

Frederick Community College prepares organizations and their employees to meet the challenges of a diverse, global society through quality, accessible, innovative training and development.

Business Solutions and Strategic Initiatives allows businesses to quickly and efficiently access training that is tailored to their specific needs, training that is of professional quality, competitively priced and is delivered by local workforce development professionals.

By examining what our customers need, Business Solutions and Strategic Initiatives has established itself as Frederick County's premier local training provider.

For more information, call 240.629.7982.

## Adult Education Programs GED Preparation

The college offers free classes to help prepare for the GED exam to earn a high school diploma or strengthen basic skills needed to enter post-secondary education, job training, or employment.

High school diploma courses include instruction in Reasoning through Language Arts, Mathematical Reasoning, Science, and Social Studies to prepare for the GED exam. GED practice tests are provided for those who

complete the course. Counseling and advising is provided for those who wish to continue with job training or a college education.

Non-credit reading and math courses prepare students to strengthen basic reading and writing or math skills to increase Accuplacer scores to transition into college classes. Students are eligible to re-take Accuplacer after successfully completing a course.

All classes are offered free of charge. For more information, call 240.629.7962 or fill out the interest survey at <https://form.jotform.com/fccmarketing/adultedinterest> (<https://form.jotform.com/fccmarketing/adultedinterest/>).

## Community Based English as a Second Language

The college offers English courses that help students build their reading, writing, listening, and speaking skills and increase their knowledge of American culture and democracy. The Basic ESL program offers free integrated skills instruction to adults over 18. The Targeted ESL program offers fee-based focused skills instruction to adults over 16. Financial assistance is available for eligible students. All students are tested to determine class and program placement. For more information call 240.269.7962.

## Lifelong Learning

Lifelong Learning at Frederick Community College offers unique events and experiences for inquisitive minds with a focus on personal enrichment, artistic growth, and self-discovery.

Check [frederick.edu/lifelonglearning](http://frederick.edu/lifelonglearning) (<http://frederick.edu/lifelonglearning/>) for the latest list of courses.

## Youth & Community Education

Our Youth Programs offer extensive course selections for children and adolescents. Courses build on existing skills while exploring interests and introducing new ideas. Course lengths range from several hours to several weeks.

The Thrive program offers creative and educational non-credit classes for adults with intellectual disabilities.

Call 301.846.2661 for more information.

## Institute for Learning in Retirement (ILR)

The ILR program at FCC offers a broad range of affordable courses and Learning on Location experiences designed for adults age 55 and older. There are no tests or grades in ILR, only stimulating ways to tickle the brain and indulge one's curiosity in the company of other lifelong learners.

To receive a course schedule for the Institute for Learning in Retirement, call 301.864.2561 or go to [www.ilratfcc.com](http://www.ilratfcc.com) (<http://www.ilratfcc.com>) to view the list of current classes.

## Motorcycle Safety Program

Our Motorcycle Safety programs are taught by Motor Vehicle Administration and Motorcycle Safety Foundation certified instructors. Basic Rider and Motorcycle Safety: Basic Rider Course 2-License Waiver (BRC2-LW) prepare students for a Class "M" license.

Riders are to provide their own riding gear, which includes a DOT certified helmet, eye protection, jacket, full-fingered gloves, long pants and sturdy

over-the-ankle footwear. To complete a course, riders must pass a knowledge and skill test administered at the end of the course.

Check [frederick.edu/Motorcycle](http://frederick.edu/Motorcycle) (<http://frederick.edu/Motorcycle/>) or call 301.624.2727 for the most current schedules.

## **FCC Foundation Scholarships**

The FCC Foundation has scholarships available for students who enroll in continuing education programs. While some scholarships are available for any program, others are restricted to students registering for a specific course.

Email [foundation@frederick.edu](mailto:foundation@frederick.edu) and include Continuing Education scholarships in the subject line to learn more.

# CONTINUING EDUCATION WORKFORCE TRAINING CERTIFICATES

A Workforce Training Certificate (<https://frederick.augusoft.net/?method=templates.CustomTemplatePreview&ContentID=287>) credential is comprised of a non-credit course or series of courses that focus on the skills you need to succeed in a specific industry. It demonstrates to employers that you have studied a specific body of knowledge or mastered a practice or new technology. Frederick Community College awards Workforce Training Certificates to students who successfully complete all of the specified certificate requirements as stated below per program.

**To be eligible to receive a Workforce Training Certificate, students must:**

1. Complete a course or series of courses identified as a Workforce Training Certificate program, as approved by the College.
2. Complete courses on the basis of competency.

Please note:

- No course substitutions are allowed.
- Students can request approval to transfer up to 25% of total Certificate contact hours of prior learning from an accredited institution for some Workforce Training Certificates.
- Workforce Training Certificates are issued each month.
- Workforce Training Certificate recipients do not take part in commencement ceremonies, unless they have also completed a degree or certificate.

*Non-credit courses. Fee structure for courses is subject to change. Consult the current Continuing Education class schedule located at [frederick.edu/QuickEnroll](http://frederick.edu/QuickEnroll) (<http://frederick.edu/QuickEnroll/>). Courses not eligible for federal financial aid.*

- Career and Technical Training (p. 223)
  - Principles and Practices of Real Estate in Maryland Workforce Training Certificate (p. 223)
  - Home Inspector Workforce Training Certificate (p. 223)
- Construction and Applied Technologies Institute (CATI) (p. 224)
  - Electrical Foundations Workforce Training Certificate (p. 224)
  - Electrical Advanced Workforce Training Certificate (p. 224)
  - HVAC Foundations Workforce Training Certificate (p. 224)
  - HVAC Advanced Workforce Training Certificate (p. 225)
  - Welding Foundations Workforce Training Certificate (p. 225)
  - Welding - GMAW Workforce Training Certificate (p. 225)
  - Welding - SMAW Workforce Training Certificate (p. 225)
- Healthcare Careers (p. 226)
  - Certified Nursing Assistant Workforce Training Certificate (p. 226)
  - Dental Assisting Workforce Training Certificate (p. 226)
  - Oral Radiography with Clinical Workforce Training Certificate (p. 226)
  - Oral Radiography Workforce Training Certificate (p. 227)
  - Medical Billing - AAPC Workforce Training Certificate (p. 227)
  - Medical Coding - AAPC Workforce Training Certificate (p. 227)

- Patient Care Technician Workforce Training Certificate (p. 227)
- Phlebotomy Technician Workforce Training Certificate (p. 227)
- Sterile Processing Technician Workforce Training Certificate (p. 228)
- Veterinary Assistant Workforce Training Certificate (p. 228)

## Career and Technical Training

- Principles and Practices of Real Estate in Maryland Workforce Training Certificate (p. 223)
- Home Inspector Workforce Training Certificate (p. 223)

## Principles and Practices of Real Estate in Maryland Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/business/real-estate-home-inspection.aspx>)

**Program Manager:** Kathi Groover  
**Email:** [kgroover@frederick.edu](mailto:kgroover@frederick.edu)  
**Phone:** 301.846.2682

### Program Description

This course delivers what you need to know for the Maryland state licensing exam while providing essential business knowledge and a strong foundation for success as a real estate salesperson in Maryland. Designed especially for those preparing to take the Maryland Real Estate Licensing Examination, participants must attend all 60-hours<sup>1</sup> and receive a 70% or better on the final exam in order to receive an official certificate necessary to take the state level examination.

1

The State of Maryland requires at least 60 hours of classroom instruction for students to sit for the Maryland Real Estate Commission Licensing Exam. There are no exceptions to this requirement. As such, participants are required to sign in/out and are expected to be on time for each class. Those arriving more than 10 minutes late are considered absent for the entire class.

### Program Requirements

Code	Title	Credits
Required Course/s		
REA 203	Principles and Practices of Real Estate In Maryland	

## Home Inspector Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/business/real-estate-home-inspection.aspx>)

**Program Manager:** Kathi Groover  
**Email:** [kgroover@frederick.edu](mailto:kgroover@frederick.edu)  
**Phone:** 301.846.2682

### Program Description

This course covers the basics of home inspection as required to work as a licensed home inspector in the state of Maryland. Topics

include the following systems: structural, exterior, interior, roofing, plumbing, electrical, heating & air conditioning, insulation and ventilation, fireplace and solid burning, and kitchen appliances. Program meets the requirements for home inspection pre-licensure for the state of Maryland.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CPD 323	HOME INSPECTION PRE-LICENSURE	

## Construction and Applied Technologies Institute (CATI)

**Program Manager:** Chuck LoSchiavo  
**Email:** closchiavo@frederick.edu  
**Phone:** 240.629.7902

- Electrical Foundations Workforce Training Certificate (p. 224)
- Electrical Advanced Workforce Training Certificate (p. 224)
- HVAC Foundations Workforce Training Certificate (p. 224)
- HVAC Advanced Workforce Training Certificate (p. 225)
- Welding Foundations Workforce Training Certificate (p. 225)
- Welding - GMAW Workforce Training Certificate (p. 225)
- Welding - SMAW Workforce Training Certificate (p. 225)

## Electrical Foundations Workforce Training Certificate

Program website (<https://frederick.edu/programs/skilled-trades/electrical.aspx>)

**Program Manager:** Chuck LoSchiavo  
**Email:** closchiavo@frederick.edu  
**Phone:** 240.629.7902

## Program Description

This series of courses prepares students for entry level opportunities in the residential electrical industry and covers the material, methods, regulations, and tools required to perform residential structural wiring installation and repair.

### Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
ELC 167	Fundamentals of Structural Wiring	
ELC 168	Residential Electric	
<b>Prerequisites/Co-requisites</b>		
ENGL 70	Introduction to College Reading and Writing	
or ENGL 75	Reading and Writing in the Academic Disciplines	
or ESOL 70		
or ESOL 72		
or ESOL 100	English for Academic Purposes	

## Electrical Advanced Workforce Training Certificate

Program website (<https://frederick.edu/programs/skilled-trades/electrical.aspx>)

**Program Manager:** Chuck LoSchiavo  
**Email:** closchiavo@frederick.edu  
**Phone:** 240.629.7902

## Program Description

This series of courses prepares students for entry level opportunities in the electrical industry and covers the material, methods, regulations, and tools required to perform commercial or residential structural wiring installation and repair. Students are also introduced to data cabling, emergency generators, and solar photovoltaic technology.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
ELC 167	Fundamentals of Structural Wiring	
ELC 168	Residential Electric	
ELC 166	Commercial Electric	
ELC 169	Specialized Systems	
<b>Prerequisites/Co-requisites</b>		
ENGL 70	Introduction to College Reading and Writing	
or ENGL 75	Reading and Writing in the Academic Disciplines	
or ESOL 70		
or ESOL 72		
or ESOL 100	English for Academic Purposes	

## HVAC Foundations Workforce Training Certificate

Program website ([https://frederick.edu/programs/skilled-trades/heating-ventilation-and-air-conditioning-\(hvac\).aspx](https://frederick.edu/programs/skilled-trades/heating-ventilation-and-air-conditioning-(hvac).aspx))

**Program Manager:** Chuck LoSchiavo  
**Email:** closchiavo@frederick.edu  
**Phone:** 240.629.7902

## Program Description

Prepares students for entry level opportunities in the Heating, Ventilation, and Air Conditioning (HVAC) industry. This certificate introduces students to HVAC equipment components and functions, brazing, and electrical control circuits.

### Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
HVC 121	Fundamentals of HVACR	
HVC 126	Controls for HVACR	
<b>Prerequisites/Co-requisites</b>		
ENGL 70	Introduction to College Reading and Writing	
or ENGL 75	Reading and Writing in the Academic Disciplines	
or ESOL 70		
or ESOL 72		
or ESOL 100	English for Academic Purposes	

## HVAC Advanced Workforce Training Certificate

Program website ([https://frederick.edu/programs/skilled-trades/heating-ventilation-and-air-conditioning-\(hvac\).aspx](https://frederick.edu/programs/skilled-trades/heating-ventilation-and-air-conditioning-(hvac).aspx))

**Program Manager:** Chuck LoSchiavo

**Email:** [closchiavo@frederick.edu](mailto:closchiavo@frederick.edu)

**Phone:** 240.629.7902

### Program Description

Prepares students for entry level opportunities in the Heating, Ventilation, and Air Conditioning (HVAC) industry. This certificate covers HVAC equipment components and functions, installation practices, electrical control circuit troubleshooting and repair, and fossil fuel and hydronic heating equipment. Students have the opportunity to earn the EPA 608 Certification (CFC card) during this program.

### Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
HVC 121	Fundamentals of HVACR	
HVC 126	Controls for HVACR	
HVC 127	Fossil Fuels Hydronic Heating	
HVC 128	HVAC Installation Troubleshooting	
<b>Prerequisites/Co-requisites</b>		
ENGL 70	Introduction to College Reading and Writing	
or ENGL 75	Reading and Writing in the Academic Disciplines	
or ESOL 70		
or ESOL 72		
or ESOL 100	English for Academic Purposes	

## Welding Foundations Workforce Training Certificate

Program website (<https://frederick.edu/programs/skilled-trades/welding.aspx>)

**Program Manager:** Chuck LoSchiavo

**Email:** [closchiavo@frederick.edu](mailto:closchiavo@frederick.edu)

**Phone:** 240.629.7902

### Program Description

This series of courses provides students with a broad range of knowledge and skills needed for welding and cutting metal. Topics include basic metallurgy, welding symbols and blueprint reading, and an overview of welding processes.

### Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
WLD 160	Introduction to Welding	
WLD 165	Welding Symbols Blueprint Reading	
<b>Prerequisites/Co-requisites</b>		
ENGL 70	Introduction to College Reading and Writing	
or ENGL 75	Reading and Writing in the Academic Disciplines	
or ESOL 70		

or ESOL 72

or ESOL 100 English for Academic Purposes

## Welding - GMAW Workforce Training Certificate

Program website (<https://frederick.edu/programs/skilled-trades/welding.aspx>)

**Program Manager:** Chuck LoSchiavo

**Email:** [closchiavo@frederick.edu](mailto:closchiavo@frederick.edu)

**Phone:** 240.629.7902

### Program Description

This series of courses provides students with a broad range of knowledge and skills needed for welding and cutting metal, with a focus on Gas Metal Arc Welding (GMAW). Topics include basic metallurgy, filler metal selection, welding symbols and blueprint reading, and setting equipment parameters.

### Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
WLD 160	Introduction to Welding	
WLD 165	Welding Symbols Blueprint Reading	
WLD 171	Advanced Welding: GMAW	
<b>Prerequisites/Co-requisites</b>		
ENGL 70	Introduction to College Reading and Writing	
or ENGL 75	Reading and Writing in the Academic Disciplines	
or ESOL 70		
or ESOL 72		
or ESOL 100	English for Academic Purposes	

## Welding - SMAW Workforce Training Certificate

Program website (<https://frederick.edu/programs/skilled-trades/welding.aspx>)

**Program Manager:** Chuck LoSchiavo

**Email:** [closchiavo@frederick.edu](mailto:closchiavo@frederick.edu)

**Phone:** 240.629.7902

### Program Description

This series of courses provides students with a broad range of knowledge and skills needed for welding and cutting metal, with a focus on Shielded Metal Arc Welding (SMAW). Topics include basic metallurgy, electrode selection, welding symbols and blueprint reading, and setting equipment parameters. Students will have the opportunity to earn a 2G and 3G Structural Steel qualification.

### Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
WLD 160	Introduction to Welding	
WLD 165	Welding Symbols Blueprint Reading	
WLD 161	Advanced Welding: SMAW	
<b>Prerequisites/Co-requisites</b>		
ENGL 70	Introduction to College Reading and Writing	

or ENGL 75	Reading and Writing in the Academic Disciplines
or ESOL 70	
or ESOL 72	
or ESOL 100	English for Academic Purposes

## Healthcare Careers

**Program Manager:** Danielle Stoffer  
**Email:** dstoffer@frederick.edu  
**Phone:** 240.629.7904

- Certified Nursing Assistant Workforce Training Certificate (p. 226)
- Dental Assisting Workforce Training Certificate (p. 226)
- Oral Radiography with Clinical Workforce Training Certificate (p. 226)
- Oral Radiography Workforce Training Certificate (p. 227)
- Medical Billing - AAPC Workforce Training Certificate (p. 227)
- Medical Coding - AAPC Workforce Training Certificate (p. 227)
- Patient Care Technician Workforce Training Certificate (p. 227)
- Phlebotomy Technician Workforce Training Certificate (p. 227)
- Sterile Processing Technician Workforce Training Certificate (p. 228)
- Veterinary Assistant Workforce Training Certificate (p. 228)

## Certified Nursing Assistant Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/certified-nursing-assistant.aspx>)

**Program Manager:** Danielle Stoffer  
**Email:** dstoffer@frederick.edu  
**Phone:** 240.629.7904

### Program Description

This series of courses teaches basic patient care skills, the student's role as a member of the healthcare team, disease processes, and infection control and safety issues. Combined with a clinical experience, this program meets all eligibility requirements for CNA certification in the state of Maryland and prepares students for the Geriatric Nursing Assistant test.

### Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CAH 145	Foundations for Healthcare Careers	
or ADE 625	Bridge to Careers - Healthcare	
CAH 132	Certified Nursing Assistant, Part I	
CAH 133	Certified Nursing Assistant, Part II	
CAH 190	Certified Nursing Assistant-Clinicals	
<b>Prerequisites/Co-requisites</b>		
Prerequisites:		
Floor score of 52 (Classic) or 237 (Next Gen) or 306 Accuplacer ESL score or		
Placement into:		
ENGL 75	Reading and Writing in the Academic Disciplines (or)	
Completion of:		
ESOL 72		
or ESOL 100	English for Academic Purposes	

<b>Co-requisites:</b>	
Current American Heart Association Basic Life Support CPR card or	
SAF 157	CPR: Basic Life Support for the Healthcare Provider (registration for)

## Dental Assisting Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/dental-assisting-dental-radiography.aspx>)

**Program Manager:** Danielle Stoffer  
**Email:** dstoffer@frederick.edu  
**Phone:** 240.629.7904

### Program Description

This series of courses introduces students to all aspects of entry level dental assisting knowledge and skills as well as oral radiography fundamentals and prepares students for the Dental Assisting National Board National Entry Level Dental Assistant Certification Exam.

### Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CAH 145	Foundations for Healthcare Careers	
or ADE 625	Bridge to Careers - Healthcare	
CAH 520	Fundamentals of Dental Assisting	
<b>Prerequisites/Co-requisites</b>		
Prerequisites:		
Floor score of 52 (Classic) or 237 (Next Gen) or 306 Accuplacer ESL score or		
Placement into:		
ENGL 75	Reading and Writing in the Academic Disciplines (or)	
Completion of:		
ESOL 72		
or ESOL 100	English for Academic Purposes	
<b>Co-requisites:</b>		
Current American Heart Association Basic Life Support CPR card or		
SAF 157	CPR: Basic Life Support for the Healthcare Provider (registration for)	

## Oral Radiography with Clinical Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/dental-assisting-dental-radiography.aspx>)

**Program Manager:** Danielle Stoffer  
**Email:** dstoffer@frederick.edu  
**Phone:** 240.629.7904

### Program Description

This course helps further students' dental assisting careers by preparing them to sit for the DANB Radiation Health and Safety exam and is approved by the Maryland State Board of Dental Examiners. Completion of the three-hour, hands-on clinical practicum must be completed at either students' place of employment or at the Maryland State Dental Association.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CAH 521	Oral Radiography with Clinical	
<b>Prerequisites/Co-requisites</b>		
Prerequisite:		
Students must either be working as a dental assistant or have proof of successful completion of a basic dental assisting course.		
Co-requisite:		
Current American Heart Association Basic Life Support CPR card or		
SAF 157	CPR: Basic Life Support for the Healthcare Provider (registration for)	

## Oral Radiography Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/dental-assisting-dental-radiography.aspx>)

**Program Manager:** Danielle Stoffer  
**Email:** [dstoffer@frederick.edu](mailto:dstoffer@frederick.edu)  
**Phone:** 240.629.7904

## Program Description

This course helps further students' dental assisting careers by introducing them to oral radiography fundamentals and prepares them to sit for the DANB Radiation Health and Safety exam. The course is approved by the Maryland State Board of Dental Examiners.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CAH 522	Oral Radiography	
<b>Prerequisites/Co-requisites</b>		
Prerequisite:		
Students must be working as a dental assistant or have proof of successful completion of a basic dental assisting course. Student's dental employer must be willing to oversee clinical requirements at their place of employment.		
Co-requisite:		
Current American Heart Association Basic Life Support CPR card or		
SAF 157	CPR: Basic Life Support for the Healthcare Provider (register for)	

## Medical Billing - AAPC Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/medical-billing.aspx>)

**Program Manager:** Danielle Stoffer  
**Email:** [dstoffer@frederick.edu](mailto:dstoffer@frederick.edu)  
**Phone:** 240.629.7904

## Program Description

This series of courses prepares students for the AAPC Certified Professional Biller (CPB) certification exam. Learn how medical billers maintain all aspects of the revenue cycle, the nuances of payer requirements, and how to maximize provider reimbursement through sound billing practices.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
ONL 401	Medical Terminology: A Word Association Approach	
CAH 251	Medical Billing AAPC Certified Professional Biller	

## Medical Coding - AAPC Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/medical-coding.aspx>)

**Program Manager:** Danielle Stoffer  
**Email:** [dstoffer@frederick.edu](mailto:dstoffer@frederick.edu)  
**Phone:** 240.629.7904

## Program Description

This series of courses prepares students for the AAPC Certified Professional Coder (CPC) certification exam. Learn about medical terminology and how to use the coding manuals for CPT, ICD-10, and HCPCS to describe and document medical services.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
ONL 401	Medical Terminology: A Word Association Approach	
ONL 526	Introduction to Basic Anatomy and Physiology	
CAH 250	Medical Coding for the Physician's Office-AAPC	

## Patient Care Technician Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/patient-care-technician.aspx>)

**Program Manager:** Danielle Stoffer  
**Email:** [dstoffer@frederick.edu](mailto:dstoffer@frederick.edu)  
**Phone:** 240.629.7904

## Program Description

This course teaches Certified Nursing Assistants to perform advanced skills for complex care settings and situations, including sterile technique, phlebotomy, EKG, glucose monitoring, enteral nutrition, respiratory care, IV therapy, advanced wound care, urinary catheterization, pre/post surgical care, and pediatric patient care.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CAH 487	Patient Care Technician/Advanced Patient Care	

## Phlebotomy Technician Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/phlebotomy-technician.aspx>)

**Program Manager:** Danielle Stoffer

**Email:** dstoffer@frederick.edu**Phone:** 240.629.7904

## Program Description

This series of courses teaches students about all aspects related to blood collection and provides comprehensive skills to perform venipunctures completely and safely.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CAH 145 or ADE 625	Foundations for Healthcare Careers Bridge to Careers - Healthcare	
CAH 156	Phlebotomy Technician Preparation I: Theoretical Applications	
CAH 157	Phlebotomy Technician Preparation II: Practical Applications	
CAH 158	Phlebotomy Technician Clinical	
<b>Prerequisites/Co-requisites</b>		
Prerequisites:		
Floor score of 52 (Classic) or 237 (Next Gen) or 306 Accuplacer ESL score or		
Placement into:		
ENGL 75	Reading and Writing in the Academic Disciplines (or)	
Completion of:		
ESOL 72 or ESOL 100	English for Academic Purposes	
Co-requisites:		
Current American Heart Association Basic Life Support CPR card or		
SAF 157	CPR: Basic Life Support for the Healthcare Provider (registration for)	

## Sterile Processing Technician Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/sterile-processing-technician.aspx>)

**Program Manager:** Danielle Stoffer**Email:** dstoffer@frederick.edu**Phone:** 240.629.7904

## Program Description

This series of courses teaches students to become competent sterile processing technicians and prepare for industry certification. Series covers anatomy and physiology, microbiology, instrument identification, handling and preparation, safety standards, cleaning, decontamination and disinfection, infection control, sterile storage and distribution, inventory management, documentations and ethics and standards.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CAH 145 or ADE 625	Foundations for Healthcare Careers Bridge to Careers - Healthcare	
CAH 333	Sterile Processing Technician Training: Fundamentals	
<b>Prerequisites/Co-requisites</b>		
Prerequisites:		
Floor score of 52 (Classic) or 237 (Next Gen) or 306 Accuplacer ESL score or		
Placement into:		
ENGL 75	Reading and Writing in the Academic Disciplines (or)	

Completion of:	
ESOL 72	
or ESOL 100	English for Academic Purposes
Co-requisites:	
Current American Heart Association Basic Life Support CPR card or	
SAF 157	CPR: Basic Life Support for the Healthcare Provider (registration for)

## Veterinary Assistant Workforce Training Certificate

Program website (<https://www.frederick.edu/programs/healthcare/veterinary-assistant.aspx>)

**Program Manager:** Danielle Stoffer**Email:** dstoffer@frederick.edu**Phone:** 240.629.7904

## Program Description

This series of courses introduces students to veterinary office and hospital administrative procedures, communication and client relations, pharmacology, inventory control, vaccinations, examination room procedures, proper restraint techniques, dental care, nutrition, animal first aid, and exam room grooming.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
CAH 145 or ADE 625	Foundations for Healthcare Careers Bridge to Careers - Healthcare	
VET 130	Veterinary Assistant 1	
VET 131	Veterinary Assistant 2	
<b>Prerequisites/Co-requisites</b>		
A score of >64 on the elementary algebra math assessment and		
Placement into one of the following:		
ENGL 75	Reading and Writing in the Academic Disciplines	
ESOL 100	English for Academic Purposes	
ESOL 72 - Academic Reading II		

# WORKFORCE TRAINING CERTIFICATE COURSE DESCRIPTIONS

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## A

- Adult ESL (ADE) (p. 229)
- Allied Health Professional Courses (CAH) (p. 229)

## E

- Electrical Technology (ELC) (p. 230)

## H

- HVAC Technology (HVC) (p. 230)

## O

- Online Courses (ONL) (p. 231)

## R

- Real Estate (REA) (p. 231)

## V

- Veterinary Assistant (VET) (p. 231)

## W

- Welding Technology (WLD) (p. 231)

## Adult ESL (ADE)

### ADE 625 - Bridge to Careers - Healthcare

This course introduces ESL students to important healthcare concepts and professional career development skills to prepare students for working in a healthcare setting. Students are introduced to medical terminology in English, the current healthcare system structure and essential concepts such as HIPAA, documentation and medical records, patient rights, cultural competency, workplace professionalism, healthcare ethics and legal responsibilities, environmental safety, infection control and medical terminology. Communication skills are practiced with special focus on customer service, interpersonal communication concepts, and English language development. Students will also gain professional development skills in successful resume and application writing, interviewing, and gaining and maintaining employment.

## Allied Health Professional Courses (CAH)

### CAH 132 - Certified Nursing Assistant, Part 1

This course was developed for students to learn basic patient care skills, the role as a member of the healthcare team, disease processes, infection control and safety issues. Combined with the clinicals, this course meets all requirements to be eligible for CNA certification in the state of Maryland and prepares students for the Geriatric Nursing Assistant test. The program requires study time outside of class and includes tests, which must be passed prior to starting the clinical sessions.

### CAH 133 - Certified Nursing Assistant, Part II

Part two of a three-part certification prep course for individuals wishing to enter the health care field as a Certified Nursing Assistant.

### CAH 145 - Foundations for Healthcare Careers

This course introduces students to important healthcare concepts and professional career development skills to prepare students for working in a healthcare setting. Students are introduced to medical terminology, the current healthcare system structure and essential concepts such as HIPAA, documentation and medical records, patient rights, cultural competency, workplace professionalism, healthcare ethics and legal responsibilities, environmental safety, infection control and medical terminology. Communication skills are practiced with special focus on customer service and interpersonal communication concepts. Students will also gain professional development skills in successful resume and application writing, interviewing, and gaining and maintaining employment.

### CAH 156 - Phlebotomy Technician Preparation I: Theoretical Applications

In Phlebotomy Technician Preparation I, Theoretical Applications, students learn basic phlebotomy technical background and professional preparation for working as a phlebotomist. Topics covered include basic anatomy and physiology of main body systems with emphasis on cardiovascular and lymphatic systems; medical terminology and overview of healthcare settings where phlebotomy services are performed; professional ethics and behavior, interpersonal and written communications, including cultural competency; systems of documentation; and safety and infection control. Students will develop knowledge and comprehensive skills to prepare them to perform venipunctures completely and safely when they progress to Part 2: Practical Applications. The full program includes classroom and on-site clinical practice with experienced phlebotomists at local health care. The program also prepares students to take several national certification exams.

### CAH 158 - Phlebotomy Technician Clinical

This course provides students hands on work experience and practice to successfully perform the role and responsibilities of a phlebotomist technician in a professional setting. Students complete 100 hours and a minimum of 100 successful venipunctures under the supervision of an experienced phlebotomist. Student progress is evaluated during each clinical shift.

### CAH 190 - Certified Nursing Assistant--Clinicals

This course fulfills the Maryland Board of Nursing requirements for a certified nursing assistant clinical experience. Students participate in supervised clinical rotations with experienced nursing faculty in local health care facilities. Students will interact with residents performing all duties and responsibilities of a nursing assistant with daily evaluation and feedback provided to support student development and improvement.

### CAH 250 - Medical Coding for the Physician's Office-AAPC

Prepare for the American Academy of Professional Coders (AAPC) national certification exam. Learn medical terminology and how to use the coding manuals for CPT, ICD-10 and HCPCS to describe and document medical services. Cost includes first year's membership in AAPC, textbooks and certification exam. The certification exam will be scheduled 2 weeks following the last class

**CAH 251 - Medical Billing AAPC Certified Professional Biller**

Prepare for the AAPC Certified Professional Biller (CPB) certification exam. Students will learn how medical billers with maintain all aspects of the revenue cycle, the nuances of payer requirements, and how to maximize healthcare provider reimbursement through sound billing practices.

**CAH 333 - Sterile Processing Technician Training: Fundamentals**

This course trains individuals to become competent sterile processing technicians and prepares participants for sterile processing technician certification. Upon completion of training, students are prepared to take the Certified Registered Central Service Technician (CRCST) certification exam offered by the International Association of Healthcare Central Service Materiel Management (IAHCSMM). The course will cover the following topics: anatomy and physiology, microbiology, instrumentation (identification of and handling of), safety standards, cleaning, decontamination, disinfection, preparation, infection control, sterilization process, packaging, wrapping, processing patient care equipment, sterile storage, distribution and inventory management, documentation and record management, ethics and standards. This course has both a lecture and interactive lab component in the classroom where students will receive hands-on experience with instruments and wrapping techniques.

**CAH 487 - Patient Care Technician/Advanced Patient Care**

This course is designed for certified nursing assistants (CNAs) to learn more advanced care skills within the CNA scope of practice or work as a Patient Care Technician in hospitals and other health care settings. Patient care technicians are part of a multidisciplinary team, caring for patients who require both acute and chronic care. Students will learn to perform advanced skills for complex care settings and situations. Practiced skills include sterile technique, phlebotomy, Electrocardiograms (EKG), glucose monitoring, enteral nutrition, respiratory care, Intravenous therapy, advanced wound care, urinary catheterization, pre/post-surgical care and pediatric patient care. Students successfully completing this course fulfill the PCT educational requirements for the National Healthcareer Association Patient Care Technician Certification Exam.

**CAH 520 - Fundamentals of Dental Assisting**

This course introduces students to all aspects of entry-level dental assisting knowledge and skills and prepares students for the Dental Association National Board National Entry Level Dental Assistant (NELDA) Certification Exam. Topics include: dental terminology, roles of the dental assistant and dental team, legal and ethical responsibilities, anatomy and physiology, dental care delivery including oral health and hygiene, prevention, clinical dentistry, chairside assisting, charting, instruments and accessories, dental lab materials and procedures, infection control, sterilization and OSHA regulations. Oral radiography is introduced in preparation for Oral Radiography class. This hands-on course provides practice on equipment in a dental lab setting.

**CAH 521 - Oral Radiography with Clinical**

*Prerequisite: This course requires knowledge of basic dental assisting. You must be enrolled in a dental assisting course, or show proof of successful completion of a basic dental assisting course or be working as a dental assistant to enroll.*

Further your dental assisting career and prepare to sit for the DANB Radiation Health and Safety exam. This course is approved by the Maryland State Board of Dental Examiners. Completion of a three-hour, hands-on clinical practicum is required. You may complete your clinical at your place of employment or at the Maryland State Dental Association (see details below). Course includes an online component; internet access required. Register for this section if you will be completing your clinical requirements at the Maryland State Dental Association. Clinical session scheduled individually at a date/time mutually convenient to student and instructor.

**CAH 522 - Oral Radiography**

Further your dental assisting career and prepare to sit for the DANB Radiation Health and Safety exam. This course is approved by the Maryland State Board of Dental Examiners. Completion of a three-hour, hands-on clinical practicum is required. You may complete your clinical at your place of employment or at the Maryland State Dental Association.

## Electrical Technology (ELC)

**ELC 166 - Commercial Electric**

Continues concepts and skills covered in the first two courses of the electrical building trades program. This course covers wiring methods mainly used in commercial construction. Topics covered to include: conduit (bending, installation), commercial lighting (fluorescent, HID), and transformers. Students will also have an overview of the applicable sections of the National Electrical Code (NEC), including box/conduit fill, and load calculations.

**ELC 167 - Fundamentals of Structural Wiring**

Covers basic principles and fundamentals of electricity and electrical work. Course will include components of schematics and blueprints, importance and role of the National Electrical Code, and safety. Students will receive hands-on experience with tools of the trade, wiring, and installing components of accessory terminations.

**ELC 168 - Residential Electric**

This course will advance student knowledge in the National Electric Code (NEC) and its application. Topics covered will include NEC calculations; as well as print reading, circuitry, schematics, materials, and circuit testing. Hands-on applications will be conducted in a lab setting.

**ELC 169 - Specialized Systems**

Covers topics in the electrical field such as CAT5, CAT6, CATV, fiber optics, fire alarms, photovoltaic, and electric controls. Students will receive hands on experience working with materials and components in a lab setting. Students will also be introduced to the National Electrical Code (NEC) codes governing these various sub-fields of the electrical industry.

## HVAC Technology (HVC)

**HVC 121 - Fundamentals of HVACR**

This course will cover the fundamentals of heating, cooling, ventilation, humidity control and basic refrigeration. Course includes EPA CFC certification. Students will receive hands on experience in a lab setting. First in a four course series. Upon successful completion of all four courses students will receive a Continuing Education Certification of Completion.

**HVC 126 - Controls for HVACR**

Covers the topics of controls in HVACR with respect to thermostats; pressure, safety and temperature devices; and valves. In a lab environment students will be able to identify and apply usage of these components.

**HVC 127 - Fossil Fuels & Hydronic Heating**

Covers fossil fuel heating devices, hydronic and forced air equipment. Students will apply troubleshooting, installation, service, and preventative maintenance techniques on these systems in a lab setting.

**HVC 128 - HVAC Installation & Troubleshooting**

Teaches students basics of troubleshooting, installation, service and preventative maintenance techniques HVAC equipment. Course includes EPA CFC certification. Hands-on experience will be conducted in a lab setting where students will demonstrate and apply these techniques.

## Online Courses (ONL)

**ONL 401 - Medical Terminology: A Word Association Approach**

This course teaches medical terminology from an anatomical approach. Root terms are divided by each body system. The origin, a combined form, and an example of non-medical everyday usage is provided for each root term. Word Associations are provided as a learning tool. Unusual and interesting information is provided in regards to each term. Root terms are combined with prefixes and suffixes as your learning will culminate in the interpretation of several paragraphs of medical notes.

**ONL 526 - Introduction to Basic Anatomy and Physiology**

This course is designed to provide an overview of basic anatomy and physiology to students preparing for the medical coding AAPC certification class. The course begins with an explanation of the nature of matter and principles of chemistry, cell anatomy and physiology and principles of genetics. The anatomy and physiology of the 11 organ systems and their structure and functions are introduced. Lessons include information about specific disorders and conditions and recent advances in medicine.

## Real Estate (REA)

**REA 203 - Principles and Practices of Real Estate In Maryland**

This course prepares students to take the Maryland Real Estate Licensing Examination. Students that attend all of the classes and receive a 70% or better on the final examination will receive a certificate that enables them take the state examination.

## Veterinary Assistant (VET)

**VET 130 - Veterinary Assistant 1**

In part 1 of the veterinary assistant course series students will be introduced to veterinary office and hospital administrative procedures, communication and client relations. Students also learn Veterinary Pharmacy and Pharmacology, including filling medications, inventory control and vaccinations and Examination room procedures including small animal restraint, and basic clinical procedures to include, medical history documentation, vital signs recording, exam room grooming, dog and cat breed and gender recognition, basic nutritional requirements and topical medication application.

**VET 131 - Veterinary Assistant 2**

In part 2 of the veterinary assistant course series students will be introduced to small animal nursing safety and care procedures, surgical preparation and assisting, veterinary laboratory procedures and radiology and ultrasound imaging processes. Students learn about quality nursing techniques and practices, the surgical process, from instrument identification and preparation, anesthesia, pre/post op care, and emergency and critical care. Students are introduced to Laboratory procedures include blood, urine and fecal sample collection and testing procedures and technique. Students review the vet assistant's role in imaging procedures, imaging safety, quality control, and equipment and image care and maintenance.

## Welding Technology (WLD)

**WLD 161 - Advanced Welding: SMAW**

Introduces more advanced welding topics and projects in Oxy-Acetylene cutting, cutting, and Shielded Metal Arc Welding (SMAW). Students will develop skills to weld v-groove, butt joints in the flat, horizontal, vertical up and overhead positions, with root and face U-bend test being performed on the welds made in the vertical position. Students will prepare for and test in the SMAW Qualification and Certification (Hobart #37), American Welding Society D1.1 test, and Structural Steel 3-G and 4-G tests.

**WLD 165 - Welding Symbols & Blueprint Reading**

Introduces students to interpret various types of prints used in the welding industry. Topics include: print reading, measurements, metallurgy, types of welds and joints, and welding symbols.

**WLD 171 - Advanced Welding: GMAW**

Focuses on Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and oxyfuel cutting on carbon steel. Students will develop skills to weld groove welds in multiple positions. Students will perform GMAW and FCAW welder performance qualification tests on limited thickness test plates on carbon steel in accordance with American Welding Society D1.1 structural Welding Code.

# ACADEMIC REGULATIONS

Check the college website, frederick.edu (<https://www.frederick.edu/current-students/required-communications/student-policies-procedures.aspx>), for the most up-to-date student policies and procedures.

## Academic Standards Policy and Procedures

### I. Philosophy and Scope

Frederick Community College ("FCC" or the "College"), with teaching and learning as its primary focus, strives to promote academic excellence in preparing an increasingly diverse student body to complete their goals of workforce preparation, transfer, career development, and personal enrichment with quality, innovative lifelong learning. In support of this mission, the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development (Chief Academic Officer) leads the College community in implementing the educational goals of the institution, and developing and upholding the academic standards and procedures of the institution to ensure academic excellence in instruction through the awarding of credit to our student body.

The College will establish academic standards in accordance with, but not limited to, the Code of Maryland Regulations (COMAR), the Maryland Higher Education Commission (MHEC), the Middle States Commission on Higher Education (MSCHE), and other state and federal statutes or regulations.

### II. Definitions for the Purpose of this Policy and Procedures

- A. **"Academic Catalog"** refers to an annual publication that serves as the official record of the requirements for admissions, registration, policies/procedures, and program content.
- B. **"Academic credit"** refers to the certification of a student's successful completion of a unit of a course of study. Academic credit does not include credit associated with developmental education.
- C. **"Add/Drop"** refers to the process used prior to and at the beginning of the term when students need to alter (ex: add or remove a course) their schedules after they have initially registered.
- D. **"Audit"** refers to an enrollment option chosen by the student in which they may attend the class and participation must align with the course syllabus. No grade or college credit is earned. A final grade designation of "AU" will appear on the student's academic transcript next to audited courses. AU grades may not be changed to letter grades (A, B, C, D, F, P, S) after an AU grade has been posted. Students must visit Registration and Records to change their grading status to audit by the last day to withdraw for the session.
- E. **"Academic Clemency"** refers to the ability of returning students to expunge prior unsatisfactory academic performance (D-F grades only) from their transcript. Academic Clemency may only be approved one (1) time per student per academic career.
- F. **"Advanced Placement (AP)"** refers to a program created by the College Board, which offers college-level curricula and examinations to high school students in the United States and Canada. FCC grants college credit to students who obtain high scores on selected AP examinations. Accepted AP exams and required scores are listed in the Academic Catalog. Official score reports must be submitted to Registration and Records for review or awarding transfer credits.
- G. **"Articulation Agreement"** refers to officially approved agreements that allow students to apply credits they have earned in specific programs toward advanced standing, entry, or transfer into a specific program at another institution. These agreements outline the specific courses that count for transfer credit at the other institution, as well as the grades a student must earn in order to receive these credits. Students may also earn credit for prior learning and experience to be used toward degree completion at FCC. Students should start with their Program Manager to determine if there are approved agreements available in their program of study.
- H. **"Associate of Applied Science (A.A.S)"** refers to programs designed for immediate employment and career advancement within a particular area of study. Some A.A.S. degrees transfer to career baccalaureate programs.
  - I. **"Associate of Arts (A.A.)"** refers to a program of study with a concentration in arts and humanities which parallels the first two (2) years of study toward a bachelor's degree and is designed to transfer to four-year colleges and universities, or may be used as a stand-alone degree for employment.
  - J. **"Associate of Arts in Teaching (A.A.T.)"** refers to a program of study that provides the first two (2) years of courses and related qualifications needed to meet the entrance requirements to colleges of education in the state of Maryland.
  - K. **"Associate of Science (A.S.)"** refers to a program of study with a concentration in science, technology, engineering, or math which parallels the first two (2) years of study toward a bachelor's degree and is designed to transfer to four-year colleges and universities, or may be used as a stand-alone degree for employment.
  - L. **"Block of Classes"** refers to the group of courses that is being awarded in transfer toward the degree requirements of the student's declared major.
- M. The **"Catalog Year"** begins with the summer term and continues through the spring semester. Student program requirements are based on the Catalog Year in effect at the time they are admitted to FCC and students must follow the requirements outlined in this catalog unless they:
  1. have been readmitted;
  2. request a change in major or program of study, current or previous, not more than five (5) years old; or
  3. request an assignment to a current Catalog Year. <http://www.frederick.edu/class-schedules/catalogs.aspx>
- N. **"Certificate"** refers to a program of study at the freshman or sophomore level requiring a minimum of twelve (12) credits in a prescribed curriculum approved by the College. Courses required in certificate programs may be applied to the degree program in that area of study.
- O. **"Certification"** refers to a credential granted by an external entity confirming that an individual has specific skills in a certain area. FCC offers programs and/or courses that prepare students for certifications, but FCC does not directly grant these certifications.
- P. **"Class"** refers to a specific section of a course in which a student may enroll that has a beginning and ending date, a syllabus, and participation expectations.
- Q. **"College Level Examination Program (CLEP)"** refers to a group of standardized tests offered by the College Board which assesses college-level knowledge in several subjects and offers students the opportunity to receive credit for certain coursework after

- demonstrating their proficiency. A full listing of CLEP exams and the required scores to earn credit at FCC are listed in the Academic Catalog. Official score reports must be submitted to Registration and Records in order for credit to be awarded.
- R. **“Commencement”** refers to the ceremony each May which celebrates the conferring of the degrees and certificates awarded that academic year. Students completing degree and graduation requirements within the previous year may participate in the May Commencement Ceremony.
- S. **“Continuously Enrolled”** refers to the requirement that a student be enrolled continuously with breaks no longer than four (4) consecutive full academic semesters (fall or spring semesters).
- T. **“Course”** refers to a unit of study identified in the College catalog that is defined by a specific title, course number, and description, and for which credit may or may not be awarded.
- U. **“Credit Hour”** refers to a unit of measure applied toward the total number of hours needed for completing the requirements of a degree, certificate, or other formal award, which represents:
1. A minimum of 15 hours (50 minutes each) of lecture, seminar, or discussion class time;
  2. A minimum of 30 hours (50 minutes each) of supervised laboratory or studio time;
  3. A minimum of 45 hours (50 minutes each) of instructional situations such as practica, internships, and cooperative educational placements;
  4. A minimum of 37.5 hours of instruction per credit delivered online or by other electronic media. This may include a combination of telesessions, classroom instruction, student consultation with instructors, and readings, when supervision is ensured and learning is documented.
- V. **“DSST (Defense Standardized Subject Tests) formerly DANTES (Defense Activity for Non-Traditional Education Support)”** refers to a national credit-by examination program providing students the opportunity to receive credit for college-level achievement. Official score reports must be submitted to Registration and Records in order for credit to be awarded.
- W. **“Departmental Exam”** refers to a comprehensive departmental examination which allows students to earn credit by examination in subject areas where no CLEP exam is available. Students pay an assessment fee for the exam to be scored prior to taking the exam. Upon successful completion of the departmental exam, credit is awarded.
- X. **“General Education CORE Requirements”** refers to core courses that are required for all students in order to earn a college degree. Based on program, there are specific general education CORE requirements.
- Y. **“Grade Point Average (GPA)”** refers to a numerical measurement of a student’s overall academic achievement which is calculated by multiplying the number value of the grade (or quality points) by the number of semester hours attempted, and then dividing the number of quality points by the number of credits attempted.
- Z. **“Graduation”** refers to the receiving or conferring of an academic degree or certificate. Degrees and certificates are conferred three (3) times per year.
- AA. **“Graduation Application”** refers to the formal application process for all students planning to receive a certificate, degree, or Letter of Recognition. Students must complete and submit a graduation application by the designated deadlines published by the College.
- BB. **“International Baccalaureate (IB)”** refers to an international educational foundation providing education to primary, middle and high school students. Award of credit by FCC for IB participation is not automatic. Students must have official candidate score results sent to Registration and Records for evaluation.
- CC. **“Letter(s) of Recognition”** refers to a program of study available in selected career programs and requiring fewer, more specialized courses than a Certificate. These specialized courses may not be substituted, and students must submit a graduation application in order to be awarded a Letter of Recognition.
- DD. **“Major”** refers to a student’s chosen field of study, which requires the successful completion of a specified number of credit hours and coursework requirements as defined in the Academic Catalog.
- EE. **“Online course”** refers to a course taught entirely online. Instructor-student communication is facilitated by electronic technologies. Online classes require one (1) proctored exam with student picture ID. Not all FCC courses are offered online.
- FF. **“Placement tests”** refers to a series of computer-based assessments that measure the reading, writing, and math skills needed for college-level coursework. Placement test scores help to determine what courses are appropriate for students.
- GG. **“Portfolio Assessment”** refers to a process that enables students to effectively document prior learning acquired through employment, training, self-study, volunteer work, civic activities, etc. Students must demonstrate that they have acquired college-level skills directly related to the core learning outcomes of their program of study.
- HH. **“Program”** refers to a structured and coherent course of study with clearly defined objectives and intended student learning outcomes, requiring the completion of a specified number of course credits from among a prescribed group of courses, which leads to the award of a certificate or degree. All programs must be approved by MHEC.
- II. **“Quality Points”** refers to the numerical designation assigned to each grade. Quality points are used to generate a grade point average (GPA).
- JJ. **“Reverse Transfer”** refers to when students who attended FCC and transferred to another institution prior to earning an associate degree may transfer credits earned back to FCC in order to complete an associate degree.
- KK. **“Satisfactory Academic Progress”** refers to the Federal Financial Aid Requirement that students are making progress in their academic pursuit. Progress is measured by GPA and rate of completion of courses. FCC measures and tracks academic progress, as well as Satisfactory Academic Progress for students receiving Federal Financial Aid.
- LL. **“Student”** refers to an individual who is registered at the College, either full or part-time, in a credit or continuing education class or classes who has either paid or made arrangement for payment of tuition and/or fees.
- MM. **“Transcript”** refers to a student’s academic record.
- NN. **“Transfer Credit”** refers to coursework completed at another college or university, provided that the other institution is accredited or recognized by the U.S. Department of Education, for which FCC awards credit. Transfer credit is also awarded through other FCC approved non-college programs, education, and training.
- OO. **“Withdrawal Period”** refers to the period of time in which students can withdraw from a course which occurs after the Add/Drop period and concludes on a specific date as published in the schedule of classes. When a student withdraws from a course, a designation of “W” will appear on his/her academic transcript.

### III. Responsible Senior Leader and Responsible Office

Provost/Executive Vice President of Academic Affairs, Continuing Education, and Workforce Development  
Office of the Provost

### IV. Entities Affected by this Policy and Procedures

Students, prospective students, faculty, staff and administrators

### V. Procedures

#### A. Awarding of Credit

FCC believes that learning is a lifelong process and knowledge is acquired in many different ways. FCC awards credits for coursework completed at accredited colleges and universities as recognized by the U. S. Department of Education. In addition to the traditional classroom setting, FCC recognizes that mastery of college-level knowledge and skills may occur as a result of non-credit training and non-traditional learning experiences such as employment, military training and experience, non-collegiate training programs, and advanced high school courses. Students who have earned an associate degree or higher from an accredited and U.S. Department of Education approved college or university may be deemed to have met the general education core in their new program of study. This provision does not relieve students of the obligation to complete specific academic program requirements or course prerequisites.

##### 1. Transfer Credits

- a. No more than forty-five (45) credits (or 75% of the total credits needed in program plan) in transfer may be awarded toward an Associate Degree through any combination of items listed in Section III. Academic Standards, A. Awarding of Credit. If the previous institution was under the quarter system, credits must be converted to semester hours; quarter hours are multiplied by two-thirds (2/3) to equal semester credit hours. If a previous institution operated in clock hours, FCC divides the total number of clock hours by 37.5 (37.5 clock hours = 1 semester hour credit).
- b. Transfer credit awarded is based on the major a student has declared. Not all credits may be accepted depending on the student's declared major. If a student changes his/her major after the transfer evaluation, the student may request that his/her transfer record be reevaluated.
- c. Credits, not grades, are transferred into the College; therefore, grades from transfer courses are not calculated into the GPA at the College. Students submitting a grade of Pass from another institution must show that the equivalent of a grade of "C" or better was attained to have transfer credit awarded. Spring 2020 exception due to global pandemic, grades of P (Pass) equivalent to a D or higher accepted.

##### 2. College and University Credit

Credits may be granted for coursework completed at accredited colleges and universities as recognized by the U.S. Department of Education. Students must have submitted an admissions application to the College, declare a program of study, and send official transcripts from previously attended institutions to have credits evaluated.

The College follows the MHEC General Education and Transfer Policies. In general, courses will be evaluated to determine equivalency to FCC courses. Courses not equivalent to FCC coursework may be transferred as elective credit assuming that the student's chosen major allows for elective credit. If a course has no FCC equivalency but is a General Education course at the sending institution, FCC will honor the General Education status

and apply to the major's requirements where applicable. Credits will be awarded based on the following standards:

#### a. University System of Maryland College & University Credit

– For students transferring from any University System of Maryland (USM) college, all applicable general education coursework with a grade of "D" or above will be accepted in transfer. For non-general education coursework from a USM college, grades of "D" will be accepted only if the calculated GPA for the block of non-general education transfer courses is 2.000 or higher. Grades of "D," however, will not be accepted for any course within a program of study that requires a grade of "C" or higher. A grade of "D" can be used to fulfill a prerequisite unless the prerequisite requires a grade of "C" or higher.

#### b. Non-University System of Maryland Colleges

– For students transferring from outside of the University System of Maryland, grades of "D" will be accepted only if the cumulative grade point average from that institution is 2.000 or higher. Further GPA calculation is completed for non-General Education coursework; grades of "D" will be accepted only if the block of non-general education transfer courses is 2.000 or higher. Grades of "D," however, will not be accepted for any course within a program of study that requires a "C" or higher. A grade of "D" can be used to fulfill a prerequisite unless the prerequisite requires a grade of "C" or higher.

#### c. International College and University Credit

– Credit may be granted for coursework completed at foreign colleges and universities based upon evaluation by credentialing services. The College recommends the use of WES (World Education Services) for credentialing but does accept evaluations from other credentialing services provided that the credentialing service is a member of the National Association of Credentialing Evaluation Services (NACES). In addition, the College will accept evaluations from the American Association of Collegiate Registrars and Admissions Officer's (AACRAO). The only exception to this is for students earning the CPA Exam Qualification Certificates. For this program, The College will only accept transcript evaluation from NASBA (National Association of State Boards of Accountancy), as the CPA exam requires applicants to provide evaluations done by NASBA only.

#### 3. Non-collegiate Programs

Credit may be granted for educational programs which apply to the student's FCC program of study successfully completed at non-collegiate organizations. The College uses A Guide to Education Programs in Non-Collegiate Organizations, compiled by the Commission of Education Credit of the American Council on Education (ACE) or the National College Credit Recommendation Service (formerly PONSI) as guidelines in awarding such credits. Other options to document prior learning may be available as described below. Official transcripts or supporting documentation for such credits must be submitted to Registration and Records. No more than forty-five (45) credits may be earned through non-collegiate training and/or other types of prior learning

#### 4. Military Education and Training

Credits may be granted for a variety of formal military and educational programs. Training reflected on a Joint Services Transcript (JST) must be described with credit recommendations in the ACE Guide to the Evaluation of Educational Experience in the Armed Services. Copies of the official Community College of the Air Force transcripts, JST, and/or the DD214 must be

submitted to Registration and Records. No more than forty-five (45) credits may be earned through non-collegiate training and/or other types of prior learning.

#### 5. National Examinations

Credit by examination is evaluated based upon the major chosen by the student on the admissions application. Only credits that are applicable to that major will be awarded in transfer. Therefore, if a student changes his/her major while attending FCC, they must request a re-evaluation based upon the new major. Credits awarded through national examination are posted at the top of the official FCC transcripts under the heading "Transfer Credits." No more than forty-five (45) credits may be earned through non-collegiate training and/or other types of prior learning. Lists of approved exams, scores required, and FCC credit awards are listed in the Academic Catalog. Those planning to transfer need to consult with potential transfer institutions regarding each institution's policy on required scores and credits awarded. The national examination programs for which the College awards credit are:

##### a. Advanced Placement (AP) Exams

AP exams are subject matter examinations sponsored by the Educational Testing Services (ETS) and generally administered through high schools at the culmination of AP course offerings. The program provides an opportunity for high school students to receive advanced standing credit in college for college-level courses completed in high schools. Applicants for admission who have taken AP examinations should have an official scores report sent to Registration and Records for evaluation and awarding of credit.

The awarding of AP credit is evaluated annually by the College.

##### b. International Baccalaureate (IB) Exams

IB exams are subject-matter examinations administered in high school international baccalaureate programs. The College will evaluate International Baccalaureate (IB) subject examinations with scores of 5, 6, or 7. Students must have official results sent to Registration and Records. Students may be awarded up to thirty (30) credits toward the associate degree. In order to receive credit for ENGL 101 English Composition, the student must have completed the IB diploma at his/her high school.

##### c. Cambridge Credit

The Cambridge Advanced International Certificate of Education (AICE) Diploma is an international curriculum and examination system that emphasizes the value of broad and balanced study. FCC welcomes students with Cambridge International A Levels. Credit may be awarded on a case-by-case basis. Send official transcripts to Registration and Records for review.

##### d. College-Level Examination Program (CLEP)

CLEP are national credit-by-examination programs providing individuals the opportunity to earn credit for college-level achievement acquired in a wide variety of ways. Examinations are available in many different disciplines and are evaluated annually by the College to determine equivalencies. Official score reports should be sent to Registration and Records for evaluation. FCC also administers CLEP examinations to current and prospective students by appointment in the FCC Testing Center. Additional information can be obtained by contacting the FCC Testing Center.

##### e. DSST formerly DANTES Subject Standardized Tests

DSST are national credit-by-examination programs providing individuals the opportunity to earn credit for college-level achievement acquired in a wide variety of ways. Examinations are available in many different disciplines and are evaluated annually by the College to determine equivalencies. Official score reports should be sent to Registration and Records for evaluation.

FCC also administers DSST examinations to current and prospective students by appointment in the FCC Testing Center. Additional information can be obtained by contacting the FCC Testing Center.

#### 6. Departmental Examination

If a CLEP or DSST exam is not available for a subject in which a student is knowledgeable or skilled, the student may contact the Department Chair or Program Manager overseeing the equivalent course at FCC for permission to receive credit for the course by examination. Courses for which an examination is not appropriate (laboratory, experiential, or interactive courses) are excluded. A departmental examination may be taken only once. Students pay an assessment fee before taking the exam. Students who pass a departmental examination with a grade of "C" or better, will earn the stipulated number of credits for the course. A transcript will show credit for the specific courses that were taken on a credit-by-examination basis; however, no grade will be recorded. No more than fifteen (15) credits total may be earned through departmental examinations. Contact the Prior Learning Coordinator for more information.

#### 7. Credit through Credential Assessment

Credits through credential assessment may be awarded for national and/or state certification or licensure. To earn credit through this option, the student must contact the program manager for that area. Credentials must be current and demonstrate that the student is in good standing with the certification and/or licensing agency. No more than forty-five (45) credits may be earned through non-collegiate training and/or other types of prior learning.

#### 8. High School Articulation Credit

FCC may develop articulation agreements with secondary school systems to award college credit for selected secondary coursework. To receive credit for these courses, students may be required to earn a specific grade and/or provide evidence of other supporting materials as stipulated in the agreement. No more than forty-five (45) credits may be earned through non-collegiate training and/or other types of prior learning. Articulation agreements are reviewed and updated annually by the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development. To request articulated high school credit, students must initiate the request for credit within two (2) years of his/her graduation from high school. Students must be degree or certificate seeking at FCC, enrolled in an academic FCC class after high school graduation, and submit an official high school transcript documenting the date of high school graduation and the stipulated grade in the articulated course and any other required supporting materials to Registration and Records.

#### 9. Portfolio Assessment

The portfolio development process provides students an opportunity to document college-level knowledge acquired from work, independent reading, training programs, volunteer activities, and other life experiences. The portfolio documents student-generated evidence of learning that satisfies an FCC

degree requirement. Students pay an assessment fee for the portfolio to be reviewed by faculty or staff trained in prior learning assessment. No more than thirty (30) credits total may be earned through portfolio assessment. Students must enroll in Prior Learning Assessment Course (PLAC 101) and pay an assessment fee for the portfolio to be reviewed. Upon successful completion of the portfolio review, credit may be awarded.

#### 10. Reverse Transfer

Through reverse transfer, students who attended FCC and transferred to another institution prior to earning an associate degree may transfer credits earned back to FCC in order to complete an associate degree. To be eligible for reverse transfer, students must have completed a minimum of fifteen (15) credits at FCC and have a cumulative 2.000 GPA. For reverse transfer consideration, students must submit an official transcript from the institution attended, as well as an FCC graduation application.

### B. Registration Procedures

#### 1. Registration

Students may register for classes beginning the day registration opens until the last day to add.

- Students wishing to register for a full class must meet with an assigned academic advisor within Learning Support to discuss options available to the student.
- Students who wish to enroll in a class after the last day to add may do so with permission from the instructor. Approval may only be granted for a late addition up until the 20% date of the session (the date at which 20% of the class has taken place). These dates are available from Registration and Records.
- Students wishing to register for an online course that is full prior to its start date, or after the second day of class, must contact Online Learning and Instructional Innovation.

#### 2. Veterans and Military Priority Registration

Veterans and military members may be eligible for priority registration. If students miss the priority registration date, students are still able to register past that date.

- Those eligible for priority registration include:
  - Active duty, Reservists, and National Guard members; and
  - Veterans who have received an honorable discharge or a certificate of satisfactory completion of military service (eligibility applies only within 15 years after last active duty date).
- To participate in priority registration students must provide documentation of their service.
  - Active duty, Reservists, and National Guard students may provide a copy of their military ID or a copy of their current orders.
  - Veterans may provide a copy of their DD214 showing an honorable discharge or a certificate of satisfactory completion.

### C. Classification of Students

A course load of twelve (12) credit hours in the fall and spring semesters constitutes full-time status at FCC. Full-time status in the summer session consists of the sum of at least twelve (12) semester hours of credit taken in any combination of the various summer terms. Most curricula, however, require students to complete more than twelve (12) hours each semester in order to graduate in two years; students are encouraged to enroll in fifteen (15) credits per semester. Students wishing to carry more than eighteen (18) credit hours in the fall or spring must receive approval from an assigned

academic advisor within Learning Support. Students carrying more than twelve (12) credit hours in the summer session are required to obtain their advisor's approval. Jan Session students are limited to five (5) credit hours. Students who register for more than 5 credit hours in the Jan 3 week and/or 5 week sessions with a maximum of 8 credits between the two, may be dropped from a course due to overload. The assigned academic advisor may approve a course load over 8 credits. Audited courses do not count toward status.

### D. Change of Schedule

Students who wish to add or drop from a course(s) may do so during the defined change of schedule or withdrawal period for each session. These dates are published in the schedule of classes.

#### 1. Adding a Course

Students may add a course(s) to their schedule during the Add/Drop period for each session. Students must submit a completed Add/Drop form to Registration and Records or they may add online via myFCC.

#### 2. Dropping a Course

Students may drop a course(s) during the Add/Drop period for each session. The dropped course will not appear on the student's transcript. Students must submit a completed Add/Drop form to Registration and Records, or they may drop online via myFCC.

#### 3. Withdrawal

Students may withdraw from a credit course(s) after the defined Add/Drop period but before the published deadline in the Schedule of Classes. Students who withdraw from a credit course(s) will receive a grade of "W." The withdrawn credit course and the grade of "W" will appear on the student's transcript; however, no credit or quality points will be assigned. Students must submit a completed Add/Drop form to Registration and Records or they may withdraw online via myFCC. For further details and exceptions, see the Student Withdrawal Policy and Procedures.

#### 4. Co-listed Credit/Continuing Education and Workforce Development (CEWD)

A student in a co-listed Credit/CEWD class may change from Credit to CEWD or CEWD to Credit during the session's Add/Drop period. Students changing from CEWD to Credit must do so during the session's Add/Drop period and must meet all prerequisites. To complete this process students must visit the Enrollment Center on the first floor of Jefferson Hall or contact Registration and Records online.

### E. Grading

#### 1. Grading

- Assessment methods resulting in the assignment of a grade, are determined by the Core Learning Outcomes of the course, learner characteristics, and setting. The number and types of assessments and the value assigned to each and grading scale must be included on the course syllabus. Faculty members are required to assign a letter grade to each student according to the following table and adhere to the final grade submission deadline for each session.

Grade	Evaluation	Quality Points
A	Excellent	4
B	Good	3
C	Average	2
D	Passing	1
F	Failing	0

FNA	Failure due to non-attendance/participation	0
I	Incomplete	0
W	Withdrawal	0
AU	Audit	0
S	Satisfactory	0
U	Unsatisfactory	0
Z	In Progress	0
P	Pass (Equivalent to a grade of "C" or better)	0
DX	Clemency/Passing	0
FX	Clemency/Failing	0

- b. A grade of "W" is recorded for students who withdraw from a class during the defined withdrawal period for each session. These dates are published in the schedule of classes.
- c. A grade of "I" may be issued in the case of extenuating circumstances at the discretion of the instructor. This grade is issued only to the student whose work has been satisfactory but because of circumstances beyond the student's control, full requirements of the course remain unfulfilled at the time of grading.
  - 1. Student should complete course requirements within the period of time prescribed by the instructor but no later than
    - a. Eight (8) weeks following the fall or spring semesters
    - b. Four (4) weeks following the summer term
  - 2. In the event that the incomplete grade has not been changed by the instructor in the allotted time frame in section i. above, the Incomplete will automatically become an "F." An "F" may be changed to a grade by the faculty, even after the deadline has passed with the approval of the appropriate Associate Vice President.
  - 3. In case of extenuating circumstances preventing a student from completing the course requirements within a prescribed period, the student and/or faculty member may request to their appropriate Associate Vice President additional time to complete their coursework.
- d. **P** – A grade of "P" is equivalent to a grade of "C" or better. A few select courses are offered on a pass/fail basis. Students taking courses on a pass/fail basis are allowed a maximum of nine (9) such credits to be counted toward their degrees. Pass/fail course credits are not computed in the student's overall GPA.
- e. **DX** – A grade of "DX" is recorded for a student who has been granted academic clemency for a "D" grade. The grade carries no quality points and is not included in the GPA calculation.
- f. **FX** – A grade of "FX" is recorded for a student who has been granted academic clemency for an "F" grade. The grade carries no quality points and is not included in the GPA calculation.
- g. **AU** – Courses taken for audit do not satisfy course or program prerequisites or graduation requirements. Regular tuition and fees are charged when auditing a course. A student registering as an audit student must meet all the required prerequisites. Audited courses do not count towards a student's enrollment status. A student may change from

audit to grade basis (credit) through the last day to add courses for that session. A change from grade basis (credit) to audit may be made through the last day to withdraw for each session. Students registered as audit participate in the course; however, are not required to take part in assessments.

- h. **FNA** - The FNA grade will be given to a student whose failure to pass a class is a result of insufficient attendance and/or participation, as defined by individual faculty members. The grade would be calculated into the GPA as an F and would appear as an F on the student transcript. The FNA grade will only be used internally to document failures due to insufficient attendance and/or participation.
- i. **Change of Grade** – An instructor may change a grade for a class until the last day of the next full semester (fall or spring) by completing the change of grade form. After that, the grade change must be approved by the appropriate Associate Vice President, Executive Director, or the Provost.

**2. Grading in Continuing Education & Workforce Development (CEWD) Courses**

- a. CEWD courses apply assessments and grading based on the course type. Assessment methods resulting in the assignment of a CEWD grade are determined by the learning outcomes of the course. The number and types of assessments and the value assigned to each and grading scale must be shared with students via course syllabus or topical outline. CEWD Adjuncts are required to assign a grade to each student, in applicable courses, according to the following table, and adhere to the final grade submission deadline for each session. CEWD grades do not carry quality points, and are not factored in to a student's grade point average (GPA).

Grade Basis	Grade	Criteria	Outcome
CEU	CC	Successful completion based upon competency (learning is assessed) and is equivalent to a Satisfactory grade of "S"	CEU awarded
CEU	AC	Successful completion based upon attendance (80% minimum attendance) and is equivalent to a Satisfactory grade of "S"	CEU awarded
CEGrade	SC	Successful completion based upon competency and is equivalent to a Satisfactory grade of "S"	No CEU awarded
CEGrade	SA	Successful completion based upon attendance and is equivalent to a Satisfactory grade of "S"	No CEU awarded

UC	Unsuccessful completion based upon competency	No award given
NA	Unsuccessful completion based upon attendance	No award given
WD	Student withdrawn from class	No award given

- c. A grade of WD is recorded for students who withdraw after the census date of a course as approved by the Associate Vice President for Continuing Education & Workforce Development.

### 3. Computation of Grade Point Averages (GPA)

#### a. Semester Grade Point Average

The semester GPA is determined by multiplying the number of credit hours in each course attempted by the number of points corresponding to the final grade for the course. The total is then divided by the number of credit hours attempted during that semester. The semester GPA is computed only on college-level courses attempted at FCC. The grades of "I," "AU," "S," "U," "P," "Z," "DX," "FX," and "W" are not used in calculating the GPA.

In the case of repeated courses, courses with the "RP" designation are excluded from the semester GPA calculation; courses with the "RI" designation are included in the semester GPA calculation.

#### b. Cumulative Grade Point Average

The cumulative GPA includes all college-level courses and grades attempted at FCC and is determined in the same manner as the semester GPA.

In the case of repeated courses, courses with the "RP" designation are excluded from the cumulative GPA calculation; courses with the "RI" designation are included in the cumulative GPA calculation. Only the highest grade earned will be used in cumulative GPA calculations. The course included in GPA calculations is indicated on the student's transcript with the "RI" (Repeat Grade Included) designation. All repeated courses excluded from GPA calculations remain on the transcript indicated as "RP" (Repeat Grade Excluded). If the two (2) grades are the same, the most recent grade will be used in GPA calculations.

A student who successfully repeats a course for which transfer credit has been granted will have the transfer credits removed from the transcript.

Students may receive transfer credits for an FCC equivalent course for which they have received an "F" grade at FCC. The "F" grade will remain on the transcript, but does not factor into the GPA calculation.

#### c. Hours Attempted and Earned

Hours attempted are the total number of credit hours in all college-level courses for which a student receives one of the letter grades listed under Grades and Quality Points.

Hours earned are the total number of credit hours in college-level courses for which a student receives a letter grade of "A," "B," "C," "D," or "P."

### 4. Posting of Grades

Final grades for an academic session are due from the faculty within three (3) calendar days after the end of the session.

### 5. Attendance Reporting

The Federal Government mandates that institutions identify students who are receiving financial aid and are not attending class, and return those aid dollars to the federal government. Instructors are key in identifying these students and assisting the College with complying with Federal Title IV Financial Aid regulations.

Faculty members are required to report the student's attendance at the beginning of the session and report no later than the dates provided by the Financial Aid Office. FCC does not disburse federal funds to students until attendance is confirmed by the instructor. Faculty who do not report attendance by the established attendance due dates, will cause a delay to students receiving their financial aid awards.

The Federal (Department of Education) definition of "Attendance," which should be used for both the initial attendance reporting by faculty and for the "Last Date Attended (LDA)" with unsuccessful grade posting, is as follows:

"Attendance" is determined by a student's "academic activity." Academically related activities include but are not limited to the following:

- attending a class (physical or virtual) where there is an opportunity for direct interaction between the instructor and students;
- submitting an academic assignment;
- taking an exam, completing an interactive tutorial, or participating in computer-assisted instruction;
- attending a study group that is assigned by the school;
- participating in an online discussion about academic matters;
- initiating contact with a faculty member to ask a question about the academic subject studied in the course.

NOTE: If a study has only logged into the online course by the date that attendance is due, then faculty should report this student as "never attending."

Faculty who do not report attendance by the established attendance due dates, will cause a delay to students receiving their financial aid awards. Faculty must also report the last date of attendance for students assigned "F," "FNA," "AU," "W," and "I" grades. When submitting final grades for a student who has never attended, a student should be given an FNA grade and faculty should indicate the Last Date Attended as one day before the start of the course session.

### 6. Assigning Final Grades where Last Date Attended (LDA) is Reported:

The LDA date should be based on the student's last date of academic activity according to the student's course records, and cannot be a date during a College break or Holiday, when no courses were in session.

If a student attended through the end of the course, then the LDA should be the last date of the session (as listed in the published course schedule).

If a student "never attended"/did not perform any academic activity, the LDA should be listed as one day prior to the start of the course session, which will denote "never attended".

## F. Academic Progress

FCC is committed to assisting students in the pursuit of their academic goals. While students at the College are expected to take responsibility for their own progress, the College reviews the academic progress students are making at the end of each semester and identifies their appropriate academic standing.

### 1. Academic Standing Review

- Students are expected to maintain minimum standards of academic achievement as indicated by both GPA and percentage of successfully completed credits.
- Academic standing is assessed after the student has attempted a total of twelve (12) cumulative credits.
- All students enrolled as degree seeking, certificate seeking, and Open Campus are subject to Academic Standing Review. Students who are enrolled under the admission classification of Courses of Interest are not subject to Academic Standing Review.

### 2. Definitions

- Successfully completed credits** – The following grades represent successful completion of credit: "A," "B," "C," "D," "S," "P." A grade of "D" may not fulfill a discipline or course requirement.
- Unsuccessfully completed credits** – The following grades represent unsuccessful completion of credit: "W," "F," "FNA," "AU," "I," "Z," or "U."
- Credits attempted** – Includes all credits attempted (including developmental courses) and courses in which a grade of withdraw, audit, incomplete, or in progress is recorded.

### 3. FCC Academic Standing Definitions

- Good Standing** – Students will be considered to be in good academic standing when their cumulative GPA is 2.000 or higher, and when they have successfully completed at least 50% of their cumulative credits attempted.
- Academic Alert** – Students are placed on Academic Alert when their cumulative GPA is less than 2.000, and/or they have not successfully completed more than 50% of their cumulative credits attempted.
  - While on Academic Alert, students will be required to meet with an assigned academic advisor within Learning Support to develop an Academic Success Plan designed to provide students with academic support to facilitate their success.
  - While on Academic Alert, students will be required to have their registration approved by an assigned academic advisor within Learning Support
  - Students who demonstrate academic progress while on Academic Alert, as evidenced by achievement of a minimum 2.000 semester GPA, and successful completion of at least 50% of semester credits attempted will be allowed to continue even if their cumulative GPA has not reached the required 2.000 and/or they have not completed 50% of their attempted cumulative credits. Students will be assigned a standing of Academic Alert with Progress.
  - While there is no credit restriction while on Academic Alert, students on Academic Alert at the time of pre-

registration for a subsequent semester can only pre-register for six (6) credits until final grades for the current semester have been posted. Students who make academic progress are then able to add additional credits to their semester schedule.

- Academic Alert with Progress** – Students who demonstrate academic progress while on Academic Alert, as evidenced by achievement of a minimum 2.000 semester GPA, and successful completion of at least 50% of semester credits attempted will be allowed to continue even though their cumulative GPA is less than 2.000, and/or they have successfully completed less than 50% of their cumulative credits attempted.
  - While on Academic Alert with Progress, students are not required to have their registration approved by an assigned academic advisor within Learning Support.
  - There is no credit restriction while on Academic Alert with Progress.
  - Students on Academic Alert with Progress at the time of pre-registration for a subsequent semester can pre-register with no credit restriction.
- Academic Probation** – Students on Academic Alert or Academic Alert with Progress who fail to achieve a 2.000 semester GPA, and/or who fail to successfully complete at least 50% of semester credits attempted are placed on Academic Probation.
  - While on Academic Probation, students will be required to meet with an assigned academic advisor within Learning Support to develop an Academic Success Plan designed to provide students with academic support to facilitate their success.
  - Students who are on Academic Probation must have their registration approved by an assigned academic advisor within Learning Support and will be limited to enrollment in six (6) credits.
  - Students who are on Academic Probation will not be allowed to pre-register for the subsequent semester until final grades for the current semester are posted.
  - Students who demonstrate academic progress while on Academic Probation, as evidenced by achievement of a minimum 2.000 semester GPA, and successful completion of at least 50% of semester credits attempted will be allowed to continue even if their cumulative GPA has not reached the required 2.000 and/or they have not completed 50% their attempted cumulative credits. Students will be assigned a standing of Academic Alert with Progress.
- Academic Suspension** – Students on Academic Probation who fail to achieve a 2.000 semester GPA, and/or who fail to successfully complete at least 50% of semester credits attempted will be academically suspended for one fall or spring semester, and any preceding Jan Term or summer term. Students who have compelling circumstances may appeal the enrollment restrictions by contacting the Associate Vice President/Dean of Students.
- Academic Dismissal** – Students who are subject to Academic Dismissal will be dismissed for a period of two (2) semesters, and any preceding Jan Term or summer term. Students who have compelling circumstances may appeal the enrollment

restrictions by contacting the Associate Vice President/Dean of Students.

Students are subject to Academic Dismissal when:

1. satisfactory progress is not made in the first semester upon their re-enrollment following Academic Suspension; or
2. the student has been placed on Academic Suspension for a second occurrence.

#### 4. **Re-admission Following Academic Suspension**

- a. Prior to re-enrollment, students who have been academically suspended must develop a plan to remediate their academic deficiencies and meet with an assigned academic advisor within Learning Support. The assigned academic advisor within Learning Support will develop an Academic Success Plan with the student identifying any academic requirements to be met including enrollment in developmental requirements, appropriate academic support courses, or use of academic support services.
- b. If satisfactory progress is not made in the first semester upon his/her return, the student will be subject to Academic Dismissal.

#### 5. **Re-admission Following Academic Dismissal**

- a. Prior to re-enrollment, students who have been academically dismissed must develop a plan to remediate their academic deficiencies and meet with the Associate Vice President/Dean of Students. If approved by the Associate Vice President/Dean of Students, students meet with an assigned academic advisor within Learning Support to develop an Academic Success Plan and identify any academic conditions of re-enrollment including enrollment in developmental requirements, appropriate academic support courses, or use of academic support services.
- b. If satisfactory progress is not made in the first semester upon his/her return, the student will again be subject to Academic Dismissal.

#### 6. **Satisfactory Academic Progress (SAP) Definitions for Federal Financial Aid**

FCC adheres to the Title IV Federal financial aid guidelines as defined by the Department of Ed.

- a. Appeal refers to a process by which a student who is not meeting SAP standards petitions the FCC Financial Aid Office for reconsideration of eligibility for Federal Student Aid (FSA) funds.
- b. Financial aid probation refers to a status assigned to a student who is failing to make satisfactory academic progress as defined by federal regulation and who successfully appeals. Eligibility for aid may be reinstated for one semester.
- c. Financial aid warning refers to a status assigned to a student who is failing to make satisfactory progress as defined by federal regulation. The student is eligible to receive aid for one semester and may do so without a student appeal.
- d. Maximum timeframe for receiving Federal Financial Aid may be no longer than 150% of the published number of degree credits for the declared program; however, an appeal for this timeframe is possible.

#### 7. **Request for Withdrawal After the Deadline Due to Extenuating Circumstances**

Students with extenuating medical/emergency/military circumstances which prevent them from withdrawing before the

published deadline or that arise after the last day to withdraw and prevent them from being able to successfully complete a class may request a retroactive withdrawal. Students who wish to request a retroactive withdrawal for extenuating circumstances should follow the procedure outlined in the Student Withdrawal Policy and Procedures.

#### G. **Change of Major**

1. Students declare their major at the time of application and may change their major any time. Only one major may be declared at a time; however, students may apply for multiple degrees and certificates.
2. Students who wish to change their major must obtain permission from an assigned academic advisor within Learning Support or Veteran & Military Services Advisor (if applicable) to help clarify their new educational goals. Students will be advised that changing majors could result in completed courses not applying to their new major.
3. Students changing their major will be assigned to the current catalog year.
  - a. Students requesting an exception to the assignment to the current catalog year need a written recommendation signed by an assigned academic advisor within Learning Support, faculty advisor, Department Chair, or Program Manager with written justification for the request. This request must be submitted to the Registrar. The Registrar will review the request and make a determination based on the continuous enrollment status of the student.
  - b. To ensure compliance with accreditation and licensing requirements, the student's clinical portion of an allied health program will be assigned to the current catalog year.
  - c. Students will not be assigned to a catalog more than five (5) years old.

#### H. **Course Repetition**

The right to repeat courses in some programs is not automatic. Individual program requirements may limit course repeatability. Students failing to successfully complete a course in some programs may be denied the opportunity to continue in those programs.

A student should consult an assigned academic advisor within Learning Support before attempting the course for the second time. No student may attempt the same course a third time without consulting the appropriate Department Chair, Program Manager, or designee. The fourth and any subsequent attempts of the same course will require the approval of the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development or designee.

Course repetition restrictions do not apply to courses which are identified in the FCC Academic Catalog as repeatable for additional credit. These courses may be repeated up to the maximum number specified unless otherwise exempted.

When a student repeats a course, the highest grade and corresponding credits awarded will be used in computing the GPA. If the two grades are the same, the last grade will count. All courses taken become part of the student's academic record and appear on the student's transcript. If a student receives an "F" in a course at FCC, and successfully completes the course at another institution, transfer credit may be awarded; however, the "F" grade received at FCC remains on the transcript but does not factor into the GPA calculation.

Students should be aware that federal financial aid regulations limit the number of times a student can receive federal financial aid for a graded course.

#### I. Graduation Requirements

FCC awards Associate degrees, certificates, and Letters of Recognition (LORs) to those students who complete a prescribed curriculum with a 2.000 grade point average or better. Students enrolled in the Associate of Arts in Teaching (A.A.T.) programs, however, are required to complete the prescribed curriculum with a 2.750 grade point average or better. Degrees, certificates, and LORs are awarded or conferred three (3) times a year: August, December, and May.

The standard number of credits for an Associate degree from a public community college is sixty (60) credit hours.

The standard number of credits required for an Associate degree (i.e. 60) does not apply if 1) the degree program is defined as more than a two-year Associate degree; 2) professional accreditation requires a higher number of credit hours or requires coursework that cannot be completed in 60 credits; or 3) certification requirements result in a need for credit hours in excess of 60. MHEC approval is required for exceptions in excess of 60 credits.

##### 1. Associate of Arts Degree (A.A.) and Associate of Science Degree (A.S.)

To be eligible to receive the Associate of Arts or Associate of Science degree, students must:

- a. Successfully complete a prescribed curriculum as approved by the College with at least 60 credits.
- b. Complete a core of at least 31 general education credits that will include the following:
  1. English Composition (ENGL 101 English Composition): 3 credits.
    - Beginning in Summer 2017, students who are degree-seeking and have taken ENGL 101 English Composition must have a C grade or better to receive their degree. Students who are degree-seeking, have been continuously enrolled, and have taken ENGL 101 English Composition prior to Summer 2017 will be allowed to graduate with a D in ENGL 101 English Composition. Although the D grade will enable a student to complete the Associate degree at FCC, it does not guarantee that English composition will transfer to another institution.
  2. Arts, Humanities, Communications: 9 credits, three courses, one selected from each area.
  3. Social and Behavioral Science: 6 credits, two courses, selected from different disciplines.
  4. Biological and Physical Science: 7/8 credits, two courses, one must be a lab science.
  5. Mathematics: 3/4 credits, one course.
  6. Interdisciplinary or Emerging Issues is an optional category that can fulfill an open general education elective requirement.
  7. Open General Education Elective: 3 credits selected from any category of General Education courses above.
- c. Complete the Cultural Competence Requirement: At least one course must be designated as meeting the College cultural competence requirement.
- d. Complete the Health, Wellness, or Physical Education requirement: 1/3 credits.

- e. Obtain a minimum grade point average of 2.000 (in addition, certain programs of study may require a minimum grade in designated courses).
- f. Complete at least 25% of academic degree credits at Frederick Community College.
- g. Complete a graduation application and submit to Registration and Records.

##### 2. Concentration within the Associate of Arts Degree (A.A.) or the Associate of Science Degree (A.S.)

To be eligible to receive a concentration within the Associate of Arts or Science Degrees, students must:

- a. Successfully complete a prescribed curriculum approved by the College with at least 60 credits.
- b. Obtain a minimum grade point average of 2.000.
- c. Complete a core of at least 31 general education credits as outlined above. Complete between 12 and 30 credits in an approved area of concentration.
- d. Complete the Cultural Competence Requirement: At least one course must be designated as meeting the College cultural competence requirement.
- e. Complete the Health, Wellness, or Physical Education requirement: 1/3 credits.
- f. Obtain a minimum grade point average of 2.000 (in addition, certain programs of study may require a minimum grade in designated courses).
- g. Complete at least 25% of academic degree credits at Frederick Community College.
- h. Complete a graduation application and submit to Registration and Records.

##### 3. Associate of Applied Science Degree (A.A.S.)

To be eligible to receive the Associate of Applied Science degree, students must:

- a. Successfully complete a prescribed curriculum as approved by the College with at least 60 credits.
- b. Complete a core of at least 20 credit hours of general education courses that will include the following:
  1. English Composition (ENGL 101 English Composition): 3 credits.
    - Beginning in Summer 2017, students who are degree-seeking and have taken ENGL 101 English Composition must have a C grade or better to receive their degree. Students who are degree-seeking, have been continuously enrolled, and have taken ENGL 101 English Composition prior to Summer 2017 will be allowed to graduate with a D in ENGL 101 English Composition. Although the D grade will enable a student to complete the Associate degree at FCC, it does not guarantee that English composition will transfer to another institution.
  2. Arts, Humanities, Communications: 3 credits, one course.
  3. Social and Behavioral Sciences: 3 credits, one course.
  4. Biological and Physical Sciences: 3/4 credits, one course.
  5. Mathematics: 3/4 credits, one course.
  6. Interdisciplinary or Emerging Issues is an optional category that can fulfill an open general education elective requirement.

7. Open General Education Elective: remaining credits selected from any category of general education courses above.
  - c. Complete the Cultural Competence Requirement: At least one course must be designated as meeting the College cultural competence requirement.
  - d. Obtain a minimum grade point average of 2.000. (In addition, certain programs of study may require a minimum grade in designated courses.)
  - e. Complete at least 25% of academic degree credits at Frederick Community College.
  - f. Complete a graduate application and submit to Registration and Records.
- 4. Associate of Arts in Teaching (A.A.T.)**  
To be eligible to receive the Associate of Arts in Teaching degree, students must:
- a. Successfully complete a prescribed curriculum as approved by the College.
  - b. Complete a core of at least 31 credit hours of general education courses as described in the program of study and meet all state requirements.
    1. English Composition (ENGL 101 English Composition): 3 credits.
    2. Students who are degree-seeking and have taken ENGL 101 English Composition must have a C grade or better to receive their degree.
    3. Arts, Humanities, Communications: 9 credits, three courses, one selected from each area.
    4. Social and Behavioral Science: 6 credits, two courses selected from different disciplines.
    5. Biological and Physical Science: ELEM/SPED and ECE/SPED, 12 credits of lab science. For all other AATs, 7/8 credits, two courses, one must be a lab science.
    6. Mathematics: 3/4 credits, one course.
    7. Interdisciplinary or Emerging Issues is an optional category that can fulfill the Open General Education elective requirement.
    8. Open General Education Elective: 3 credits selected from any category of General Education courses above.
  - c. Complete the Cultural Competence requirement: At least one course must be designated as meeting the College cultural competence requirement.
  - d. Complete the Health, Wellness, or Physical Education requirement: 1/3 credits.
  - e. Obtain a minimum grade point average of 2.750, submit to Registration and Records official qualifying scores on any MSDE approved basic skills test, such as the SAT/ACT/Praxis Core and earn a "C" or better in all courses used to satisfy the A.A.T. program or study OR obtain a minimum grade point average of 3.0 at the time of graduation, and earn a "C" or better in all courses used to satisfy the A.A.T. program of study.
    - Qualifying scores are established by Maryland State Department of Education for all Maryland institutions of higher education.
  - f. Complete at least 25% of academic degree credits at Frederick Community College.
    - Students are strongly urged to consult with the Education Program Coordinator and/or their assigned academic

advisor as early as possible and should be aware that some transfer college and universities may require a higher grade point average as a condition of admission than that required to earn the A.A.T. degree.

- g. Complete a graduation application and submit to Registration and Records.

**5. Certificate**

To be eligible to receive a certificate, students must:

- a. Complete a prescribed curriculum of at least twelve (12) credits as approved by the College.
- b. Obtain a minimum grade point average of 2.000.
- c. Complete at least 25% of the certificate credits at FCC. For the CPA Exam Qualification Certificate, only one (1) course required for the certificate must be taken at FCC.
- d. Complete an application for graduation and submit to Registration and Records.

**6. Letter of Recognition**

To be eligible to receive a letter of recognition, students must:

- a. Complete a prescribed curriculum of at least six (6) credits as approved by the College.
- b. No course substitutions are allowed.
- c. Obtain a minimum grade point average of 2.000 in the courses required by the Letter of Recognition.
- d. Complete at least 25% of the LOR credits at FCC.
- e. Complete an application for graduation and submit to Registration and Records.

**7. Workforce Training Certificate**

To be eligible to receive a Workforce Training Certificate, students must:

- a. Complete a course or series of courses identified as Workforce Training Certificate, as approved by the College.
- b. Complete all courses on the basis of competency.

Please note:

- No substitutions allowed.
- Students can request approval to transfer up to 25% of total Certificate contact hours of prior learning from an accredited institution for some Workforce Training Certificates.
- Workforce Training Certificates are issued each month.
- Workforce Training Certificates recipients do not take part in commencement ceremonies, unless they have also completed a degree or certificate.

**8. Program Discontinuance**

Following the discontinuance of a degree or certificate program, application to graduate under that degree or certificate program will be honored for five (5) years. Students must be continuously enrolled during the five-year teach-out period.

**9. Additional Associate Degree or Certificate**

Students wishing to earn more than one associate degree or certificate must fulfill all program requirements for each degree or certificate in accordance with college requirements. At the time of application for graduation, students must declare the catalog year under which they are requesting to be evaluated for degree completion. Students must select a catalog of an academic year during which they were registered and attended

classes at the College, and have had no break of four full semesters.

#### 10. **Dean's List**

Students who have earned twelve (12) or more credits at the College are eligible to be considered for the Dean's List. At the end of the fall and spring semesters, the Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development will publish a list of those full-time and part-time students who have completed at least six credits during the semester and have earned a semester grade point average of 3.500 or better.

#### 11. **Graduate with Honors**

Students who have accumulated a grade point average of 3.500-3.7490 are awarded a degree with "Honors." A degree with "High Honors" is awarded to those students who have accumulated a grade point average of 3.750 or better. A Certificate will be awarded with "Distinction" to those students with a grade point average of 3.750 or higher.

#### 12. **Honors College**

Students who complete twelve (12) honors credits with an overall grade point average GPA of 3.250 or higher are eligible to graduate from the Honors College. Graduates receive a notation on their transcripts recognizing this achievement.

#### 13. **Commencement**

Commencement is conducted each year in the month of May, but diplomas are awarded in August, December, and May. Diplomas may also be awarded at additional times for special programs at the discretion of the Registrar.

### J. **Course Substitutions**

1. Substitutions of course requirements within degree and certificate programs may be considered under special circumstances; however, no substitutions of course requirements within letters of recognition are allowed.
2. Examples of circumstances which may warrant a course substitution include those instances when:
  - a. a required course is no longer offered at the College;
  - b. a student has taken a course so similar to a required course that completing the required course would be redundant; or
  - c. a required course has been cancelled or is not scheduled to be offered soon enough so that a student's ability to graduate in a timely manner is compromised.
3. A non-general education course may not be approved as a course substitute for a general education requirement. In all cases, students must meet the minimum requirements for graduation as determined by the MHEC and as approved by the College in the catalog year in which the student was assigned his/her major.
4. The number of course substitutions should be limited in order to maintain the academic integrity of the program. In no case may course substitutions constitute more than 33% of the program as this constitutes a substantial change in the curriculum as defined by MHEC.
5. Program Managers and/or Department Chairs must complete a Course Substitution form identifying the recommended course substitution which is submitted to the Registrar for review and final approval. In the event that the recommended substitution does not fall within the course substitution guidelines, the Registrar will consult with the appropriate Department Chair.
6. Students requesting a course substitution based on the presence of a disability must do so through the Services for Students with

Disabilities (SSD) office. Information on the course substitution protocol is available from the SSD office.

7. Approved course substitutions are stored in students' PeopleSoft records and are reflected in the appropriate curricular requirement in students' degree audits.
8. Course substitutions should be requested, approved, and recorded prior to the last date to apply for graduation.

### K. **Academic Clemency**

Academic Clemency provides students returning to the College an opportunity to address prior unsatisfactory academic performance. Academic Clemency expunges a limited number of "D," "F," or "FNA" grades previously earned at FCC. Students will be made aware of the Academic Clemency procedure through the re-admission letter provided to them upon re-application to the College. Students who wish to apply for Academic Clemency will meet with a member of Career and Academic Planning Services (CAPS) to discuss the procedure.

1. The following are conditions for requesting Academic Clemency:
  - a. A student may be granted Academic Clemency only once.
  - b. Students who have been awarded a degree are not eligible for Academic Clemency.
  - c. A student must have not attended FCC for two (2) years before they are eligible to request Academic Clemency.
  - d. A student must demonstrate that they have the ability to benefit from college. Therefore, upon re-admission to the College, a student must achieve a minimum 2.000 GPA in all courses attempted by the end of the semester in which the student reaches at least twelve (12) attempted credits (6 of which must be general education credits) before being eligible to apply for Academic Clemency. Exceptions to this provision may be granted by the College Registrar.
  - e. Only courses in which a grade of "D," "F" or "FNA" has been earned will be considered for Academic Clemency.
  - f. Developmental courses will not be considered for Academic Clemency.
  - g. Courses that are required for the student's major are not eligible for consideration under the Academic Clemency procedure, therefore, students must repeat those courses. In accordance with the College procedure on repeating courses, the higher grade will be used in the calculation of GPA.
2. When a student has met the conditions of Academic Clemency, they will meet with an assigned academic advisor within Learning Support to develop an Academic Clemency plan and complete the Request for Academic Clemency form.
  - a. The number of credits that may be considered for Academic Clemency will be determined on a case by case basis by an assigned academic advisor within Learning Support working with the student. In no case can the number of credits exceed twenty-four (24).
  - b. An assigned academic advisor within Learning Support will sign the completed Request for Academic Clemency form and forward it to the Registrar for final approval and recording.
  - c. All course attempts will remain on the transcript. Courses that have been approved for Academic Clemency will be designated with the grade of "FX" or "DX."

## VI. Related Policies and Procedures

Academic Assessment and Placement (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/academic-assessment.aspx>)

Admissions (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/admissions-policy.aspx>)

Behavioral Evaluation and Response Team (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/bert.aspx>)

Code of Student Conduct (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/code-of-student-conduct.aspx>)

College Travel and Transportation (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/college-travel-transportation-policy-procedures.aspx>)

Complaint Policy and Procedures for Students (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/complaint-policy-procedure-for-students.aspx>)

International Travel (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/international-travel.aspx>)

Non-Discrimination (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/non-discrimination.aspx>)

Privacy and Access to Education Records (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/ferpa.aspx>)

Protection of Personally Identifiable Information (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/pii.aspx>)

Records Retention (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/records-retention.aspx>)

Student Withdrawal (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/student-withdrawal.aspx>)

Technology Use (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/technology-use.aspx>)

Title IX Sexual Harassment (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/titleix.aspx>)

Use of Facilities (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/use-of-facilities.aspx>)

*Revisions effective 7/1/2021*

**The College's official version of the Academic Standards Policy and Procedures is located on [frederick.edu](https://frederick.edu/jobs-hr/policies-and-procedures.aspx) (<https://frederick.edu/jobs-hr/policies-and-procedures.aspx>) and may be revised annually.**

# STUDENT SUPPORT SERVICES

## Alumni Services

Alumni services are housed in the Institutional Advancement office. The office maintains a database of active alums. The Alumni Association sponsors events for alumni and friends. For more information, call 301.846.2438.

## Athletics

### Mission Statement

The Department of Athletics promotes the academic and athletic growth of student athletes by offering opportunities to participate at a competitive level as part of a balanced intercollegiate athletics program. We serve the community by offering camps, clinics, and partnerships with outside groups. The department operates under the highest standards of integrity, equality, and sportsmanship.

### Department Overview

Student-athletes may compete in men's and women's soccer, men's and women's lacrosse, women's volleyball and softball, men's and women's basketball, and baseball. Frederick Community College athletic teams compete in two conferences, Maryland Junior College Conference (MD JUCO) and Region XX Conference of the National Junior College Athletic Association (NJCAA). The Maryland JUCO encompasses the seventeen Maryland community colleges, while Region XX of the NJCAA is comprised of Maryland, Western Pennsylvania and eastern West Virginia. Athletes have the opportunity to compete for All-JUCO, All-Region XX and All-American honors. Teams that win the regional tournament may participate in national competition. Information on graduation/transfer rates of student athletes is available online at [www.frederick.edu/srpk](http://www.frederick.edu/srpk) (<http://frederick-public.courseleaf.com><http://www.frederick.edu/srpk/>). A hard copy of this report is also available in the Welcome Desk, Athletics department, and the Associate Vice President/Dean of Student's office.

### Eligibility

Students who are interested in sports should check with the Department of Athletics before completing registration to discuss establishing eligibility. Under NJCAA rules, developmental courses can be used to establish and retain athletic eligibility. All passing grades in developmental courses such as 'S' and 'Z' will be calculated as a 'C' and will carry the number of credits that were paid at registration. A passing letter grade of A, B, C, D in a developmental class will be calculated as the grade earned and will carry the number of credits that were paid for at registration on your athletic transcript for athletic eligibility purposes only. For further information, contact the athletics office at 301.846.2500.

## Center for Teaching & Learning

The Center for Teaching and Learning (CTL) supports and enhances high-quality instruction and responds to the individual learning, teaching, and support needs of students, faculty, and staff. CTL encourages exploration and innovation in a variety of learning environments by sharing knowledge and providing tools and resources. The following programs and departments are coordinated within CTL: Faculty Professional Development, Gladhill Learning Commons, Library Services, Tutoring and Writing Center, STEM Learning Center, Testing Center, and Online Learning and Instructional Innovation.

## Faculty Professional Development

Frederick Community College provides adjunct and full-time faculty a responsive, innovative system of professional development of teaching and learning reflecting the characteristics and needs of the FCC student and faculty.

For more information, contact 301.846.2521 or visit the FCC Faculty and Staff web page.

## Bess & Frank Gladhill Learning Commons

The Bess & Frank Gladhill Learning Commons, the main campus hub for student academic support services, centralizes tutoring, academic support, library services, and faculty professional development in one location, while also providing online access to tutoring and research resources to support student learning. In this welcoming learning environment, students and faculty will find Library Services, the Tutoring and Writing Center, the Center for Teaching and Learning, computers, study spaces, learning technologies, and academic success workshops. The Gladhill Learning Commons has been recognized for its innovation, and campus leaders have presented at conferences, conducted tours, and shared information with national and international higher education administrators, faculty, and political leaders. For more information, visit the college website.

## Library

Library Services supports the research and information literacy needs of the College by partnering with departments to offer collections, instruction, and services for students, faculty, and staff. The print and digital collection supports the curriculum, and provides a variety of resources in various formats to meet teaching and learning needs. Research help is available in-person and through a series of online resource guides and FAQs. Information literacy instruction, available in-person and online, fosters critical thinking and develops research skills.

For more information on hours, collections, and services, call 301.846.2444 or visit the Library website.

## Tutoring and Writing Center

The Tutoring & Writing Center (TWC) is a dynamic study space within the Gladhill Learning Commons (L-226) staffed by trained learning assistants and faculty who support current students in developing foundational skills and knowledge to successfully achieve their academic goals. Services include face-to-face and online tutoring, academic coaching and study skills advice, success workshops, and technology access and assistance. Students taking introductory courses in English, ESOL, communications, social sciences, education, business, arts, Spanish, and American Sign Language can drop-in and work with a learning assistant individually or in small groups, or for certain courses, connect online. For more information, visit [frederick.edu](http://frederick.edu) (<http://frederick.edu>).

## Science, Technology, Engineering, and Math (STEM) Learning Center

The STEM Learning Center (SLC) is a dynamic study space in Braddock Hall (B-212) staffed by trained learning assistants and faculty who support current students in developing foundational skills and knowledge to successfully achieve their academic goals. Services include face-to-face and online tutoring, academic coaching and study skills advice, success workshops, and technology access and assistance. Students taking introductory courses in science, engineering, computer science, and mathematics can drop-in and work with a learning assistant

individually or in small groups, or for certain courses, connect online. For more information, visit [frederick.edu](http://frederick.edu) (<http://frederick.edu>).

## The Testing Center

The FCC Testing Center, in the Langanore Hall (L-104), is the central hub for campus-wide testing needs. The center is open six days a week. Call 301.846.2522, or consult the Testing Center website for specific hours and school closing schedule. Testing Center services include:

**Placement Testing**—All new students take placement testing in the Testing Center, unless exempted through SAT, ACT, or AP scores. Placement testing review materials and information on test-taking strategies are available in the Testing Center and through the Testing Center website.

**ESL Placement Testing**—All incoming students whose native (first) language is not English must take an initial placement test to determine English language proficiency at the time of enrollment. Students will then be referred to the ESL Program Manager at 240.629.7925.

**Departmental Make-up Exams**—In the event of a missed test, the Testing Center provides proctoring for departmental make-up exams by arrangement with the instructor.

**Distance Learning Exams**—The Testing Center has responsibility for administering id-verified exams for online courses. Individual instructors will communicate schedules and locations.

**Students with Disabilities**—The Testing Center has provisions for ADA accommodations. Students with disabilities who need accommodations for placement testing or departmental exams must contact the Director of Disability Access Services (DAS) at 301.846.2408 before coming in for a test.

**CLEP and DSST**—Both credit-by-examination exams provide individuals the opportunity to receive credit for college-level achievement. Examinations are fee based and are administered in the Testing Center by appointment by calling the Testing Center at 301.846.2522.

**Community Proctoring Services**—External distance and professional certification exam proctoring is a fee-based service that extends the Testing Center services into the community. Examinations are arranged through the Testing Center in conjunction with the student's educational institution or employer. Please contact the Testing Center Director for further information.

## Online Learning and Instructional Innovation

Online and Hybrid Courses provide distance learning options for students. All course sections, including face to face courses, require access to the Learning Management System, Blackboard. Students are expected to be able to access Blackboard both on and off campus.

## Career and Academic Planning Services

### Mission Statement

Career and Academic Planning Services strives to empower all students to achieve their personal, academic, and career goals by providing tools and resources to encourage self-directed learning. The office offers innovative, student-centered programs and services to meet the diverse and ever-changing needs of the community.

### Department Overview

The Career and Academic Planning Services Office has a wide range of services and resources to assist students with their career and transfer planning. Whether you need assistance exploring options, making decisions, preparing and implementing an action plan, and/or moving on to your next destination in reaching your career and transfer goals, we are here to help. For more information, call 301.846.2471.

### Career Planning Services

The College offers various types of career planning assistance to help students with exploration of options and decision-making. Students who are not sure where to begin their career and college major exploration are encouraged to make an individual appointment with a career advisor within in Career Services, located in Jefferson Hall. This personal approach to career and major exploration is recommended to begin in the student's first semester at the college. To make an appointment with a career advisor, call 301.846.2471 or schedule an appointment online through the Career Services webpage at [frederick.edu/careers](http://frederick.edu/careers) (<http://frederick.edu/careers/>). Prior to the career advising appointment, students may want to take the online career assessment, Focus2, that can be found on the Career Services website under Explore Skills, Majors, and Careers.

Students may also be interested in a structured approach to career planning through the classroom and enroll in courses such as ACCE 130 Career Assessment and Planning or ACCE 107 Choosing a Major or Career. A planned approach to career development is facilitated by the instructor and students have the opportunity to reflect on their experiences with other students who are going through the same process.

There are numerous online career resources to assist students. This is an option for students who want to begin career exploration on their own as a starting point. On the Career Services website at [www.frederick.edu/careers](http://www.frederick.edu/careers) (<http://www.frederick.edu/careers/>) there is a specific section on Explore Skills, Majors, and Careers where students can begin to evaluate their skills, interests, values, and personality. Focus 2 is a comprehensive online platform that guides students through the process of assessing all of these areas and generate possible career options, major programs of study, and Career Pathways at FCC. Students can also begin to explore what they can do with their major with regard to careers and then research careers through a number of comprehensive resources. Career Communities are hosted on the Career Services website and allow students to explore areas of interest and industries, find out about career options, learn about internship and job search sites specific to industries, and how to network for information and experiences. The career services website also includes information on the Job Search, Experiential Learning, and a link to the Library's Resource Guide on Careers and Jobs.

Career Services also hosts a robust recruiting program with a diverse pool of employers. Throughout the academic year, employers schedule recruitment tables and information sessions either on-campus or virtually to talk with students about part-time jobs, internships, and full-time career opportunities. A full list of employers participating in the recruiting program can be found on the college events calendar, in addition to the Student Portal and College Central Network. College Central Network ([www.CollegeCentral.com/frederick](http://www.CollegeCentral.com/frederick) (<http://www.CollegeCentral.com/frederick/>)) is the online recruiting platform where students can search for part-time jobs, internships, and full-time jobs. College Central Network is also a robust portal of job search information and includes Podcasts,

videos, and documents to help students with resume development, interviewing, the job search, networking, cover letters, and internships.

Networking with employers is very beneficial for students to help explore options in the workplace and gain experience. Students are encouraged to meet employers during information sessions and at recruiting tables throughout the academic year, as well as attend Career Fairs. Career Fairs are usually organized by industry and are planned in collaboration with academic program managers. Career Fairs can be found on College Central Network where students can also find the valuable information about the organizations attending and how to prepare for the events.

Students are encouraged to utilize the varied career resources available to them during their time at Frederick Community College. Alumni are also able to access career services. For more information, visit the Career Services website at [www.frederick.edu/careers](http://www.frederick.edu/careers) (<http://www.frederick.edu/careers/>).

## Career Planning Courses

The three-credit course ACCE 130 Career Assessment and Planning is beneficial to students who need a comprehensive, structured approach to career planning. In this elective course, students will first assess their skills, interests, personality and values. Not only will they uncover many hidden talents, they will also identify what they need to be satisfied in a job. After completing this self-assessment, they will explore the occupational world for careers that match their attributes. In addition to developing decision-making skills, students will learn how to develop objectives and action plans to help achieve their goals.

## Transfer Planning Services

From the time students select their first course, they are making decisions that greatly affect their transfer plans. For this reason, it is important that students work closely with an advisor for course scheduling and transfer planning.

The Career and Academic Planning Services Office has a variety of print and electronic resources available to help with transfer planning. Computers are available for students to access college websites and access online transfer resources. ARTSYS, a computerized articulation system created especially to help community college students transfer to Maryland four-year institutions, is available, as well as College Board, which is an online resource that enables students to conduct a college search using criteria such as major, size of enrollment, geographic location, cost and available student activities.

Transfer guides outlining transfer admission information and requirements of the colleges to which our students most frequently transfer are maintained in the Career and Academic Planning Services Office. Resource books such as *Peterson's Guide to Four-Year Colleges* is also available.

Transfer sessions covering topics such as the transfer and application process, and transfer scholarships are offered throughout the year. Transfer counselors are also available to meet individually with students to help develop individualized transfer plans.

Throughout the year, opportunities are available for students to meet with representatives of four-year schools who visit the FCC campus. Some of these college reps will also meet with students for individual pre-transfer advising appointments here on the FCC campus. Both the Transfer Fair and the FCC-sponsored Frederick County College Night provide opportunities to explore potential transfer schools.

The college makes every possible effort to provide access to the most current and accurate transfer information. However, students should always verify information with the intended transfer school. For more information, visit the FCC Transfer Services website at [frederick.edu](http://frederick.edu) (<http://frederick.edu>). To schedule an appointment for transfer planning/ advising, use the Online Appointment Scheduling Tool on the Counseling & Advising website and select "Transfer Advising" or call 301.846.2471.

## Academic Advising

The goal of FCC's academic advising system is to assist students in developing academic plans consistent with their degree and/or career objectives. Advisors and Counselors are able to assist students in meeting requirements for degree programs both at FCC and transfer institutions, provide advice on good combinations of courses to take each semester to balance academic load, and make sure that students have the necessary prerequisites for courses to help ensure that students are successful.

All students are strongly encouraged to meet with an advisor prior to course registration each semester. Students who have been placed on probationary status are required to have an advisor's approval before registering for classes. In addition, students enrolling in college for the first time are expected to participate in the college's new student orientation program where they will have the opportunity to meet with staff to learn more about the college's offerings and resources and receive information pertaining to college policies and services. During the orientation program, students will meet individually with an advisor to plan their semester schedule and register for their classes.

## Health Science Advising

Students interested in the college's allied health programs (medical assistant, respiratory care, associate degree nursing, transition-to-RN, or surgical technology program) are encouraged to meet with an Academic Advisor for Health Sciences. Individual appointments and information sessions may be available. For more information, call 301.846.2471.

## Public Safety Advising

Students interested in FCC programs in Emergency Management, Criminal Justice, Fire Service Administration, Police Science, Corrections, or Geographic Information Systems are encouraged to request an advising session with a Public Safety program advisor.

## Personal and Social Counseling

FCC offers counseling referral services to assist students with the many choices confronting them as they enter and progress through college. In addition, staff offer workshops on a variety of topics and serve as a resource for students and faculty. Contact Career and Academic Planning Services at 301.846.2471.

## Developmental Education

FCC offers a range of support services, as well as developmental courses in English, mathematics, and science. These courses are designed to help students who are identified through the college's assessment testing as needing additional preparation for college-level coursework

## Disability Access Services

### Mission Statement

The Disability Access Services (DAS) office at Frederick Community College assists and supports eligible students with disabilities. Student services may include academic advising, individualized accommodation

plans, transition coaching, as well as workshops and programs. Students will be empowered to become self-advocates in order to achieve individual success at FCC and beyond. The DAS office provides community outreach and collaborates with agencies and resources to meet the diverse needs of students with disabilities.

## Department Overview

Frederick Community College is committed to full compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act Amendments Act (ADAAA). The college provides support services to maximize independence and encourage the integration of students with disabilities into all areas of college life through the Office of Disability Access Services. The particular needs of each student are considered on an individual basis. Reasonable accommodations are provided for qualified students with disabilities who self identify and provide documentation. Course standards are not altered but various support services are offered to ensure that students with disabilities can demonstrate their educational potential.

Students with disabilities are encouraged to contact the office as early as possible after applying for admission (301.846.2408). Reasonable accommodations, based on documentation, are then offered to qualified students for courses and for placement testing, if requested.

Students in need of sign language interpreting services should contact the office two weeks prior to the beginning of classes to ensure services are in place.

Assessment testing in reading, writing and mathematics is required for all students as part of the admissions and registration process. Students with disabilities should contact the Disability Access Services office (301.846.2408) prior to testing so that accommodations can be provided if needed. Please note that all placement tests are untimed.

Students with disabilities may apply for the same types of financial aid available to all eligible students. Any resident of Maryland who is out of the workforce because of a permanent disability as defined by the Social Security Act, the Railroad Retirement Act, or in the case of former federal employees, the Office of Personnel Management, and enrolls in a community college class that has at least 10 regularly enrolled students, may be eligible for a tuition waiver. The tuition waiver does not apply to fees. For specific guidelines refer to the Tuition and Fees Policy and Procedure (p. 51).

### Contact Information:

Disability Access Services Office  
301.846.2408 or via email at [DisabilityServices@frederick.edu](mailto:DisabilityServices@frederick.edu)

Coordinator for Interpreting Services  
301.846.2476 (Voice), 240.575.1803 (VP), or via email  
at [Interpreting@frederick.edu](mailto:Interpreting@frederick.edu)

## English as a Second Language (ESL)

FCC offers a series of English as a Second Language (ESL) courses that focus on listening, speaking, reading, writing, pronunciation and grammar. For more information about ESL programming at FCC, call 240.629.7962. See instructions on how to apply and register for ESL classes under the English as a Second Language (ESL) Students section of the Admissions Policy and Procedures (p. 13).

## Job Search Assistance

Career Services at FCC offers job search assistance to graduates and students seeking part-time or full-time employment.

Students and graduates may access the online jobs platform College Central Network (CCN) at [www.CollegeCentral.com/frederick](http://www.CollegeCentral.com/frederick). (<http://www.collegecentral.com/frederick.html>) This platform lists part-time and full-time jobs, as well as internships. CCN is a portal full of information and resources including sample resumes, interviewing tips, networking strategies, and job search advice. There are helpful documents, podcasts, and videos. A full employer recruitment calendar also lists career fairs, information tables, and networking events.

Job search advice can also be found at <https://guides.frederick.edu/careers> (<https://guides.frederick.edu/careers/>) and the Career Services website at [www.frederick.edu/careers](http://www.frederick.edu/careers) (<http://www.frederick.edu/careers/>). Students and alumni may make appointments with Career Services for resume reviews, interviewing preparation, and personalized assistance with their job searches.

## The Office of Multicultural Student Services

### Mission Statement

The Office of Multicultural Student Services (MSS) provides interested students with comprehensive support that consists of academic planning, and personal support, advising, and a series of dynamic cross cultural activities which focus on enhancing or developing strategies for success. Multicultural Student Services aims to increase student success and goal achievement while enhancing access, support and opportunities that meet the needs of a diverse and changing population. To ensure the successful transition to college and completion of a college degree or certificate, we offer additional advising support to students who may be experiencing academic challenges or are having difficulty adjusting to the college environment.

### Overview

Multicultural Student Services (H-103) offers academic support through personal counseling, advising, comprehensive student success academic action plans, and student advocacy by establishing strong mentoring relationships between students and faculty/staff. MSS aims to provide a smooth transition to the college and to increase the probability of success for each student. The office provides identity development activities and education beyond the classroom experience by hosting cultural engagement programming including but not limited to critical thinking discussions, cultural fieldtrips, study skills workshops, goal setting initiatives and leadership development retreats. In addition, we provide specialized support and outreach to men and women of color through our Big 6 and Elite 8 programs, support for high school students with our College Prep program and support for ESL students through a scholarship for ESL students who are enrolled in career programs. Please call 301.624.2894 for additional information.

## Office of Adult Services

### Mission Statement

The Office of Adult Services at Frederick Community College provides services and support in identifying and achieving educational, career, and personal goals to adults in transition. The services include academic advising, needs assessment, career and personal adjustment counseling, financial assistance consideration, workshops, and referral to College

and community services. Specific services are offered to single parents and non-traditional age adults (24 and over) who are low income, out-of-workforce, or homeless.

## General Overview

The Office of Adult Services (A-103) offers a variety of services for adults returning to college. Designed to ease the transition into the classroom for those who are returning to begin or complete a degree, acquire marketable skills or retrain for a new career, the office offers information and referrals to College and community resources, workshops on topics of interest for adult students, and special services for single parents and displaced homemakers. Please call 301.846.2483 for additional information.

## Project Forward Step

Project Forward Step is a counseling, information, and referral program designed to meet the needs of returning adult students. Program services are designed to help individuals increase and upgrade skills leading to employment or a career change. Services provided include intake interview, needs assessment, career counseling, academic advisement, transition support, workshops for adult students, and referral to College and community services.

The program provides special services for single parents (including single pregnant women) and non-traditional age adults (age 24 and over) who are low income, out-of-workforce, or homeless.

An out-of-workforce individual is someone who has worked primarily without remuneration to care for a home and family, and for that reason has diminished marketable skills, and is unemployed or underemployed and is experiencing difficulty in obtaining or upgrading employment OR is an individual who has been providing unpaid services to family members in the home and either has been dependent on the income of another family member but is no longer supported by that income, or is unemployed or underemployed and is experiencing difficulty obtaining or upgrading employment.

Students in the Project Forward Step program may be eligible to receive scholarship support from the FCC Foundation and the Maryland State Department of Education to offset educational expenses such as tuition and fees, books and materials, child care, and transportation.

## Parents Lead

Parents Lead is a Frederick Community College program providing assistance to parents in the pursuit of a college degree. This cohort-based program is a combination of online and on-campus classes. Designed especially for financially eligible parents, the program provides specialized curriculum and advising services as well as FCC Foundation scholarships for childcare while parents attend classes, or for other costs associated with child rearing. Additional financial aid is available to assist eligible students with tuition and fees.

## Women's Center

The Women's Center (A-103) is a partnership between the Office of Adult Services and the Frederick County Commission for Women that provides Frederick County citizens with a centralized place to access information about and referrals to community resources and services, attend workshops, and be exposed to social and professional networking opportunities. In March, the Women's Center sponsors special events for Women's History Month. The Anne-Lynn Gross Breast Cancer Resource Center is now open in the Women's Center. Information about early detection, treatment and aftercare is available, as well as community

resources and referrals. A breast cancer support group meets at 7 p.m. the second Thursday of each month.

## Allied Health Academy

The Allied Health Academy provides training and educational supports for qualified program participants who are seeking training at FCC to become certified nursing assistants (CNA), geriatric nursing assistants (GNA), or other select allied health occupations. Call 301.846.2483 for more information. Eligible AHA students can receive a need-based scholarship provided by the Frederick Community College Foundation.

## Adult Ed STARS (Student Transition Assistance, Resources, and Support)

Adult Ed STARS assists FCC Adult Education GED<sup>®</sup> exam and National External Diploma Program (NEDP) completers who wish to transition to college or Continuing Education & Workforce Development programs at Frederick Community College. Services include intake interview and needs assessment; career, personal, and academic counseling; referral to financial aid resources; and educational case management.

## Student and Advisor Responsibilities in the Advising Process

Knowing what is expected of students by their advisors and, in turn, knowing what they can expect from their advisors, will help both parties involved to have a successful experience.

### Student Responsibilities

1. The student has the responsibility to meet with an advisor during the early registration period of each semester.
2. The student is an active participant in the advisor/advisee relationship. As such, the student communicates concerns, needs, and problems in an effort to keep the advisor apprised.
3. The student accepts responsibility for making decisions and the consequences of those decisions.
4. The student is knowledgeable about college policies, procedures, and regulations, as well as program and graduation requirements. Sources of information include the academic catalog, the student handbook, and the catalogs of the transfer colleges, if appropriate.
5. The student schedules a preregistration advising appointment with an advisor to discuss program development in relation to course selection, major/career goals, and scheduling of classes.
6. The student has prepared in advance for the preregistration advising appointment; has reviewed courses suggested on the program page of the catalog for his/her major; has read course descriptions of these suggested courses and has reviewed the general education course requirements appropriate for his/her major; has reviewed the catalogs or guides for transfer requirements; has thought about course selections; and has made a tentative outline of courses and class meeting times.
7. The student understands the advisor is an information source. (When appropriate, the advisor may serve as a referral agent, helping the student to obtain assistance in areas of concern.)
8. The student has the responsibility to maintain a personal advising file which includes program requirements, advising notes, and other information disseminated by the advisor.
9. The student knows the office hours and location of the advisor.
10. The student is responsible for developing a realistic schedule that allows adequate time for studying, reading, writing research papers, etc., and takes into consideration the student's work schedule,

commuting time, family responsibilities, and other non college demands.

## Advisor Responsibilities

1. The advisor meets students to help them formulate appropriate educational plans.
2. The advisor creates a caring relationship conducive to open communication and trust.
3. The advisor assists students in identifying educational and career goals.
4. The advisor assists students in developing an academic plan which actualizes goals and objectives consistent with the students' abilities and interests.
5. The advisor is knowledgeable about college policies, procedures, prerequisites, and college regulations, as well as program and graduation requirements. The advisor is familiar with academic requirements of receiving institutions for transfer purposes.
6. The advisor encourages students to take an active role in planning their academic programs, and guides in the selection of courses which fulfill the liberal arts core requirements, major course of study requirements, and appropriate electives.
7. The advisor serves as a primary communication source for students, providing current information about academic policies, procedures, regulations, and programs.
8. The advisor has knowledge of college referral sources and services (such as tutoring, developmental support courses, study groups, or counseling) which may assist students in their educational, career, and/or personal development. When appropriate, the advisor may act as a referral agent.
9. The advisor listens and facilitates students' growth in the areas of academic, career, and personal concerns.
10. The advisor confronts students openly and honestly on issues of integrity, academic honesty, behaviors, rights, and responsibilities.
11. The advisor ensures that a record of the advising notes is kept.

## Information Technology Services for Students

### IT Help Desk

The IT Help Desk assist students with troubleshooting and navigating FCC systems including Blackboard, myFCC email, and PeopleSoft. Other services include account management, password resets, and Wi-Fi access.

The IT Help Desk is located at Gambrill Hall, room G122.

#### Hours of operation:

- Walk-in: Monday-Thursday, 8:00 a.m. -5:00 p.m.
- Friday, 8:00 a.m. - 4:00 p.m.

Phone support available at 301.846.2509.

Online support available at [frederick.edu/studentsupport](http://frederick.edu/studentsupport) (<http://frederick.edu/studentsupport/>).

### Computer Labs

There are six open computer labs for student use around campus.

Location	Room	Hours
Disabilities Services Assistive Technologies Lab	Annapolis Hall (A-105)	Mon, 8:30am - 7:00pm Tue-Fri, 8:30am - 4:30pm
Gladhill Learning Commons	Linganore Hall (2nd Floor)	Mon-Thu, 7:45am - 7:00pm Fri, 8:30am - 4:00pm Sat, 12:00 - 3:00pm  See website for Summer/Interim hours
MAC Lab	Visual & Performing Arts Center (F-107)	Mon-Wed 9:00am - 7:00pm Thu-Fri 9:00am - 4:30pm Sat/Sun Closed
STEM Learning Center	Braddock Hall (B-212)	Mon-Thu, 9:00am - 7:00pm Fri, 11:00am - 4:00pm Sat/Sun, Closed
Open Lab	Student Center (H-200)	Mon-Thu, 8:30am - 9:00pm Fri-Sat, Open daytime

### Bess & Frank Gladhill Learning Commons

The Gladhill Learning Commons, located on the second floor of Linganore Hall, has computers for student use. Computers at the Learning Commons are equipped with Windows 10 and Microsoft Office 365 Suite.

### The Mac Lab

Located at Visual and Performing Arts Center, room F-107, is open to students enrolled in the Computer Graphics and Digital Photography classes. The lab offers color printing for a fee. Adobe's Creative Cloud software and other graphic design software is available. The open MAC Lab hours are only for students to conduct classwork. Inquires about the MAC lab can be directed to the MAC lab supervisor Michael Schlosser at 301.624.2873.

## Writing Requirements

FCC recognizes that the ability to write clearly and concisely is essential to the personal and professional success of all educated people. Therefore, the college is committed to providing instructional opportunities and services necessary to help achieve competence in writing.

Students can expect to write in any course offered by the college. Grades on papers in college courses will be influenced by the student's ability to meet minimal writing standards.

The minimal standards for written work submitted in all courses are as follows:

1. All written work must demonstrate skills in presenting material in a clear and logical manner.
2. All written work must demonstrate appropriate, college-level word choice.
3. All written work must demonstrate competence in grammar, punctuation and spelling.

# Registration & Records

## Mission Statement

As stewards of Frederick Community College's academic records, we ensure the accuracy, integrity, and security of those records. Our office provides efficient, convenient service to students, faculty, staff and visitors in a manner that is professional, ethical, and welcoming to all.

## Department Overview

Registration & Records serves students, faculty, and staff by performing a wide range of functions relating to student records and academic administration. Services related to credit enrollment, records, transcripts, and graduation are available.

Registration & Records is located within the Enrollment Center, located on the first floor of Jefferson Hall, J-101.

### Services available:

- Academic Clemency
- Adding a class
- Address changes
- Change of grade forms (for faculty)
- Course substitution forms (for faculty)
- Dropping/Withdrawing from a class
- Enrollment Verifications
- FERPA
- Graduation
- Name Changes
- Placement Test Exemptions
- Residency Changes
- Retroactive Withdrawal Appeal
- Transcripts (Out-going Official & Unofficial)
- Transfer Evaluation (Incoming transcripts)
- Tuition Refund Appeal
- Visiting Student Enrollment

## FERPA

Students may choose, after careful consideration, to release (or rescind) their records to a third party. This process must be completed in-person by the student.

## Graduation

FCC awards Associate degrees, Certificates, and Letters of Recognition (LORs) to those students who meet graduation requirements defined by the State of Maryland and prescribed in their FCC Catalog year of major. All students must complete and submit a graduation application either online through their student PeopleSoft account or by paper graduation application obtained at the Welcome Desk. Registration and Records is responsible for reviewing graduation applications and evaluating degree requirements to determine if a student meets graduation requirements. Degrees, Certificates, and LORs are awarded three (3) times a year with a conferral date of August, December, and May. The Registration and Records office post credentials to student records within 30 days after the conferral date. Diplomas and LORs are mailed to the home address of record in October, February, and July, after the credential is posted.

**\*\*Students must submit an Application for Graduation through their student PeopleSoft account or by paper application. If a student is**

submitting a graduation application for multiple credentials or a different major other than their current major, a paper application must be submitted.\*\*

### Directions to submit an online application:

1. MyFCC Student Portal
2. PeopleSoft Account
3. Student Homepage
4. Student Center tile
5. under Academics ~ "other academics" drop down menu
6. Select = Apply for Graduation
7. Complete PeopleSoft application and hit submit.

## August 2021 Graduation

- Confer Date: 8/30/2021
- Last day to apply: 8/1/2021
- Posting date (showing on transcript): No later than 9/30/21
- Diplomas mailed directly to students: end of October 2021

## December 2021 Graduation

- Confer Date: 12/30/2021
- Last day to apply: 12/1/2021
- Posting date (showing on transcript): No later than 1/30/22
- Diplomas mailed: end of February 2022

## May 2022 Graduation

- Confer Date/Commencement: 5/19/2022
- Last day to apply: 4/01/2022
- Posting date (showing on transcript): No later than 6/30/2022
- Diplomas mailed: end of July 2022

## Student Transcripts

### Official Transcripts

Students in good financial standing with the College may request official copies of their transcripts through the College's Parchment Services.

- Parchment Services is a secure digital credential service that provides students 24-hour convenience to order and send transcripts. This service provides immediate processing and a fee is required. Transcripts are sent as secure and encrypted electronic documents or by mail if specified. To find out more information and sending options visit <https://www.frederick.edu/current-students/transcript-services.aspx>.

### Unofficial Transcripts

Unofficial transcripts are available to current students through their PeopleSoft Student Portal or an unofficial transcript may be issued in person at Registration & Records. Students must show proof of identification to obtain an unofficial transcript. The unofficial transcript is printed on plain white paper and is not considered official for the purpose of transfer credit.

## Parking Stickers

Parking stickers are issued once registration is completed.

## Student ID

All students will be assigned a student identification number when they are admitted to FCC. ID cards are issued at Registration & Records once a

student has registered for credit courses. ID cards are required for library services, registration, and admission to college events.

## Transfer Evaluation

Students who earned credit at other institutions and/or in their military career should provide an official transcript to Registration & Records. Transcript evaluations to give placement test exemptions and/or transfer course credits are completed within 7-10 business days (longer during peak times). Students will receive an email to their MyFCC account when the evaluation is complete. For information related to the evaluation of incoming transcripts contact [transferevaluation@frederick.edu](mailto:transferevaluation@frederick.edu).

## Visiting Students

Take a class at FCC while you are on break to transfer back to your four-year college or university. Before applying for admission please review the steps online to ensure the classes you complete transfer back to your four-year college or university. Follow instructions at <https://www.frederick.edu/admissions/visiting-students.aspx>

## Welcome Desk

The Welcome Desk is the first point of contact for those visiting the college in person. All students must check-in at the Welcome Desk to visit Learning Support services in Jefferson Hall.

## Veterans and Military Services

The Frederick Community College Veteran and Military Services department offers academic and support services for veterans, active duty service members, and their family members enrolling into classes at FCC. We strive to provide a respectful and inclusive link for our returning veterans to become successful in civilian and college life. Our focus is on wellness and helping guide veterans to adapt the skills they developed from military training and combat experience to the classroom. We provide a "One-Stop-Shop" where veterans and families can get all needed information and assistance in one place.

## Department Overview

Frederick Community College (FCC) is approved by the Maryland Higher Education Commission (MHEC) for the training of eligible veterans, their dependents, and active duty personnel. FCC may certify enrollment to the United States Department of Veterans Affairs (VA) for approved programs of study. All veterans except for those using Chapter 31 and Post 9/11 Chapter 33 are responsible for paying tuition and fees by specified deadlines.

If you are unsure which type of VA education benefit you qualify for, you may contact the VA Call Center by phone at 1.888.442.4551 or visit the VA website at [www.gibill.va.gov](http://www.gibill.va.gov) (<http://www.gibill.va.gov>). You will need to provide your social security number (or that of your sponsor, if applying for benefits under a parent or spouse) when you make the call.

For more information, refer to Veterans and Military Services (p. 61).

# CENTER FOR STUDENT ENGAGEMENT

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## Mission Statement

The Center for Student Engagement at Frederick Community College provides an atmosphere on campus that invites and encourages all members of our campus community to celebrate the richness of the human experience. Through social programming, personal/professional leadership development, and the exploration of personal interests, the CSE promotes respect and appreciation among our students, faculty and staff for self and others and an understanding of our shared responsibility to create an environment that celebrates learning.

## Department Overview

At FCC we know your time in the classroom is only one part of your “college experience.” The Center for Student Engagement offers you exciting opportunities to interact with other students, cultivate your leadership skills in a variety of ways, and strengthen your knowledge and understanding of academic disciplines through applied co-curricular activities.

Student life incorporates much more than classroom instruction. As a supplement to the academic experience, the Center for Student Engagement offers students the opportunity to acquire or further develop leadership skills through participation in a broad array of co-curricular programs. Clubs and organizations on campus are as diverse as the student population, offering students the opportunity to participate in program events, meet students with similar interests, or simply enjoy quality entertainment both on and off campus.

Participation in leadership conferences and service projects provides students with hands-on experience and is a dynamic and vital component of student engagement. Information about leadership development, campus clubs and organizations, how to start a new club or organization and a current calendar of special events can be obtained by visiting the Center for Student Engagement, Student Center, or by calling 301.846.2488.

## Campus Clubs

Student clubs and organizations contribute to the development of the student and enrich campus life. FCC campus clubs and organizations are student generated and student run. While faculty advisors are on hand to assist with logistics, students program and direct all club activities and events. With over 30 student organizations currently recognized, there are social, recreational, and academic clubs that support almost any interest. If there is an interest in starting a new organization, students are welcome to stop by the Center for Student Engagement for information and support. A current list of all active clubs and organizations can be found in the Center for Student Engagement or on the FCC website under clubs and organizations.

## Community Service

With community as our middle name, FCC values opportunities to engage all learners in valuable service to others. Not only does volunteer service benefit the community, it builds outstanding skills and strong resume interest for engaged students. To support this active student engagement, the Center for Student Engagement houses a service learning center that provides volunteer and community service placement

opportunities for all members of our campus community. Whether you’ve been assigned a service learning project in a class or you simply want to give back to the community, placement opportunities are abundant. Students are welcome to utilize our free placement service to help match interest to need for a long-term community service commitment or simply stop by to participate in monthly service projects on campus. Regardless of the level of commitment to service, FCC’s Center for Student Engagement staff will work with you to find your perfect placement. Students who have received a Meritorious Service Certificate from a Frederick County Public School are invited to apply their meritorious service hours for recognition at FCC. The Center for Student Engagement acknowledges outstanding student service at the annual Recognition Awards Ceremony in May.

## Co-curricular Programs

Because FCC values the profound learning opportunities that exist outside of the classroom, programs, events and activities are specifically designed by a diverse planning team to give students an opportunity to relate academic subject matter to real life situations. These co-curricular programs serve as a complement to in-class instruction, and engage students in exciting, thought provoking, and multi-discipline activities. Students play a critical role in shaping these offerings by recommending workshops, lectures, trips, and experiences that enhance classroom knowledge and most faculty recognize the value of these learning opportunities by offering extra credit for student participation. Co-curricular events and activities are posted in the student/faculty calendar, which can be found in the Center for Student Engagement, or can be found on the FCC website under Events.

## Leadership Development

FCC values shared governance, meaning all members of the campus community have a voice in the decision-making process at FCC. The student voice is channeled through the Student Government Association, and every student on campus is considered a member by virtue of enrollment. While suggestions and opinions can be shared openly without organized involvement in SGA, opportunities exist for students who wish to take their leadership to the next level.

The SGA holds elections each year to solicit leadership on many levels. Officers are needed for service on all-college committees and task forces, leadership within campus clubs and organizations and within the SGA itself. No prior leadership experience is necessary, only the desire to make a difference, and the commitment to see the responsibility through.

Leadership is rewarded through nomination for national recognition, letters of recommendation, and resume interest. Students who are involved on campus are also highly sought after by four-year transfer institutions, local businesses, and community service providers.

To further support student leadership, FCC is a proud participant in the Maryland Community College Activities Directors Association and the Association of College Unions International. Through membership, student leaders participate in a series of high quality, state, regional and national leadership workshops, seminars, and retreats. These leadership experiences are underwritten by the Center for Student Engagement to further support and acknowledge volunteer service and leadership.

## Recognition and Awards

Celebration of achievement is one of our core values. Each May, at our annual Spring Recognition and Awards Ceremony, students are publicly recognized and lauded for academic achievement, volunteer

service, and campus leadership. Students may earn distinction for their contributions through faculty or staff nominations and may be eligible for nomination to several internationally recognized honors and awards programs such as Phi Theta Kappa International Honors Society; the USA Today Academic All Americans; and the United States Achievement Academy's Academic All American Scholars and Leaders. Specific criteria for national honors can be found in the Center for Student Engagement, in the student handbook, or on the FCC website under Student Life.

## Graduation Awards

During Commencement week, numerous awards are made by various organizations in recognition of outstanding achievement by the year's graduates. Among those of recent years have been the following:

- Dr. Patricia Stanley Exemplary Community Service and Leadership Award
- Dr. Lee John Betts Student Leadership Award
- Marjorie Betts Citizenship and Family Award
- Dr. Henry P. and M. Page Laughlin Annual Distinguished Scholarship Award
- Phyllis Hamilton Award for Academic Excellence in English Literature
- Lindblad/Longman "We Are One" Award
- Award for Academic Excellence in the Business Transfer Curriculum
- Award for Academic Excellence in the Business Career Curriculum
- Career & Technology Awards
- Frederick Woman's Civic Club Award for Academic Excellence in History
- Martin Kalmar Award for Academic Excellence in Mathematics

## Student Government Association

The student government association (SGA) is designed to represent student opinions and concerns on campus. SGA is the students' voice on issues concerning campus life and a relay system of information between college committees and the general student body. Leadership opportunities exist for students interested in serving as officers to the student government association and/or students wishing to take part in campus-wide committees and task forces. The executive committee of the SGA consists of president, vice president for public relations, vice president for administration, vice president of communications, and vice president of finance. Students interested in leadership positions are invited to stop by the SGA office, H-106.

An essential component to the success of the SGA is active participation in the college governance process. The SGA appoints interested students to serve as representatives to the college senate and college-wide committees and task forces. While previous student government experience is helpful, all students with interest, commitment and enthusiasm are encouraged to participate. In addition to the leadership skills student representatives develop, indication of active participation is always an excellent highlight on résumés and applications for admission to four-year colleges.

## Student Publications

Frederick Community College has two major student publications. *The Commuter* is the college's student newspaper and the *Tuscarora Review* is the magazine of the creative arts.

The FCC Commuter is a student publication and is a designated forum for student voice and opinion on campus events and related issues. The FCC Commuter is also a co-curricular program working cooperatively

with FCC journalism classes. However, all students are welcome to work on the paper regardless of previous experience. Working on the paper offers practical experience for writers, photographers, graphic designers, marketers and public relations students.

For more information, contact the advisor, Karen Gardner at [kgardner@frederick.edu](mailto:kgardner@frederick.edu).

The *Tuscarora Review* consists of literary (poetry, fiction, essay, one-act plays) and fine arts (ceramics, mixed-media, 2D and 3D art, graphic design) contributions from students and staff. The *Tuscarora Review* has recently won several national awards. Student contributions are encouraged. For more information, contact Ramon Jones at [rajones@frederick.edu](mailto:rajones@frederick.edu).

## Voter Registration

Frederick Community College encourages all students, faculty, and staff to exercise their privilege and right to vote in national and local elections. Voter registration forms are available in the Center for Student Engagement (Student Center, H-101), or in Registration and Records (Jefferson Hall).

## Wellness

FCC promotes wellness in both its students and staff through on-going programming and access to healthy exercise programs. The weight room is open day and evening hours for all registered students, faculty and staff. Assistance in developing programs to help with cardiovascular and muscular functions is also available. FCC offers courses in yoga, aerobics, weight training, tennis, golf, volleyball, and fencing, along with fitness for living and health education theory courses.

For more information on any of the above student life programs, students should contact the Center for Student Engagement at 301.624.2793.

# CAMPUS LIFE

## Bookstore

The Bookstore at FCC is open year round Monday through Friday. As hours may change, see our website ([bookstore.frederick.edu](http://bookstore.frederick.edu) (<http://bookstore.frederick.edu>)) for exact hours. The Bookstore is closed when the college is closed.

The Bookstore sells course materials, school and art supplies, backpacks, culinary and allied health uniforms and equipment, clothing, gifts, greeting cards, bus passes and much more.

Course materials and other merchandise can be ordered through our website and can be shipped to you or held for pick up in the store. The Bookstore accepts cash, checks (no starter checks), VISA, MasterCard, Discover, American Express, and charges to financial aid.

The Bookstore has a payment plan available for all students enrolled in the tuition payment plan.

At the end of each semester a textbook buyback is offered. You may be offered money for books you do not wish to keep. Visit our website for dates and times of buyback.

## Campus Security

FCC places a high priority on maintaining a safe, secure learning and working environment. The security office (Student Center, H-116) is committed to the safety and welfare of all students, employees, and visitors. For safety and protection, security staff are on campus 24/7. Exterior emergency help phones are located adjacent to sidewalks of parking lots (#1–Bus stop, #2–lot 1, #3–lot 3, #4–lot 4, #5–lot 6, #6–lot 7 south, #7–lot 7 north, #8–lot 9, #9–lot 10, #10–lot 11 north, #11–lot 14 north, #12–lot 14 south).

Press the button and security will respond immediately. Help phones are throughout all buildings; they may be used to dial campus numbers only. Call 2453 for the security office.

## Campus Crime Report

In compliance with Title II of the Crime Awareness and Campus Security Act of 1990, information related to crime statistics and security measures is posted throughout the college and is available to students in the most current Student Handbook and on the college's Internet website. Individuals may also request a paper copy of either the college safety and security policies or campus crime statistics at the college security office located in the Student Center 301.846.2453). The report contains information about campus security issues and ways students and staff can help ensure their personal safety. It also contains statistics on crime rates for the past three years.

## College Closing

Note: In the absence of an announcement, Frederick Community College is open and operating under normal schedules. FCC does not follow the same schedule as Frederick County Public Schools or county government.

If and when FCC is closed due to inclement weather, hazardous road conditions, emergencies, or unforeseen circumstances, incidents, the College is committed to notifying all students and employees as quickly as possible.

The best way to receive up-to-date information about College closings, delays, or emergencies is to subscribe to FCC Alerts. Users will receive a text message or email notification. Register at [www.frederick.edu/fccalert](http://www.frederick.edu/fccalert) (<http://www.frederick.edu/fccalert/>).

## Communication of College Closings/Delays

- College Information Center: 301.846.2400
- FCC Alert text message (you must register at [www.frederick.edu/fccalert](http://www.frederick.edu/fccalert)) (<http://www.frederick.edu/fccalert/>)
- FCC Web site: [www.frederick.edu](http://www.frederick.edu) (<http://www.frederick.edu>)

## Broadcast Media

*Radio:*

- WFMD (AM 930)
- WFRE (FM 99.9)
- WAFY (FM 103.1)
- WARX (FM 106.9)
- WTOP (FM 103.5)

*Television:*

- NEWS 4 (Ch. 4)
- News Channel 8
- ABC (Ch. 7)
- WBAL (Ch. 11)
- WUSA-TV (Ch. 9)
- WDVM-TV (Ch. 25)
- WJZ-TV (Ch. 13)
- WTTG FOX-5 (Ch. 5)

## Social Media

- Twitter: [www.twitter.com/frederickcc](http://www.twitter.com/frederickcc) (<http://www.twitter.com/frederickcc/>)
- Facebook: [www.facebook.com/frederickcommunitycollege](http://www.facebook.com/frederickcommunitycollege) (<http://www.facebook.com/frederickcommunitycollege/>)

## College Information Center

The College Information Center supports all offices of the college by answering the switchboard and providing information to all callers and visitors to campus. In addition, the Information Center can assist students with applications to the college, registration activities, and transcript requests.

## Dining Services

Dining Services is comprised of:

- The Cougar Grille
- Smooth Joe's
- College Catering Services
- College Vending Services

Contact Information:

Peter Lee, Business Manager

Phone: 301.624.2738

Email: [diningservices@frederick.edu](mailto:diningservices@frederick.edu)

Website: [frederick.edu/student-resources/dining-services-catering.aspx](http://frederick.edu/student-resources/dining-services-catering.aspx)

## The Cougar Grille

The Cougar Grille features breakfast and lunch, and offers fresh, made-to-order breakfast and deli sandwiches, pizza, a full-service grill, a Sushi chef, soup and salad bar and various hot feature.

Visit [frederick.edu/student-resources/dining-services-catering.aspx](http://frederick.edu/student-resources/dining-services-catering.aspx) for hours and additional information.

## Smooth Joe's

Smooth Joe's features hot specialty drinks, coffee cold drinks, and various Grab n' Go salad, baked goods, parfaits, and fruit cup options.

Visit [frederick.edu/student-resources/dining-services-catering.aspx](http://frederick.edu/student-resources/dining-services-catering.aspx) for hours and additional information.

## FCC Meal Cards

FCC Meal Cards are declining balance cards that may be used for purchases at The Cougar Grille and Smooth Joe's. Balances carry over from the first semester to the second semester automatically. All balances expire at midnight on June 30th of each school year. There are no refunds.

FCC Meal Cards may be purchased at the Cougar Grille, Smooth Joe's, and online.

Eligible students may purchase meal cards using financial aid through the Bookstore during the first few weeks of each semester (certain restrictions apply).

Visit [frederick.edu/student-resources/dining-services-catering.aspx](http://frederick.edu/student-resources/dining-services-catering.aspx) for additional information or to purchase FCC Meal Cards online.

## College Catering Services

College Catering Services provides catering services to the college community through outstanding quality and choice of food with excellent customer service.

Visit [frederick.edu/student-resources/dining-services-catering.aspx](http://frederick.edu/student-resources/dining-services-catering.aspx) for additional information.

## College Vending Services

College Vending Services are managed by Dining Services and are serviced by VendingPlus, Inc.

College vending machine locations:

- Annapolis Hall, TBD
- Athletics Center, on the right when entering through the main entrance
- Braddock Hall, 1st floor between Braddock and Annapolis Halls
- Catoctin Hall, TBD
- Conference Center, vending nook off the main lobby toward Sweadner Hall
- Gambrill Hall, 2nd floor conference room
- Jefferson Hall, TBD
- Linganore Hall, 1st floor main lobby and 1st floor vending nook
- Monroe Center, to the right of the lobby restrooms and in the rear student lounge

- Student Center, 1st floor near the student lounge and 2nd floor vending nook
- Visual and Performing Arts Center, main corridor vending nook

## Photo ID and Parking

### Photo ID

Students get their ID cards in the Registration & Records Office, located in Jefferson Hall. ID cards are used by dining services, library services, the Testing Center, and must be shown when doing business with the college (e.g., picking up transcripts, paying bills, etc.).

### Parking

All enrolled students may get a parking sticker, at no cost, in the Registration & Records Office, Jefferson Hall. Students may park in any space not designated as staff parking or other unauthorized spaces such as handicapped or reserved spaces. Students parking in unauthorized spaces will be issued citations and vehicles parked illegally, disrupting traffic flow, or creating a safety hazard will be towed at the owner's expense. In addition to our many parking lots, FCC has a three-story, 350-space parking deck for students.

# FREDERICK COMMUNITY COLLEGE POLICIES AND PROCEDURES

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The Board of Trustees is the governing body of Frederick Community College responsible for approving all College policies. The Board has the responsibility to guarantee the integrity of the College, ensure that effective policies are established, and to entrust the administration of those policies to the President.

The Board of Trustees approved policies listed below are reviewed annually and revised when necessary. Review and revision dates are noted on each policy. These policies help the College accomplish its mission, support equity and fairness, and maintain accountability.

The Academic Catalog includes the full text of certain policies and procedures that provide necessary context in the areas of admissions, academic assessment, academic standards, residency, and tuition and fees. Visit [frederick.edu](https://frederick.edu/jobs-hr/policies-and-procedures.aspx) (<https://frederick.edu/jobs-hr/policies-and-procedures.aspx>) for a full list of College Policies and Procedures, including those that are currently in place, those that are under review, and those that have been repealed.

**Note: The College's official versions of the Policies and Procedures are located on [frederick.edu](https://frederick.edu/jobs-hr/policies-and-procedures.aspx) (<https://frederick.edu/jobs-hr/policies-and-procedures.aspx>) and may be revised annually. The Academic Catalog is effective June 1, coinciding with the start of the academic year which begins with the summer semester, however, revised College Policies and Procedures are effective July 1, coinciding with the start of the College's fiscal year.**

- Academic Assessment and Placement Policy and Procedures (p. 21)
- Academic Standards Policy and Procedures (p. 232)
- Admissions Policy and Procedures (p. 13)
- Alcohol, Tobacco, Opioids, and Other Drug Use and Awareness Policy and Procedures ([https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/alcohol\\_tobacco\\_opioid\\_otherdruguse\\_awareness.aspx](https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/alcohol_tobacco_opioid_otherdruguse_awareness.aspx))
- Code of Conduct for Visitors, Guests, and Volunteers (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/visitor-code-of-conduct.aspx>)
- Code of Student Conduct Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/code-of-student-conduct.aspx>)
- College-Sponsored Student Publications Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/college-sponsored-student-publications.aspx>)
- College Travel and Transportation Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/college-travel-transportation-policy-procedures.aspx>)
- Complaint Policy and Procedure for Students (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/complaint-policy-procedure-for-students.aspx>)
- Determination of Residence for Tuition Purposes Policy and Procedures (<http://frederick-public.courseleaf.com/tuition-fees/residency-policy-procedures/>)
- Inclement Weather/College Closing Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/inclement-weather.aspx>)
- Intellectual Property Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/intellectual-property.aspx>)
- Non-Discrimination Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/non-discrimination.aspx>)
- Privacy and Access to Education Records Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/ferpa.aspx>)
- Public Information Requests Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/public-information-requests.aspx>)
- Solicitation Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/solicitation.aspx>)
- Student Personal Electronic Account Privacy Policy (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/student-personal-account-privacy.aspx>)
- Student Withdrawal Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/student-withdrawal.aspx>)
- Technology Use Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/technology-use.aspx>)
- Title IX Sexual Harassment Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/titleix.aspx>)
- Tuition and Fees Policy and Procedures (p. 51)
- Use of Facilities Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/use-of-facilities.aspx>)
- Video Monitoring of College Premises Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/video-monitoring.aspx>)
- Weapons Policy and Procedures (<https://frederick.edu/jobs-hr/policies-and-procedures/policyproceduredocuments/weapons-policy-and-procedures-final.aspx>)

# MHEC TRANSFER POLICIES

## Title 13B Maryland Higher Education Commission

Subtitle 06 General Education and Transfer Chapter 01 Public Institutions of Higher Education. Authority: Education Article, §11-105(u) and 11-207 and Title 11, Subtitle 2, Annotated Code of Maryland

### .01 Scope and Applicability.

This chapter applies only to public institutions of higher education.

### .02 Definitions.

A. In this chapter, the following terms have the meanings indicated.

B. Terms Defined.

1. "A.A. degree" means the Associate of Arts degree.
2. "A.A.S. degree" means the Associate of Applied Sciences degree.
3. "A.A.T. degree" means the Associate of Arts in Teaching degree.
4. "A.F.A. degree" means the Associate of Fine Arts degree.
5. "Arts" means courses that examine aesthetics and the development of the aesthetic form and explore the relationship between theory and practice.
6. "A.S. degree" means the Associate of Sciences degree.
7. "A.S.E. degree" means the Associate of Science in Engineering degree.
8. "Associate's degree" includes an:
  - a. A.A. degree;
  - b. A.S. degree;
  - c. A.A.S. degree;
  - d. A.A.T. degree;
  - e. A.F.A. degree; and
  - f. A.S.E. degree.
9. "Biological and physical sciences" means courses that examine living systems and the physical universe. They introduce students to the variety of methods used to collect, interpret, and apply scientific data, and to an understanding of the relationship between scientific theory and application.
10. "Cumulative grade point average" means the average of grades received for completed coursework at all institutions attended.
11. "English composition courses" means courses that provide students with communication knowledge and skills appropriate to various writing situations, including intellectual inquiry and academic research.
12. "General education" means the foundation of the higher education curriculum providing a coherent intellectual experience for all students.
13. "General education program" means a program that is designed to:
  - a. Introduce undergraduates to the fundamental knowledge, skills, and values that are essential to the study of academic disciplines;
  - b. Encourage the pursuit of life-long learning; and
  - c. Foster the development of educated members of the community and the world.

14. "Humanities" means courses that examine the values and cultural heritage that establish the framework for inquiry into the meaning of life.
15. "Mathematics" means courses that provide students with numerical, analytical, statistical, and problem-solving skills.
16. "Native student" means a student whose initial college enrollment was at a given institution of higher education and who has not transferred to another institution of higher education since that initial enrollment.
17. "Parallel program" means the program of study or courses at one institution of higher education that has parallel courses and comparable objectives as those at another higher education institution, for example, a transfer program in psychology in a community college is definable as a parallel program to a baccalaureate psychology program at a 4-year institution of higher education.
18. "Receiving institution" means the institution of higher education at which a transfer student currently desires to enroll.
19. "Recommended transfer program" means a planned program of courses, both general education and courses in the major, taken at a community college, which is applicable to a baccalaureate program at a receiving institution, and ordinarily the first half of the baccalaureate degree.
20. "Reverse transfer" means a process whereby credits that a student earns at any public senior higher education institution in the State toward a bachelor's degree are transferrable to any community college in the State for credit toward an associate's degree.
21. "Sending institution" means the institution of higher education of most recent previous enrollment by a transfer student at which transferable academic credit was earned.
22. "Social and behavioral sciences" means courses that are concerned with the examination of society and the relationships among individuals within a society.
23. "Transfer student" means a student entering an institution for the first time having successfully completed a minimum of 12 semester hours at another institution that are applicable for credit at the institution the student is entering.

### .02-1 Admission of Transfer Students to Public Institutions.

A. Admission to Institutions.

1. Subject to §B of this regulation, a student attending a public institution who has completed an associate's degree or who has completed 60 or more semester hours of credit, may not be denied direct transfer to another public institution if the student attained a cumulative grade point average of at least 2.0 on a 4.0 scale or its equivalent at the sending institution, except as provided in §A(4) of this regulation.
2. Subject to §B of this regulation, a student attending a public institution who has not completed an associate's degree or who has completed fewer than 60 semester hours of credit, is eligible to transfer to a public institution regardless of the number of credit hours earned if the student:
  - a. Satisfied the admission criteria of the receiving public institution as a high school senior; and
  - b. Attained at least a cumulative grade point average of 2.0 on a 4.0 scale or its equivalent at the sending institution.

3. Subject to §B of this regulation, a student attending a public institution who did not satisfy the admission criteria of a receiving public institution as a high school senior, but who has earned sufficient credits at a public institution to be classified by the receiving public institution as a sophomore, shall meet the stated admission criteria developed and published by the receiving public institution for transfer.
  4. If the number of students seeking admission exceeds the number that can be accommodated at a receiving public institution, admission decisions shall be:
    - a. Based on criteria developed and published by the receiving public institution on the institution's website; and
    - b. Made to provide fair and equal treatment for native and transfer students.
- B. Admission to Programs.**
1. A receiving public institution may require additional program admission requirements to some programs if the standards and criteria for admission to the program:
    - a. Are developed and published by the receiving public institution; and
    - b. Maintain fair and equal treatment for native and transfer students.
  2. Courses taken at a public institution as part of a recommended transfer program leading toward a baccalaureate degree shall be applicable to related programs at a receiving public institution granting the baccalaureate degree.
- C. Receiving Institution Program Responsibility.**
1. The faculty of a receiving public institution is responsible for development and determination of the program requirements in major fields of study for a baccalaureate degree, including courses in the major field of study taken in the lower division.
  2. A receiving public institution may set program requirements in major fields of study which simultaneously fulfill general education requirements.
  3. A receiving public institution, in developing lower division course work, shall exchange information with other public institutions to facilitate the transfer of credits into its programs.
  4. A receiving public institution shall ensure that any changes to program standards and criteria for admission and the transfer of credits maintain the fair and equal treatment of native and transfer students, and are communicated in a timely manner.
- c. Biological and physical sciences,
  - d. Mathematics, and
  - e. English composition; or
2. Conforming with COMAR 13B.02.02.16D(2)(b)–(c).
- B. Each core course used to satisfy the distribution requirements of §A(1) of this regulation shall carry at least 3 semester hours.**
- C. General education programs of public institutions shall require at least:**
1. Two courses in arts and humanities;
  2. Two courses in social and behavioral sciences;
  3. Two science courses, at least one of which shall be a laboratory course;
  4. One course in mathematics, having performance expectations demonstrating a level of mathematical maturity beyond the Maryland College and Career Ready Standards in Mathematics (including problem-solving skills, and mathematical concepts and techniques that can be applied in the student's program of study); and
  5. One course in English composition, completed with a grade of C- or better.
- D. Institution-Specific Requirements.**
1. In addition to the five required areas in §A of this regulation, a public institution may include up to 8 semester hours in course work outside the five areas. These courses may be integrated into other general education courses or may be presented as separate courses. Examples include, but are not limited to, Health, Diversity, and Computer Literacy.
  2. Public institutions may not include the courses in this section in a general education program unless they provide academic content and rigor equivalent to the areas in §A(1) of this regulation.
- E. General education programs leading to the A.A.S. degree shall include at least 18 semester hours from the same course list designated by the sending institution for the A.A. and A.S. degrees. The A.A.S. degree shall include at least one 3-semester-hour course from each of the five areas listed in §A(1) of this regulation.**
- F. A course in a discipline listed in more than one of the areas of general education may be applied only to one area of general education.**
- G. A public institution may allow a speech communication or foreign language course to be part of the arts and humanities category.**
- H. Composition and literature courses may be placed in the arts and humanities area if literature is included as part of the content of the course.**
- I. Public institutions may not include physical education skills courses as part of the general education requirements.
  - J. General education courses shall reflect current scholarship in the discipline and provide reference to theoretical frameworks and methods of inquiry appropriate to academic disciplines.
  - K. Courses that are theoretical may include applications, but all applications courses shall include theoretical components if they are to be included as meeting general education requirements.
  - L. Notwithstanding §A(1) of this regulation, a public 4-year institution may require 48 semester hours of required core courses if courses upon which the institution's curriculum is based carry 4 semester hours.
  - M. Public institutions shall develop systems to ensure that courses approved for inclusion on the list of general education courses are

## **.03 General Education Requirements for Public Institutions.**

- A. While public institutions have the autonomy to design their general education program to meet their unique needs and mission, that program shall conform to the definitions and common standards in this chapter, and incorporate the general education knowledge and skills required by the Middle States Commission on Higher Education Standards for Accreditation. No later than August 1, 2017, a public institution shall satisfy the general education requirement by:**
1. Requiring each program leading to the A.A. or A.S. degree to include not less than 28 and not more than 36 semester hours, and each baccalaureate degree program to include not less than 38 and not more than 46 semester hours of required core courses, with the core requiring, at a minimum, course work in each of the following five areas:
    - a. Arts and humanities,
    - b. Social and behavioral sciences,

designed and assessed to comply with the requirements of this chapter.

## .04 Transfer of Education Program Credit.

- A. Transfer of Credit to Another Public Institution.
- Credit earned at any public institution in the State is transferable to any other public institution if the:
    - Credit is from a college or university parallel course or program;
    - Grades in the block of courses transferred average 2.0 or higher; and
    - Acceptance of the credit is consistent with the policies of the receiving institution governing native students following the same program.
  - If a native student's "D" grade in a specific course is acceptable in a program, then a "D" earned by a transfer student in the same course at a sending institution is also acceptable in the program. Conversely, if a native student is required to earn a grade of "C" or better in a required course, the transfer student shall also be required to earn a grade of "C" or better to meet the same requirement.
- B. Credit Earned in or Transferred From a Community College.
- Except as provided in §B(5) of this regulation, at least 60 credits but not more than 70 credits of general education, elective, and major courses that a student earns at any community college in the State toward a degree at a community college shall be transferrable to any public senior higher education institution in the State for credit toward a bachelor's degree.
  - To be transferrable, a credit shall have been earned in accordance with the student's degree plan.
  - Courses taken at a public institution as part of a recommended transfer program leading toward a baccalaureate degree shall be applicable to related programs at the receiving public institution granting the degree if successfully completed in accordance with the receiving institution's policies governing native students in the same program.
  - Students earning an A.A.S. or A.F.A. degree shall have their credits evaluated in a manner that maximizes the transfer of articulated and elective credit.
  - A community college and a public senior higher education institution may provide in an articulation agreement for the transfer of credits in addition to credits transferred under §B(1) of this regulation.
- C. Nontraditional Credit.
- The assignment of credit for AP, CLEP, or other nationally recognized standardized examination scores presented by transfer students is determined according to the same standards that apply to native students in the receiving institution, and the assignment shall be consistent with the State minimum requirements.
  - Transfer of credit from the following areas shall be consistent with COMAR 13B.02.02. and shall be evaluated by the receiving institution on a course-by-course basis according to the same standards that apply to native students at the receiving institution:
    - Technical courses from career programs;
    - Course credit awarded through articulation agreements with other segments or agencies, which should be developed in collaboration with all public institutions, including
      - course credit awarded by articulation with Maryland public secondary schools;
      - Credit awarded for clinical practice or cooperative education experiences;
      - Credit awarded for life and work experiences; and
      - Credit awarded for training, coursework, or education through the military.
  - The basis for the awarding of the credit shall be indicated on the student's transcript by the receiving institution.
  - The receiving institution shall inform a transfer student of the procedures for validation of course work for which there is no clear equivalency. Examples of validation procedures include ACE recommendations, portfolio assessment, credit through challenge, examinations, and satisfactory completion of the next course in sequence in the academic area.
  - The receiving baccalaureate degree-granting institution shall use validation procedures when a transferring student successfully completes a course at the lower-division level that the receiving institution offers at the upper-division level. The validated credits earned for the course shall be substituted for the upper-division course.
- D. Program Articulation.
- Recommended transfer programs shall be developed through collaboration between the sending and receiving institutions. A recommended transfer program represents an agreement between the two institutions that allows students aspiring to the baccalaureate degree to plan for seamless transfer. These programs constitute freshman/sophomore level course work to be taken at the community college in fulfillment of the receiving institution's lower division course work requirement.
  - Recommended transfer programs in effect at the time that this regulation takes effect, which conform to this chapter, may be retained.
- E. Reverse Transfer of Credit
- Subject to §E(2) of this regulation, a community college shall accept for reverse transfer any credits that an individual earned at a public senior institution up to 45 credits. Credits in excess of 45 credits may be accepted in accordance with the community college's policy.
  - To be eligible for the transfer of credit under §E(1) of this regulation, a student shall have completed at least 15 credits at the community college to which the credits are transferred.
  - Community colleges and public senior institutions shall develop a process to identify students eligible for reverse transfer at no cost to the student.
- F. Transfer of General Education Credit
- A student transferring to one public institution from another public institution shall receive general education credit for work completed at the student's sending institution as provided by this chapter.
  - A completed general education program shall transfer without further review or approval by the receiving institution and without the need for a course-by-course match.
  - Courses that are defined as general education by one institution shall transfer as general education even if the receiving institution does not have that specific course or has not designated that course as general education.
  - A Maryland community college shall accept 28–36 credits of general education as specified in Regulation .03(C) of this

chapter as completion of the general education requirements at the community college, without further review or the need for a course-by-course match.

5. The receiving institution shall give lower-division general education credits to a transferring student who has taken any part of the lower-division general education credits described in Regulation .03 of this chapter at a public institution for any general education courses successfully completed at the sending institution.
6. Except as provided in Regulation .03M of this chapter, a receiving institution may not require a transfer student who has completed the requisite number of general education credits at any public college or university to take, as a condition of graduation, more than 10–18 additional semester hours of general education and specific courses required of all students at the receiving institution, with the total number not to exceed 46 semester hours. This provision does not relieve students of the obligation to complete specific academic program requirements or course prerequisites required by a receiving institution.
7. Each public institution shall designate on or with the student transcript those courses that have met its general education requirements, as well as indicate whether the student has completed the general education program.
8. Associate's Degrees.
  - a. While there may be variance in the numbers of hours of general education required for associate's degrees at a given institution, the courses identified as meeting general education requirements for all degrees shall come from the same general education course list and exclude technical or career courses.
  - b. A student possessing an associate's degree who transfers into a receiving institution with fewer than the total number of general education credits designated by the receiving institution shall complete the difference in credits according to the distribution as designated by the receiving institution. Except as provided in Regulation .03M of this chapter, the total general education credits for baccalaureate degree-granting public receiving institutions may not exceed 46 credits.
9. Student Responsibilities. A student is held:
  - a. Accountable for the loss of credits that:
    - i. Result from changes in the student's selection of the major program of study;
    - ii. Were earned for remedial course work; or
    - iii. Exceed the total course credits accepted in transfer as allowed by this chapter; and
  - b. Responsible for meeting all requirements of the academic program of the receiving institution.

## **.05 Academic Success and General Well-Being of Transfer Students.**

- A. Sending Institutions.
  1. Community colleges shall encourage their students to complete the associate degree in a recommended transfer program that includes both general education courses and courses applicable toward the program at the receiving institution.
  2. Community college students are encouraged to choose as early as possible the institution and program into which they expect to transfer.

3. The sending institution shall:
  - a. Provide to community college students information about the specific transferability of courses and programs to 4-year colleges;
  - b. Transmit information about transfer students who are capable of honors work or independent study to the receiving institution; and
  - c. Promptly supply the receiving institution with all the required documents if the student has met all financial and other obligations of the sending institution for transfer.
- B. Receiving Institutions.
  1. Admission requirements and curriculum prerequisites shall be stated explicitly in institutional publications.
  2. A receiving institution shall admit transfer students from newly established public colleges that are functioning with the approval of the Maryland Higher Education Commission on the same basis as applicants from regionally accredited colleges.
  3. A receiving institution shall evaluate the transcript or transcripts of a degree-seeking transfer student as expeditiously as possible, and notify the student of the results within 20 working days of the receipt of all official transcripts. The receiving institution shall inform a student of the courses that are acceptable for transfer credit and the courses that are applicable to the student's intended program of study.
  4. A transfer student shall be provided the same opportunity as a native student to pursue the program and degree requirements that were in effect at the time that the student enrolled at the sending institution provided they have been continuously enrolled and otherwise meet the same requirements of the native student.

## **.06 Programmatic Currency.**

- A. Maryland public institutions shall collaborate to develop and provide to students current and accurate information on transferable programs and courses.
- B. Upon approval of new baccalaureate programs, recommended transfer programs shall be developed with each community college.
- C. When considering curricular changes, institutions shall notify each other of the proposed changes that might affect transfer students. An appropriate mechanism shall be created to ensure that both 2-year and 4-year public colleges provide input or comments to the institution proposing the change. Sufficient lead time shall be provided to effect the change with minimum disruption. Transfer students are not required to repeat equivalent course work successfully completed at a community college.

## **.07 Transfer Mediation Committee.**

- A. Sending and receiving institutions that disagree on the transferability of general education courses as defined by this chapter shall submit their disagreements to the Secretary, who shall appoint a Transfer Mediation Committee to adjudicate the disagreement. Members appointed to the Transfer Mediation Committee shall be representative of the public 4-year colleges and universities and the community colleges.
- B. The Transfer Mediation Committee shall address general education issues at the course or curricular level, not individual student cases. As appropriate, the Committee shall consult with faculty on curricular issues.

- C. The findings of the Transfer Mediation Committee are considered binding on both parties.

## .08 Appeal Process.

- A. Notice of Denial of Transfer Credit by a Receiving Institution.
1. Except as provided in §A(2) of this regulation, a receiving institution shall inform a transfer student in writing of the denial of transfer credit not later than mid-semester of the transfer student's first semester, if all official transcripts have been received at least 15 working days before mid-semester.
  2. If transcripts are submitted after 15 working days before mid-semester of a student's first semester, the receiving institution shall inform the student of credit denied within 20 working days of receipt of the official transcript.
  3. A receiving institution shall include in the notice of denial of transfer credit:
    - a. A statement of the student's right to appeal; and
    - b. A notification that the appeal process is available in the institution's catalog.
  4. The statement of the student's right to appeal the denial shall include notice of the time limitations in §B of this regulation.
- B. A student believing that the receiving institution has denied the student transfer credits in violation of this chapter may initiate an appeal by contacting the receiving institution's transfer coordinator or other responsible official of the receiving institution within 20 working days of receiving notice of the denial of credit.
- C. Response by Receiving Institution.
1. A receiving institution shall:
    - a. Establish expeditious and simplified procedures governing the appeal of a denial of transfer of credit; and
    - b. Respond to a student's appeal within 10 working days.
  2. An institution may either grant or deny an appeal. The institution's reasons for denying the appeal shall be consistent with this chapter and conveyed to the student in written form.
  3. Unless a student appeals to the sending institution, the written decision in §C(2) of this regulation constitutes the receiving institution's final decision and is not subject to appeal.
- D. Appeal to Sending Institution.
1. If a student has been denied transfer credit after an appeal to the receiving institution, the student may request the sending institution to intercede on the student's behalf by contacting the transfer coordinator of the sending institution.
  2. A student shall make an appeal to the sending institution within 10 working days of having received the decision of the receiving institution.
- E. Consultation Between Sending and Receiving Institutions.
1. Representatives of the two institutions shall have 15 working days to resolve the issues involved in an appeal.
  2. As a result of a consultation in this section, the receiving institution may affirm, modify, or reverse its earlier decision.
  3. The receiving institution shall inform a student in writing of the result of the consultation.
  4. The decision arising out of a consultation constitutes the final decision of the receiving institution and is not subject to appeal.

## .09 Periodic Review.

- A. Report by Receiving Institution.
1. A receiving institution shall report annually the progress of students who transfer from 2-year and 4-year institutions within the State to each community college and to the Secretary of the Maryland Higher Education Commission.
  2. An annual report shall include ongoing reports on the subsequent academic success of enrolled transfer students, including graduation rates, by major subject areas.
  3. A receiving institution shall include in the reports comparable information on the progress of native students.
- B. Transfer Coordinator. A public institution of higher education shall designate a transfer coordinator, who serves as a resource person to transfer students at either the sending or receiving campus. The transfer coordinator is responsible for overseeing the application of the policies and procedures outlined in this chapter and interpreting transfer policies to the individual student and to the institution.
- C. The Maryland Higher Education Commission shall establish a permanent Student Transfer Advisory Committee that meets regularly to review transfer issues and recommend policy changes as needed. The Student Transfer Advisory Committee shall address issues of interpretation and implementation of this chapter.

# STAFF LISTING

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**Wendell Poindexter (1988)**

*Professor, Program Manager, Art; Arts Center Director*  
B.F.A., Maryland Institute College of Art. M.A., University of Baltimore

**Michael Powell (1987)**

*Professor, History*  
B.A., University of North Carolina at Chapel Hill. M.A., The George Washington University. J.D., Syracuse University. Ph.D., University of Maryland

**Savita Prabhakar (2020)**

*Assistant Professor, Program Manager, Biotechnology*  
B.S., Delhi University. M.S., MS University. Ph.D., All India Institute of Medical Sciences

**Leslie Puzio (2015)**

*Assistant Professor, Program Manager, American Sign Language (ASL) & ASL Interpreting*  
B.A., M.P.A., Ashford University

**R****Christine Rai (2014)**

*Assistant Professor, English*  
A.A., Frederick Community College. B.S., Towson University. M.A., Loyola University

**Mary Rolle (1998)**

*Assistant Professor, Criminal Justice*  
B.S., Towson State University. M.A., Hood College

**S****Jason Santelli (2004)**

*Associate Professor, Program Manager, Film & Video Production*  
B.F.A., M.A., Savannah College of Art and Design

**Jill Schultz (2001)**

*Professor, Social Science*  
B.A., M.A., California State University, Northridge. Ph.D., University of Maryland

**Francis "Frank" Seidel (1992)**

*Professor, Computer Information Sciences*  
B.S., M.B.A., Mount Saint Mary's University. M.S.E., Johns Hopkins University

**Shane Sellers (2006)**

*Assistant Professor, Art*  
B.F.A., Frostburg State University. M.F.A., University of Massachusetts, Amherst

**Julie Shattuck (1998)**

*Professor, English*  
B.A., Birmingham University, U.K.. M.A., Lancaster University, U.K.. Ed.D., Athabasca University

**John Sheldon (1976)**

*Professor, Psychology*  
B.A., Edinboro University of Pennsylvania. M.A., Hood College. M.Ed., D. Ed., Pennsylvania State University

**Patricia Sheppard (2015)**

*Assistant Professor, Biology*  
B.S., New England College. M.S., Shippensburg University

**Shemica Sheppard (2012)**

*Associate Professor, Developmental English*  
A.A., Frederick Community College. B.A., Johnson C. Smith University. M.Ed., West Chester University of Pennsylvania

**Janet "Jan" Sholes (1990)**

*Professor, Phys Ed/Health; Program Manager, Health & Exercise Science*  
B.S., Springfield College. M.A., Kent State University. M.S., University of Bridgeport

**T****Pei Taverner (2000)**

*Associate Professor, Mathematics*  
A.A., Frederick Community College. B.S., University of Maryland Baltimore County. M.Ed., University of Maryland University College. M.S., Hood College

**Emily Taylor (2017)**

*Assistant Professor, Biology*  
B.A., McDaniel College. M.S.N., Vanderbilt University

**Charlie Thomas (2019)**

*Assistant Professor, Education*  
B.S., Auburn University. M.S., McDaniel College

**Bruce Thompson (1996)**

*Department Chair - Social Sciences and Education; Professor, History; Coordinator, Honors College*  
B.A., M.A., Marshall University. Ph.D., University of Maryland

**Christian Thompson (2017)**

*Assistant Professor, Communication*

B.S., Milligan College. M.A., East Tennessee State University. Ph.D., Bowling Green State University

**Kelly Trigger (2000)**

*Professor, English*

B.S., Pennsylvania State University. M.Ed., University of Massachusetts, Amherst. Ph.D., University of Maryland

## W

**Brianne Walsh (2019)**

*Assistant Professor, Nursing*

B.S.N., Eastern University. M.S., Walden University

**Delaine Welch (1996)**

*Associate Professor, Program Manager, Early Childhood Development*

B.S., Salisbury State University. M.A., Bowie State University

**Kristen Wells (2019)**

*Assistant Professor, Program Manager, Human Services*

M.Ed., Ph.D., University of Virginia

**Karen Wilson (2008)**

*Department Chair - Computing & Business Technology; Assistant Professor, Program Manager, Business Studies*

B.S., University of Maryland Baltimore. M.S., Kennedy-Western University. M.B.A., Western Governors University. Ph.D., Warren National University

**Perry Wood (2014)**

*Associate Professor, Physical Science*

B.A., Gettysburg College. M.S., Pennsylvania State University. Ph.D., University of Virginia

## Y

**Dina Yagodich (2012)**

*Professor, Mathematics*

B.S., Cornell University. M.S., Johns Hopkins University

**Shunchi "Andy" Yao (2014)**

*Assistant Professor, Computer Info Sciences*

B.S., M.S., Old Dominion University

## Part-Time Faculty

There are also part-time faculty members teaching classes during the academic year. Individuals are appointed on a semester-by-semester basis and teach in both the day and evening programs.

## Academic Affairs, Continuing Education, & Workforce Development

**Tony Hawkins (2015)**

*Provost/Executive Vice President for Academic Affairs, Continuing Education, and Workforce Development*

B.S., Towson State University. M.A., University of Georgia. Ph.D., New York University

**Brenda Flores (2020)**

*Administrative Associate to the Provost/Executive VP for AACEWD*

**Joyce Ruane (2010)**

*Executive Associate to Provost/Executive VP for AACEWD*

M.Min., Phoenix University of Theology International

## Center for Teaching & Learning

**Sheri Bailey (2004)**

*Office Manager, Learning Commons*

A.A., Frederick Community College

**Carrie Dorman (2019)**

*Instructional Technology Training Specialist*

B.S., University of Maryland University College

**Ruth Flores (2019)**

*Office Manager, Center for Teaching and Learning*

B.S., Bowie State University

**Daniel Gallaher (2017)**

*Information Literacy Librarian*

A.A., Frederick Community College. B.A., University of Maryland University College. M.L.S., University of Maryland, College Park

**Reynea "Patty" Hude (2020)**

*Learning and Information Literacy Specialist*

M.S., The Catholic University of America

**Kimberly Jacob (2006)**

*Academic Office Manager*

A.A., Baltimore City Community College

**Whitney Jones (2020)**

*Academic Testing Assistant*

**Janet Kalinowski (2020)**

*Circulation and Desk Manager*

**Colleen McKnight (2011)**

*Director, Library Services*

B.A., Otterbein University. M.L.S., University of Maryland, College Park

**Rebecca Montgomery (2017)**

*Digital Resources Librarian*

B.A., Morgan State University. M.L.S., University of Maryland, College Park

**Brian Penko (2017)**

*STEM Learning Center Coordinator*

A.A.S., Frederick Community College. B.S., Hood College

**Yazdan Rodd (2021)**

*Director, Online Learning and Instructional Innovation*

Ed.D., Northeastern University

**Alesha Rosen (2013)**

*Director, Testing Center*

B.S., Towson University. M.Ed., George Mason University

**Amanda Schrider (2018)**

*Academic Testing Associate*

B.A., Ave Maria University

**Courtney Sloan (2016)**

*Tutoring and Writing Center Coordinator*

B.S., J.D., Louisiana State University

**Charles Small III (2017)**  
*Academic Testing Assistant*

**Douglas Valentine (2017)**  
*Instructional Designer*  
A.A., Frederick Community College. B.A., Mt. Sierra College. M.S., Southern New Hampshire University

**Betsey Zwing (2008)**  
*Director of Learning Center Services*  
B.A., Pennsylvania State University. M.A., Clemson University

## Continuing Education & Workforce Development

**Patricia Love "Patricia" Meyer (2010)**  
*Associate Vice President for Continuing Education and Workforce Development*  
B.A., Central Connecticut State University. M.S., Rensselaer Polytechnic Institute

**Kelli Ackiewicz (2016)**  
*Program Manager, Community Education*  
B.S., Pennsylvania State University

**Ivania Amador (2015)**  
*Adult Education & ESL Transition Specialist*  
B.A., Mount Saint Mary's University

**Cheryl Beard (2019)**  
*Adult Education Language Lab and Family Literacy Coordinator*  
B.S., Waynesburg College

**Chiuwah Bosaz (2020)**  
*Office Manager, Continuing Ed and Workforce Development*  
A.A., Hutchinson Community College. B.S., University of Kansas

**Caitlin Brandenburg (2019)**  
*Business Solutions Manager*  
B.S., University of Maryland Eastern Shore. M.B.A., Mount St. Mary's University

**Sarah Cosgrove (2017)**  
*Grant Advising & Tracking Coordinator*  
B.S., Shepherd University

**Elizabeth DeRose (2016)**  
*Institute Manager, Hospitality, Culinary & Tourism*  
A.O.S., Culinary Institute of America. B.S., University of Illinois, Urbana-Champaign

**Mary Evans (2016)**  
*Instructional Specialist, Culinary*  
A.O.S., Culinary Institute of America

**Stephen Ferguson (2017)**  
*Intake & Assessment Specialist, Adult Education*  
M.B.A., Mount St. Mary's University

**Valerie Fox (2012)**  
*Administrative Associate II, Career and Technical Training*  
A.A., Frederick Community College. B.A., Salisbury University

**Karen Freeman (2011)**  
*Program Manager, Youth and Community Education*  
B.A., Pennsylvania State University

**Rhonda Geesaman (2005)**  
*Administrative Associate II, CEWD Operations*

**Jennifer Goodridge (2009)**  
*Administrative Associate II*  
A.A., Frederick Community College

**Kathy Green (2018)**  
*Assistant Director, ESOL*  
B.A., Millersville University. M.A., West Chester University

**Kathleen "Kathi" Groover (2014)**  
*Program Manager, Career and Technical Training*  
B.S., Lynchburg College. Ph.D., Duke University

**Cheryl Henman (1993)**  
*Administrative Associate II, Community Education*  
A.A., Frederick Community College

**Brian Holt (2014)**  
*Instructional Support Technician, CATI*

**Maggie Krzywicki (2016)**  
*Administrative Associate II, Community Education*  
B.S., Shepherd University

**Carla Lemons (2016)**  
*HCTI Lab Coordinator*

**Ysabell Lopez-Alvarez (2018)**  
*Adult Education and ESL Administrative Associate*  
B.A., Strayer University

**Charles LoSchiavo (2013)**  
*Program Manager, Construction and Applied Technologies Institute*

**Angel Marshall (2016)**  
*Director, Adult Ed and ESOL*  
B.A., American University. M.Ed., Wilmington University

**Pamela Martin (2016)**  
*Instructional Specialist, Adult Education*  
A.A., Frederick Community College. A.A., Hagerstown Community College. B.A., M.A., Hood College

**Abigail Matos-Martinez (2018)**  
*Administrative Associate II*

**Katherine Miller (2017)**  
*Adult Education and ESL Coordinator*  
B.A., Shippensburg University

**Irene Nemitsas (2017)**  
*Program Coordinator, Workforce Education*  
B.S., Syracuse University. M.P.A., University of Colorado, Denver

**Sarah Radinsky (2014)**  
*Clinical and CPR Coordinator*  
A.A.S., Howard Community College

**Rachel Riggs (2020)**  
*ESL Instructional Specialist*

B.S., Liberty University

**Lauren Standifer (2014)**

*Program Coordinator, Community Education*

B.S., University of North Carolina at Greensboro

**Brenda Steele (2012)**

*Assistant Director, CEWD Operations*

A.A., Frederick Community College. B.B.A., Hood College. M.S., University of Maryland University College

**Shela Stewart (2015)**

*Administrative Associate II*

A.A.S., Tarrant County Junior College. B.B.A., Texas Wesleyan University

**Danielle Stoffer (2015)**

*Program Manager, Healthcare Careers*

B.A., George Mason University. M.S., Marymount University

**Michelle Wichman (2010)**

*Adult Education Intake/Assessment Specialist*

B.A., Wartburg College

## Diversity, Equity & Inclusion

**Beth Douthirt Cohen (2017)**

*Executive Director of Diversity, Equity, and Inclusion*

B.A., Barnard College of Columbia University. M.Ed., Harvard University. Ph.D., University of Maryland, College Park

**Thanh Thanh Saint-Johns (2011)**

*Office Associate II, Diversity, Equity, and Inclusion*

## Dual Enrollment

**Elizabeth Duffy (2013)**

*Executive Director for Dual Enrollment*

B.S., Indiana University of Pennsylvania. M.Ed., Frostburg State University

**Andrew McClain (2012)**

*Dual Enrollment and Early College Coordinator*

A.A.S., Frederick Community College. B.A., University of Maryland Global Campus

## Health, Business, Technology & Science

**Sandra "Sandy" McCombe Waller (2019)**

*Associate Vice President for Academic Affairs/Dean of Health, Business, Technology & Science*

B.S., University of Maryland. M.S., Johns Hopkins University. Ph.D., University of Maryland

**Jacob Ashby (2011)**

*Assistant Dean, Assessment and Articulation*

A.A., A.A.S., Hagerstown Community College. B.S., Shippensburg University. M.S., West Virginia University. Ed.D., Shenandoah University

**Renee Davis (2016)**

*Assistant Dean, Health, Business, Technology & Science*

B.S., M.B.A., Ed.D., University of Phoenix

**Ann Geyer (2009)**

*Academic Office Manager*

B.A., Gustavus Adolphus College

**Jeffrey Hawk (2019)**

*Director of Health Science Technology and Compliance*

M.Ed., M.B.A., University of Maryland University College. M.P.T., University of Maryland, Baltimore

**Carla Milan (2015)**

*Internship & Apprenticeship Coordinator*

B.S., Western New England College

**Jonathan Orellana (2018)**

*Office Manager, Career Programs*

A.A., Valencia College. B.S., University of Central Florida

## Health, Business, Technology & Science - Computing & Business Technology

**Karen Wilson (2008)**

*Department Chair - Computing & Business Technology; Assistant Professor, Program Manager, Business Studies*

B.S., University of Maryland Baltimore. M.S., Kennedy-Western University. M.B.A., Western Governors University. Ph.D., Warren National University

**Doree "Doree Lynn" Miles (2011)**

*Academic Office Manager*

A.A., Montgomery College. B.A., University of Maryland, Baltimore County

**Matthew Miles (2018)**

*Cybersecurity IT Technician*

B.S., Shepherd University

## Health, Science, Business & Technology - Health Science

**Amelia Iams (2020)**

*Director of Physical Therapy Assistant Education*

M.P.T., D.P.T., Shenandoah University

**Marie Lalor (2017)**

*Academic Office Manager*

B.S., M.S., University of the Philippines

**Michele Miller (2018)**

*Nursing Skills Lab Assistant*

B.S., Salisbury University

**Kyla Newbould (2020)**

*Director of Nursing Education*

M.S., University of Maryland, Baltimore

**Crystal Shea (2017)**

*Surgical Technology Clinical Coordinator*

A.A.S., Frederick Community College

## Health, Science, Business & Technology - Science

**Teresa Calzonetti (2014)**

*Department Chair - Science; Associate Professor, Biology*

B.S., Ph.D., University of Toronto

**Lorell Angelety (2007)**

*Science Laboratory Technician*

M.S., Andrew Jackson University

**Emily Boward (2014)**

*Science Lab Technician II*

A.S., Hagerstown Community College. B.A., M.S., Hood College

**Alma Diggs (1990)**

*Science Laboratory Technician*

**Edith Hillard (1999)**

*Science Lab Manager*

A.A., Montgomery College. B.S., University of Maryland. M.S., Hood College

**Sharon Smith (1980)**

*Academic Office Manager*

## Liberal Arts

**Brian Stipelman (2016)**

*Associate Vice President for Academic Affairs/Dean of Liberal Arts*

B.A., Bowdoin College. Ph.D., Rutgers University

**Margaret "Molly" Carlson (2015)**

*Assistant Dean, Liberal Arts*

B.S., Illinois State University. M.S., Northwestern University. Ph.D., University of Wisconsin

**Erin Peterson (2000)**

*Assistant Dean, Curriculum Systems and Scheduling*

B.A., Washington College. M.B.A., Mount St. Mary's University

**Kristi Waters (2007)**

*Office Manager, Liberal Arts*

B.A., University of Maryland. M.S., Kansas State University

## Liberal Arts - Communication, Humanities & Arts

**Kathy Brooks (2008)**

*Department Chair - Communication, Humanities & Arts; Professor, Program Manager, Communication*

B.A., University of Maryland, Baltimore County. M.S., Morgan State University. Ph.D., Pennsylvania State University

**Samuel Martin (2015)**

*Art Studio Manager*

B.A., Bloomsburg University. M.F.A., University of New Mexico

**David Norman (2010)**

*Senior Technician*

B.S., Minnesota State University, Mankato

**Karen Santelli (2007)**

*Academic Office Manager*

A.A., Frederick Community College. B.A., University of Maryland Baltimore County

## Liberal Arts - English

**Anne Hofmann (2013)**

*Department Chair - English; Associate Professor, English*

B.A., Miami University. M.Ed., George Washington University. M.A., University of Texas at San Antonio

**Cheryl Peterson (2009)**

*Academic Office Manager*

## Liberal Arts - Mathematics

**Kylena Cross (2011)**

*Department Chair - Mathematics; Assistant Professor, Mathematics*

B.S., University of Maryland, College Park. M.S., Johns Hopkins University

**Darrin Berkley (2020)**

*Success Outreach Retention Coordinator*

Ph.D., Morgan State University

**Jeanne Nesbitt (2009)**

*Academic Office Manager*

B.S., Youngstown State University

## Liberal Arts - Social Sciences and Education

**Bruce Thompson (1996)**

*Department Chair - Social Sciences and Education; Professor, History*

B.A., M.A., Marshall University. Ph.D., University of Maryland

**Heather Hinkle (2017)**

*Education Program Coordinator*

B.A., Gettysburg College. M.Ed., University of Maryland, Eastern Shore

**Nicole Welch (2013)**

*Academic Office Manager*

B.S., Mount St. Mary's University

## MACEM & Public Safety

**Kathy Francis (2009)**

*Executive Director, MACEM and Public Safety*

B.A., Columbia College. M.S., Johns Hopkins University

**Stephen Carter (2014)**

*Special Projects Manager, Emergency Management Program*

B.A., Thiel College. M.S., University of Maryland University College

**Diana Culp (2016)**

*MACEM & Public Safety Program Manager*

B.A., Hiram College. M.A., Marymount University

**Lauren Dods (2015)**

*Office Manager, MACEM and Public Safety*

B.A., Hood College. M.S., University of Maryland Global Campus

**Julie Hoyle (2014)**

*Academic Office Manager, MACEM & Public Safety*

B.S., University of Maryland, College Park

**Alan Lyons (2018)**

*Instructional Specialist, MACEM*

B.A., McDaniel College

**Matthew "Matt" Moxley (2020)**

*Instructional Coordinator, MACEM*

B.A., Ashford University

**Cynthia Pace (2019)**

*Tech Connect Coordinator*

**Joseph Rafter (2020)**

*Emergency Management Instructional & Technical Designer*

B.A., Wilson College. M.Ed., Frostburg State University

**Colleen Schupp (2020)**  
*Administrative Associate II*  
 M.B.A., Johns Hopkins University

**Constance "Candy" Turano (2018)**  
*Instructional Generalist*  
 B.S., Mansfield University

## MSDE Grants

**Treasure Mathis (2020)**  
*Student Success Coach*  
 B.A., University of Central Florida. M.S., Nova Southeastern University

**Jessica Young (2012)**  
*Instructional Designer*  
 B.S., Shippensburg University. M.A., University of Phoenix

## Finance

**Cathy Perry-Jones (2020)**  
*Vice President for Finance*  
 B.B.A., University of West Georgia. M.B.A., Georgia College. Ph.D., Northcentral University

## Auxiliary Services

**Teresa "Teri" Bickel (2005)**  
*Director, Children's Center*  
 B.F.A., Indiana University of Pennsylvania. M.S., Hood College

**Frederick Hockenberry (2008)**  
*Director of Bookstore*  
 B.A., Pennsylvania State University

**Kimberly Madden (2007)**  
*General Merchandise Manager*  
 B.A., Wake Forest University

**Bradley Patenaude (2011)**  
*Bookstore Assistant*  
 B.A., University of Maine at Presque Isle. B.S., University of Maine at Augusta

## Fiscal Services

**Amy Stake (2021)**  
*Associate Vice President for Finance*  
 B.S., University of Maryland Global Campus

**Jane Beatty (2006)**  
*Executive Director for Student Finance/Bursar*  
 A.A., Frederick Community College

**Shawn Chesnutwood (2001)**  
*Assistant Director for Finance*  
 B.S., Johnson and Wales University. M.B.A., Frostburg State University. CPA, State of Maryland

**Brenda Cunningham (2009)**  
*Administrative Associate II - Accounts Payable*  
 B.A., University of Maryland Baltimore County

**Pamela Dubitsky (2016)**  
*Assistant Director for Grants Management*

B.A., State University of New York, Stony Brook University. M.A., M.S.W., State University of New York at Albany

**Jennifer Frank (2010)**  
*Assistant Director, Student Finance*

**Donna Gebhart (2018)**  
*Executive Administrative Associate for Finance*

**Margaret Glessner (2016)**  
*Senior Accountant for the Foundation*  
 B.S., Grove City College. M.B.A., Loyola College of Maryland

**Barbara Herald (2006)**  
*Staff Accountant*  
 A.A., Montgomery College

**Dustyn Icard (2021)**  
*Student Finance Associate, CEWD Registration*

**Jeffrey Kotroba (2017)**  
*Payroll Accountant*  
 B.S. Towson University

**Peter Lee (2017)**  
*Business Manager*  
 B.S., M.A., Saint Francis University

**Vanessa Lopez (2016)**  
*Student Finance Associate*  
 B.A., Strayer University

**Kristen Lushbaugh (2017)**  
*Student Finance Associate, CEWD Registration*  
 A.S., Hagerstown Community College. B.S., Frostburg State University

**Trudy Lyles (1995)**  
*Auxiliary Financial Manager*  
 A.A., Frederick Community College

**Elaine Marshall (2017)**  
*Procurement Administrator*  
 B.A., Mount Saint Mary's University. M.B.A., Frostburg State University

**Tonya McClellan (2008)**  
*Accounts Payable Manager*  
 A.S., Ashworth College. B.S., Ashworth College

**Peggy McPherson (2020)**  
*Student Finance Associate*  
 A.A., Saint Leo University

**Whitney Mellott-Hoch (2016)**  
*Student Finance Associate*  
 B.S., M.B.A., Frostburg State University

**Stephanie Roth (2016)**  
*Finance Associate, Accounts Receivable*  
 B.S., Salem International University

**Fallon Seiler (2017)**  
*Payroll Accountant*  
 B.S., Shepherd University

## Human Resources

### Melissa Bard (2018)

*Vice President for Human Resources*

B.S., M.S., University of Maryland University College

### Cristina Happel (2019)

*Human Resources Generalist*

B.A., University of Maryland, Baltimore County. M.S., University of Maryland University College

### Alicia Hilsher (2015)

*Benefits Specialist*

B.S., M.S., University of Scranton

### Diana Oliver (2019)

*Human Resources Manager*

B.A., Hood College

### Kathryn "Katie" Reed (2010)

*Executive Administrative Associate for Human Resources*

### Susan Waddington (2016)

*Human Resources Generalist*

B.S., Virginia Polytechnic Institute and State University. M.S., Widener University

### Daniel West (2019)

*Talent Management Coordinator*

M.A., American Public University System

## Information Technology

### Joseph McCormick (2017)

*Chief Information Officer*

B.S., M.A., Colorado Christian University

### Cathy Brown (2016)

*Enterprise Applications Analyst/Programmer*

A.A., Frederick Community College. B.A., M.S., Hood College

### Thomas Dean (2019)

*Senior Systems Administrator*

A.A., Frederick Community College

### David Gibson (2018)

*Systems Administrator*

B.S., Virginia Polytechnic Institute and State University

### Eric Hall (2020)

*Senior Desktop Technician*

B.S., Appalachian State University

### James "Jamie" Harris II (1999)

*Enterprise Applications Analyst/Programmer*

A.A.S., Frederick Community College. B.S., University of Maryland University College

### Aaron Heineman (2021)

*IT Desktop Technician*

### Jonathan Hoffman (2021)

*IT Desktop Technician*

### Cristina Kosonen (2019)

*IT Help Desk Technician*

A.A., Frederick Community College

### Michael Marshall (2012)

*Director of IT Technical Support Services*

A.A., Montgomery College

### Sandra Marshall (2005)

*IT Training Coordinator*

A.A., Frederick Community College. B.S., University of Maryland University College

### Sara "Beth" Miles (2001)

*Enterprise Applications Analyst/Programmer*

B.B.A., James Madison University

### Gary Milihram (2015)

*Copy Center Manager*

### Louann Miller (2017)

*Enterprise Applications Analyst/Programmer*

A.S., B.S., Daniel Webster College

### Richard Moser (2016)

*IT Desktop Technician*

### Timothy "Tim" O'Keeffe (2009)

*Audio-Visual Support Technician*

A.S., Frederick Community College

### Scott Reece (2017)

*Executive Director of Network Infrastructure & IT Security Officer*

A.A., Frederick Community College. M.A., Mount St. Mary's University

### Adam Reno (2000)

*Associate Chief Information Officer*

B.S., Frostburg State University

### Keith Rice (1996)

*Senior Audio-Visual Support Technician*

### Michael Schlosser (2003)

*MAC Lab Supervisor*

A.A., University of Phoenix

### Melissa "Missy" Smith-Rice (1999)

*Office Manager*

### Bryan Valko (2005)

*Director of Audio-Visual Technologies & IT Project Management*

B.A., University of Maryland, Baltimore County. M.S., Mississippi State University

### Lori Walker (2001)

*Assistant Director, Enterprise Applications*

B.S., Shepherd University

### Sharon Woodfield (2012)

*Telecomm/Network Administrator*

A.A., Frederick Community College

### Joel Younkens (1994)

*Network Security Engineer*

A.A., Frederick Community College. B.S., University of Maryland University College

**Rui Zhang (2021)**

*PeopleSoft Database and Systems Administrator*  
M.S., University College of Birmingham

## Institutional Effectiveness

**Gerald Boyd (2010)**

*Special Assistant to the President for Institutional Effectiveness*  
B.A., M.A., George Mason University

**Dana Pierce (2008)**

*Executive Associate*

## Communications & Community Relations

**Caroline Cole (2014)**

*Communications Coordinator*  
B.A., Franklin & Marshall College. M.S., Boston University

## Marketing

**Michael Baisey (2015)**

*Executive Director of Marketing and Web Management*  
B.S., East Carolina University. M.S., Northwestern University

**Angela Cochran (2015)**

*Art Director*  
B.S., Indiana Wesleyan University

**Christina Eichelberger (2009)**

*Content Marketing Coordinator*  
B.A., Salisbury University

**Jennifer Kline (2013)**

*Digital Marketing Manager*  
B.S., Salisbury University

**Edwin Koester (2019)**

*Videographer/Producer*  
B.A., Pennsylvania State University

**Megan Lehman (2018)**

*Marketing Project Manager*  
B.S., Millersville University. M.A., University of Baltimore

**Cindy Osbon (1993)**

*Website Project Manager*  
A.A., Frederick Community College. B.S., University of Maryland University College

**Charles Pham (2011)**

*Photographer/Producer*  
A.S., Everest University

**Carolyn Tunney (2019)**

*Marketing Strategist*  
B.S., University of Maryland College Park

**Laurie Younkings (2011)**

*Front-End Web Developer*  
A.A.S., Frederick Community College. B.S., University of Maryland University College

## Planning, Assessment & Institutional Research

**Gohar Farahani (1995)**

*Executive Director, Planning and Institutional Effectiveness*  
A.A., Santa Monica College. B.A., University of California, Los Angeles.  
M.S., California State University, Domingues Hills. Ph.D., Virginia Polytechnic Institute & State University

**Cheoleon Lee (2014)**

*Senior Researcher, Institutional Research and Compliance*  
M.A., University of Florida. Ph.D., University of California, Riverside

**Andrea Matthews (2001)**

*Research Analyst*  
B.A., York University

**Caleb Rose (2017)**

*Senior Researcher for Institutional Effectiveness*  
B.A., East Carolina University. M.A., Marshall University. Ph.D., University of Arkansas

## Learning Support

**Nuriyah "Nora" Clark (2019)**

*Vice President for Learning Support*  
Ph.D., Northeastern University

**Lisa Hildebrand (1989)**

*Executive Associate for Learning Support*  
A.A., Frederick Community College

## Enrollment Services

**Laura Mears (2011)**

*Associate Vice President, Admissions and Enrollment Services*  
B.A., M.A., Washington College

**Kara Bennett (2008)**

*Graduation & Records Coordinator*  
B.S., Shepherd University. M.B.A., Frostburg State University

**Tina Berry (2017)**

*Associate Registrar*  
B.S., Shepherd University

**Kaytlynn Chism (2016)**

*Financial Aid Advisor*  
A.A., Frederick Community College. A.S., The Art Institute of Pittsburgh

**Melissa Ensminger (2006)**

*Assistant Registrar*  
A.A., Frederick Community College. B.S., Towson University

**Doris "Jane" Filler (2007)**

*Admissions Specialist*  
A.A., Frederick Community College. B.S., Shepherd University

**Randi Gibson (2018)**

*Transfer Evaluator*  
B.A., Salisbury University. M.S., University of Maryland University College

**Pamela Grzybowski (2010)**

*Financial Aid Coordinator*

B.S., Virginia Polytechnic Institute and State University

**Kevin Jandovitz (2019)**

*Financial Aid Administrative Associate*  
A.A., Frederick Community College

**Wilbert Lleses (2020)**

*Director of Financial Aid*  
B.S., Davao Doctors College. B.A., National Hispanic University. M.B.A.,  
Notre Dame de Namur University

**Christine McFadden (2015)**

*Enrollment Specialist*

**Shelby Metzgar (2017)**

*Assistant Director for Financial Aid Services and Outreach*  
B.B.A., Texas Tech University

**Melanie Molesky (2006)**

*Transcript Services Coordinator*  
A.A., Frederick Community College

**Jeanette Morris (2016)**

*Assistant Director for Financial Aid Verification & Reporting*  
B.A., Hood College

**Jennifer Moxley (2014)**

*Coordinator of Student Leadership & Service Learning*  
A.A., Frederick Community College. B.S., Shenandoah University. M.A.,  
Hood College

**Agnes Nestor (2016)**

*Enrollment Specialist*  
B.A., University of Maryland

**Elizabeth Nichols (2013)**

*Welcome Desk Manager*  
B.S., Lake Superior State University

**Amy Pearson (2007)**

*Registration Manager*  
A.A., Frederick Community College

**Sarah Rudy (2018)**

*Transfer Evaluator*  
B.A., Asbury University

**Cynthia Runnells (2015)**

*Financial Aid Counselor I*  
B.S., Boston University

**Jennifer Sealy (2019)**

*Coordinator of Admissions, Recruitment & Outreach*  
B.A., Juniata College. M.B.A., Shepherd University

**Anna "Marie" Staley (1989)**

*Assistant Director of Admissions*  
A.A., Frederick Community College

**Deirdre Weilminster (2004)**

*Executive Director, Welcome Center/Registrar (FERPA Officer)*  
A.A., Frederick Community College. B.A., M.A., Hood College

**Elizabeth Witcher (2014)**

*Financial Aid, Administrative Associate*

A.A.S., Plaza Business Institute

## Student Development

**Jerry Haynes (2014)**

*Dean of Students & Director of Athletics*  
B.S., Bowling Green State University. M.Ed., Miami University

**Chad Adero (2006)**

*Executive Director for Career and Academic Planning Services*  
A.A., Kirkwood Community College. B.A., University of Northern Iowa.  
M.Ed., Goucher College. Ed.D., Morgan State University

**Audrey Averill (2018)**

*Lead Certified Interpreter*  
B.A., Western Oregon University

**Rodney Bennett (2006)**

*Academic Advisor/Head Coach, Men's Baseball*  
B.S., Davis & Elkins College. M.S., California University of Pennsylvania

**Chianti Blackmon (2016)**

*Director, Multicultural Student Services*  
B.A., The University of Akron. M.S., Loyola University Maryland

**Janice Brown (2001)**

*Director Office of Adult Services*  
B.A., Pennsylvania State University. M.A., University of Maryland,  
Baltimore County

**Shelby Carmon (2000)**

*Office Manager Center for Student Engagement*  
A.A., A.A.S., Frederick Community College

**Amy Coldren (2010)**

*Director of Veteran and Military Services*  
B.S., James Madison University. M.A., Ph.D., Northwestern University

**Marcia Dean (2000)**

*Degree Audit Specialist*  
A.A., Hagerstown Community College. B.S., Shippensburg University.  
M.S., Kansas State University

**Gary Demski (2014)**

*Assistant Director, Athletics & Sports Information*  
B.S., Indiana University. M.S., Valparaiso University

**Alissa Hart (2016)**

*Academic Advisor*  
B.A., Grove City College. M.A., Geneva College

**Megan Henry (2018)**

*Disability Specialist*  
B.S., Towson University. M.S., McDaniel College

**Monica Hutchins (2014)**

*Academic Advisor*  
B.S., Morgan State University. M.A., Trinity University. M.A., West Virginia  
University. Ed.D., Morgan State University

**Kathryn "Kate" Kramer-Jefferson (2006)**

*Director, Disability Access Services*  
B.A., Anderson University. M.A., Indiana University of Pennsylvania. Ed.D.,  
Frostburg State University

**Jennifer Leonard (2018)**

*Administrative Specialist, Disability Access Services*  
B.A., Wake Forest University

**Traci Lowrey (2009)**

*Coordinator, Interpreting Services*  
A.A.S., Community College of Baltimore County. B.A.S., Siena Heights University. M.A., Southern New Hampshire University

**Kathryn Manwiller (2009)**

*Counselor, Behavioral Health & Wellness*  
B.S., University of Maryland College Park. M.S.W., University of Maryland Baltimore

**Jennifer McAninley (2015)**

*Academic Advisor*  
B.A., Goucher College. M.S., Johns Hopkins University

**Christina McGill (2017)**

*Academic Advisor*  
A.A., Community College of Baltimore County. B.A., M.A., Bowie State University

**Aliya Merhi (2017)**

*Office Manager, Career and Academic Planning Services*  
B.A., Washington College

**Kristi Mills (1996)**

*Assistant Director, Center for Student Engagement*  
A.A., Frederick Community College. B.S., M.B.A., Mount Saint Mary's University

**Jennifer Moore (2013)**

*Academic Advisor*  
B.A., Elon College

**Patricia "Tricia" Morris (2013)**

*Veteran and Military Services Specialist*  
B.S., East Carolina University

**Kathleen Porter (2007)**

*Disabilities Specialist/Deaf & Hard of Hearing Counselor*  
A.A., Frederick Community College. B.S., Hunter College of the City University of New York. M.A., George Washington University

**Anne Scholl-Fiedler (2017)**

*Coordinator of Career Services*  
B.A., Temple University. M.A., Towson University

**Gabrielle Smallwood (2019)**

*Athletic Trainer*  
B.S., Eastern University. M.S., McDaniel College

**Eugene Smith (2020)**

*Assistant Director, Multicultural Student Services*  
B.S., M.A., Morgan State University

**Kelly Stewart (2017)**

*Career Advisor*  
B.A., Gettysburg College. M.Ed., The Pennsylvania State University

**Edward Wangler (2018)**

*Academic Advisor*  
B.S., Grand Valley University. J.D., Thomas M. Cooley Law School

**Jennifer Ward (2000)**

*Office Manager, Adult Services*

A.A., Frederick Community College. B.A., American Public University

**Jeanni Winston-Muir (1990)**

*Executive Director, Center for Student Engagement*  
B.S., Frostburg State University. M.A., Seton Hall University

**Anastasia "Stacey" Yost (2013)**

*Counselor, Office for Adult Services*  
A.A., Frederick Community College. B.A., University of Maryland University College. M.A., University of Maryland, College Park

## Operations

**Lewis Godwin (2020)**

*Chief of Operations*  
B. Arch., Auburn University

**Linda Seek (1990)**

*Executive Associate to Chief of Operations*

**Robin Shusko (2013)**

*Director of College Safety, Security, and Emergency Preparedness*  
B.S., Frostburg State University. M.A., Hood College. M.A., Marymount University

## Capital Planning

**John Anzinger (2015)**

*Director of Capital Planning and Project Management*  
B.S., Temple University. M.B.A., Mount St. Mary's University

**Simone Dalmida (2014)**

*Facilities Planning Specialist*  
B.B.A., Temple University

**Christopher Flaherty (2016)**

*Capital Project Manager II*  
B.S., The Pennsylvania State University

**Sharon Hammond (2013)**

*Administrative Associate II*  
A.A., Frederick Community College

**Karen Place (2018)**

*Capital Project Manager II*  
B.A., Roger Williams University

## College Safety and Security

**Wayne Jarvis (2006)**

*Security Officer*

**Kevin Poole (2015)**

*Security Supervisor, 1st shift and Monroe Center*

**Gurpreet Rattan (2018)**

*Security Officer*

**Oscar Rojas (2001)**

*Security Officer*

**Lauren Sinay (2019)**

*Security Officer*  
A.A., American InterContinental University

**Michelle "Nikki" Teasley (2017)**

*Security Supervisor, 2nd shift & Weekends*  
B.A., University of North Carolina, Chapel Hill

**Charles Tobery Jr (2013)**  
*Security Officer*  
A.A., Frederick Community College. B.A., M.A., Hood College

**Leonard "Randy" Waesche (2016)**  
*Communications and Transportation Manager*  
B.A., University of Maryland. M.B.A., Frostburg State University

## Plant Operations

**Gregory "Greg" Solberg (2016)**  
*Director of Plant Operations*  
B.A., Bemidji State University. M.S., Hood College

**David Anderson Jr (2013)**  
*Maintenance Tech / Carpenter*  
B.S., University of Maryland University College

**Paul Barnes (2010)**  
*Custodian*

**Jeffrey Buhman (1989)**  
*Custodian*

**Richard Burns (2019)**  
*Groundskeeper*

**Cameron Butler (2015)**  
*Custodian*

**Dennis Cupp (2008)**  
*Building Services Specialist, Monroe Center*

**Brian DeCesare (2016)**  
*Maintenance Technician - General*  
A.F.A., Montgomery College

**Reynaldo Delaluz (2008)**  
*Custodian*

**David Eichelberger (2012)**  
*Maintenance Technician - General*

**Roxana Escobar Mendoza (2013)**  
*Custodian*

**Jerome "Jake" Ford (2013)**  
*Custodian*

**James Forrester (2015)**  
*Custodian*

**Pernell Harrison (2012)**  
*Custodian*

**Dennis Hatcher (2016)**  
*Plant Maintenance Manager*

**Jenny Hill (2011)**  
*Custodial 2nd Shift Lead*

**David Hoffman (2018)**  
*Maintenance Technician, HVAC/R II*

**Kevin Hoover (2015)**  
*Plant Maintenance Technician - Locksmith*  
A.A., Hagerstown Community College

**Maximo Inocencio (2016)**  
*Maintenance Technician, Electrician II*

**Ronald Jackson (2011)**  
*Custodian*

**Justin Koerting (2010)**  
*Grounds Crew Foreman*

**Richard Lawrence (1992)**  
*Groundskeeper*

**Tonya Lewis (2003)**  
*Custodian*

**Christopher Lucas (2004)**  
*Custodian*

**Amparo Morales (2012)**  
*Custodian*

**Jesse Morgan (2013)**  
*Maintenance Technician - General*

**John Neal (2016)**  
*Groundskeeper*

**Willy Ngiratraol (2021)**  
*Custodian*

**Mark Price (2007)**  
*Custodian*

**Ryan Ridge (2016)**  
*Maintenance Technician, HVAC/R II*  
B.A., St. Mary's College of Maryland

**Kennedy Roberts (2016)**  
*Custodian*

**Darrell Rollins (1999)**  
*Custodian*

**Mary Sawyer (2008)**  
*Administrative Associate II*

**McKenzie Schepis (2013)**  
*Custodian*  
A.A., Frederick Community College

**Katisha Sesay (2020)**  
*Custodian*

**Larry Smith (1995)**  
*Custodial Manager*

**Craig Smoot (2019)**  
*Painter*

**Parker Young (2015)**  
*Maintenance Technician - General*

## **Receiving Operations**

**Gary Anderson (2009)**

*Receiving Operations Manager*

**Richard "Rick" Linton (2006)**

*Receiving Assistant*

A.A., Frederick Community College

**Catherine Summers (1998)**

*Mailroom Associate*

## EMERITUS

---

Elizabeth Geiser (1983)  
 Priscilla J. Roessler (1983)  
 William A. Sussmann (1983)  
 Duval W. Sweadner (1983)  
 Louise Doty (1984)  
 Dr. Dorothy V. Elliott (1984)  
 Irene Jacobs (1984)  
 Dr. Cresap Davis (1986)  
 Dr. Jack B. Kussmaul (1986)  
 Agnes Kemerer (1987)  
 Joseph T. Millington 1987  
 Dr. Harry Prongas (1987)  
 Marguerite H. Smith (1987)  
 Dr. Francis Reinberger (1990)  
 Dr. Carl H. Mitlehner (1991)  
 Dr. Roberta C. Palmer (1992)  
 Betty Coe Riner-Kulp (1992)  
 Charles R. Luttrell (1993)  
 Dr. Harold A. Neufeld (1994)  
 Dr. B.W. Rodgers (1994)  
 Richard F. Burgo (1995)  
 Joyce D. Meeks (1995)  
 Francis R. Smith (1995)  
 Richard Thompson (1995)  
 Thomas E. Hicks (1996)  
 Dr. Lee J. Betts (1997)  
 Gerard Blake (1997)  
 Michael D. Boyd (1997)  
 Dr. Jon H. Larson (1997)  
 Maida M. Wright (1997)  
 David G. Clark (1999)  
 Phyllis R. Hamilton (1999)  
 Laura Frances Mayo (1999)  
 Dr. May E. Phillips (1999)  
 Neeta Falconer (2000)  
 Dr. Martin Kalmar (2000)  
 Dr. Carolyn Lewis (2000)  
 Gerard Marconi (2000)  
 Dr. Richard Yankosky (2000)  
 John Stuart (2002)  
 Eugenia Tobin (2002)  
 Allan Windle (2002)  
 J. LeRoy Frazier (2003)  
 Donald W. Neel (2003)  
 Dr. Suzanne Beal (2005)  
 Dr. Albert Samuel (2005)  
 Dr. Rosemary Watson (2005)  
 Rosemarie Alavanja (2007)  
 Dr. Tony Chiu (2007)  
 Joan Disburg (2007)  
 Cheryl Potter (2007)  
 Dr. Patricia Stanley (2007)  
 Dr. Shirley Davis (2008)  
 Bernard A. Adams (2010)  
 James G. Morrison (2010)  
 Mary Noel (2010)  
 Joseph D. Osmann (2010)  
 Anne B. Slater (2010)  
 Dr. Carol W. Eaton (2011)

Jane A. Garvin (2011)  
 Dr. L. Richard Haney (2011)  
 Katherine W. Helfrich (2011)  
 Peggy J. Mauzy (2011)  
 William G. Quinn, Jr. (2011)  
 Sandra L. Smith (2011)  
 Patricia F. Standifer (2011)  
 Rebecca D. Yankosky (2011)  
 Sandra Cavalier (2012)  
 Kathy Fenimore (2012)  
 Joseph B. Kerr (2012)  
 Timothy Swyter (2012)  
 Joseph P. Campbell (2013)  
 Kathy J. Frawley (2013)  
 Elizabeth J. Holton (2013)  
 Dr. Paula Lindsay (2013)  
 Susan Boyne (2014)  
 Ann Committo (2014)  
 Richard Gottfried (2014)  
 David Hamby (2014)  
 Dr. Christine Helfrich (2014)  
 Dr. Janice Holly (2014)  
 Pamela Lilly (2014)  
 Janis Vasquenza (2014)  
 Dr. Charles K. Cottingham (2015)  
 Lorraine F. Dodson (2015)  
 Susan P. Hannon (2015)  
 Dr. Beth H. Holmberg (2015)  
 Alberto Ramirez (2015)  
 Sandra Toms (2015)  
 Peggy Waxter (2015)  
 Donna Lane (2016)  
 Rebecca Lohmeyer (2016)  
 Mick O'Leary (2016)  
 Walter Smith (2016)  
 Barbara Angleberger (2017)  
 Dennis Little (2017)  
 Mary Scire (2017)  
 Saran Smith-McLaughlin (2018)  
 Dr. Ted Taft (2018)  
 Joanna Gannon (2019)  
 Jurgen Hilke (2019)  
 Jane Menker (2019) (posthumously)  
 Dave Moreland (2019)  
 Donna Sowers (2019)  
 Dr. Marshall Botkin (2020)  
 Brenda Dayhoff (2020)  
 Dr. Kenneth Kerr (2020)  
 Vanessa Lovato (2020)  
 Mary Mogan-Vallon (2020)  
 Lisa Sheirer (2020)

## Recognition of Distinguished Status

Patti Altmann (2015)  
 Judith Bare (2015)  
 Mary Kay Burkhart (2015)  
 Linda Crough (2015)  
 Elizabeth Disney (2015)  
 Brenda Ferko (2015)  
 Magreta Kuzner (2015)  
 Karen Defibaugh (2016) (posthumously)

John Brashears (2017)  
Mary Garst (2017)  
Harriette Mathews (2017)  
Yasmin Shikari (2017)  
Beverly Grubbs (2018)  
Sharon Wallick (2018)  
James Concannon (2019)  
Catherine Galeano (2019)  
Sharon Copley (2020)  
Patty Furry-Hovde (2020)

# ACADEMIC CALENDAR

**Please note: Academic Calendar dates may be subject to change. Please check frederick.edu (<http://frederick.edu>) for updates.**

## Summer Semester 2021

Event	Date
Memorial Day – College Holiday	May 31
First day of Summer Credit classes	June 1
No Credit or Continuing Education classes	July 3
Independence Day Observed – College Holiday	July 5
No Credit classes	July 6
Last day of Summer Credit classes	August 11
Final Summer Credit class grades due – 10:00 a.m.	August 13

## Fall Semester 2021

Event	Date
Fall Convocation	August 19
First day of Fall Credit classes	August 21
No Credit or Continuing Education classes	September 4
Labor Day – College Holiday, Enrollment Services not available	September 6
Election Day – No Credit classes, Continuing Education classes offered – College open	November 2
No Credit classes, Continuing Education classes offered – Offices open until 4:30 p.m.	November 24

Thanksgiving – College Holiday  
November 25 - 28

Last day of Fall Credit classes	December 11
Winter Holiday Luncheon	December 13
Final Fall Credit class grades due – 10:00 a.m.	December 15
Winter Break – Enrollment Services not available	December 20 - January 2

## Spring Semester 2022

Event	Date
College Open	January 3
First day of January Credit classes (T-F and online classes)	January 4
Dr. Martin Luther King, Jr. Day – College Holiday	January 17
Celebration of Excellence	January 20
First day of regular Spring Credit classes	January 22
No Credit classes, Continuing Education classes offered – College open	March 28 - 29
Spring Break	March 30 - April 1
No Credit or Continuing Education classes	April 2
Last day of Spring Credit classes	May 13
Final Spring Credit class grades due – 10:00 a.m.	May 18
Commencement	May 19

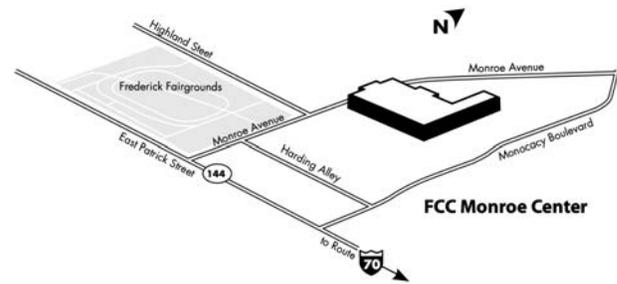
# CAMPUS LOCATIONS

240.629.7900

FCC classes are held on the main campus, at The Monroe Center, online, and offsite at various locations throughout the community and surrounding areas.

## Main Campus Locations

- A—Annapolis Hall
- B—Braddock Hall
- C—Catoctin Hall
- D—Athletics Center
- E—Conference Center
- F—Visual & Performing Arts Center
- G—Gambrill Hall
- H—Student Center
- J—Jefferson Hall
- L—Linganore Hall
- P—Plant Operations
- S—Swadner Hall
- K—Mercer-Akre Kiln



Visit [frederick.edu](http://frederick.edu) (<http://frederick.edu>) for directions and hours of operation.



### Addresses

#### FCC Main Campus

7932 Opossumtown Pike  
Frederick, MD 21702

301.846.2400

#### The Monroe Center

200 Monroe Avenue  
Frederick, MD 21701

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