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<td>Student Publications: Literary Magazine (Tuscarora Review)</td>
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<td>Study Skills Workshops</td>
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<td>Tuition Payments</td>
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<td>Welcome &amp; Registration Center, Administration Hall, A-102</td>
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<td>Tutorial Services</td>
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<td>Veterans Information</td>
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<td>Vice President for Administration</td>
<td>President’s Suite, Administration Hall, A-200</td>
<td>301.846.2457</td>
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<td>Vice President for Learning</td>
<td>Learning, Science &amp; Technology Building, C-200</td>
<td>301.846.2491</td>
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<td>Vice President for Learning Support</td>
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<td>Writing Center</td>
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*Classroom/Student Center—opening spring 2010.* Some services will be relocating to the new building including the Cougar Grille, Bookstore, Center for Student Engagement and student government association.
The College

A History

In its 51-year history, the college has grown from 77 students to more than 18,000 students registered annually in academic and continuing education programs. Started in 1957 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.

The mission of the college is a comprehensive one that meets a diversity of human and community needs, while maintaining high-quality educational programs at affordable costs. FCC awards associate of arts, associate of arts in teaching, associate of applied sciences and associate of sciences 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 baccalaureate degree. The college offers an array of career-oriented programs that prepare students for immediate employment after graduation. The continuing education/customized training division offers noncredit 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 about 26; about 62 percent attend part time, and 63 percent plan to transfer to four-year colleges. The college understands the special scheduling and counseling needs of the adult part-time student and offers convenient evening and weekend classes, as well as online courses.

The Campus

The 97-acre campus encompasses an Arts & Student Center that includes a cafeteria, art gallery, bookstore and 400-seat theater; the Library Building; Field House and gymnasium; three classroom buildings with faculty offices, administrative space, science and computer laboratories; lecture hall, Conference Center and Children’s Center. The college also shares space with the Frederick County Public School System at the Career & Technology Center. An Administrative Services Building recently opened, and construction is underway for a new Student Center. The new Advanced/Workforce Training Center on Monroe Avenue opened in late 2008.

Institutional Identity

A. Character and Purpose

Frederick Community College prepares students to meet the challenges of a diverse, global society through quality, accessible, innovative, lifelong learning. We are a student-centered, community-focused college. FCC offers degrees, certificates, and programs for workforce preparation, transfer, and personal enrichment to enhance the quality of life and economic vitality of our region.

Our core values are:

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.

B. Functional Emphasis

The primary emphasis of FCC is teaching/learning. Student learning outcomes are assessed to measure program and course effectiveness. FCC supports the highest level of student performance through comprehensive student services, creative partnerships, and leading-edge technology. FCC is committed to evaluating and promoting faculty on their success in facilitating learning and on the discipline expertise and scholarship they bring to the learning process. Faculty excellence is maintained through professional development and rigorous evaluation. The faculty evaluation process consists principally of peer review of a teaching portfolio which includes student ratings, peer teaching observations, annual administrative evaluations, and personal reflection of performance.

C. Degree Levels

FCC offers associate of arts, associate of arts in teaching, associate of sciences and applied science degrees, as well as certificates and letters of recognition in career programs.

D. Current Carnegie Classification

Associate of Arts College

Vision Statement “Student Learning First”

FCC is a premier student-centered learning college where students, faculty, and staff work together for student success.

GOAL 1: Enhance student learning.

Objectives:

1. The college curriculum, programs, and services for students, including emerging student populations, are appropriate and support their individual needs.

2. Efforts to promote academic success, retention, and outcomes assessment are effective and well coordinated.

GOAL 2: Foster an inclusive climate that values and promotes diversity.

Objectives:

4. The college demonstrates a culture of inclusion that respects and appreciates the human condition.

5. Maintain institutional vitality in an increasingly diverse society by improving the representation of employees of color in faculty, administrative, and support staff positions.

GOAL 3: Enhance employee work life to promote learning.

Objectives:

6. Employee renewal, retention, and replacement plan meets the projected demand for new employees over the next five to ten years.

7. The Employee Development Program is comprehensive, accessible, and responsive to individual development plans, mandatory training requirements, and short- and long-term organizational needs.

8. Compensation is appropriate and promotes a climate where employees are rewarded and recognized for their contributions.

GOAL 4: Ensure the college systems and practices support learning.

Objectives:

9. Institutional improvement is facilitated by strategic use of assessment data.

10. Streamlined policies and procedures are disseminated and consistent at college and unit levels.

11. Unit level planning is effective at all levels of the organization and integrated with the Strategic Plan.

GOAL 5: Sustain and improve the college’s enrollment, facilities, linkages with the community, technology, and financial viability.

Objectives:

12. Credit and CEF/CT enrollment reflect growth that ensures quality and serves the community.

13. High-quality facilities and innovative technologies are evident across the entire campus and in all areas.

14. Public and private funding are effectively balanced to strengthen and maintain a quality learning environment.
Community Outreach

The FCC Foundation, Inc.
The FCC Foundation, Inc. is a 501(c)(3) not-for-profit foundation which exists to promote, augment, and further the educational purposes and programs of Frederick Community College and to provide scholarship aid for eligible students. The Foundation manages more than $6,000,000 and maintains an endowment base that exceeds $4,500,000, managed by an independent 24-member Foundation board. This group of college ambassadors remains committed to continuing in the tradition of providing outstanding private support for priority needs of the college. Contributions to the Foundation are tax deductible as charitable donations subject to IRS regulations.

The Foundation welcomes many types of cash gifts and bequests including planned giving arrangements, employer matched giving programs, individual and corporate challenge matched funding programs, and gifts of stock and bonds. Current financial statements will be provided upon request. For more information, please contact the Foundation Office at 301.846.2438 or foundation@frederick.edu.

- Richard Haney, Ed.D., Chief Development Officer  
  301.624.2851 or rhaney@frederick.edu
- Kim Johnson, Assistant Director  
  301.624.2713 or kjohnson@frederick.edu
- Stacey Lowman, Corporate & Foundation Relations Officer  
  301.846.2439 or slowman@frederick.edu
- Akeembra Grady, Coordinator of Annual Giving & Alumni Relations  
  301.624.2851 or agrady@frederick.edu
- Verna Bernoi, Senior Accountant/CPA  
  301.624.2818 or vbernoi@frederick.edu

Alumni Association

Membership in the FCC alumni association offers former FCC students an opportunity to have a positive effect on the community, honor distinguished and outstanding alumni, and help the college provide scholarship support through various fundraising activities. The association sponsors events and activities that are open to students and members of the community. These activities raise funds for scholarships and give the association an opportunity to represent FCC in the community. The association meets regularly and all alumni are welcome. Contact the Institutional Advancement office at 301.624.2851 or alumni@frederick.edu.

Catoctin Center for Regional Studies

Created in 1998 by Frederick Community College and the National Park Service, the mission of the Catoctin Center for Regional Studies is to research and study the history and culture of central Maryland and the border areas of neighboring states. This region, in the midst of the Catoctin Mountain range, encompasses an area rich in history and cultural heritage, and one that has long been a crossroads of people and ideas. As more people enter this region, with consequent pressures to alter the existing landscape, both natural and built, there is a greater need to recover, analyze, and interpret the historical forces that shaped the region, and to assist the public in a continuing discussion about what is important to value and preserve.

The Catoctin Center publishes “Catoctin History,” a biannual magazine that explores the history and culture of the region. It is available by subscription ($10 per year).

Research projects and internships provide students with opportunities to apply classroom concepts to real world situations; develop skills in data collection, preservation, and analysis; and discover something about themselves by studying the past. For more on the center and current projects, see the Web page http://catoctincenter.frederick.edu or contact Dr. Barbara Powell, FCC coordinator, at 301.846.2803.

Jack B. Kussmaul Theater

The Jack B. Kussmaul Theater, located in the Arts & Student 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, FCC students and faculty. For additional information, call 301.846.2513.

The Children’s Center

The Carl and Norma Miller Children’s Center provides 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 program offers 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 at the FCC Web site, www.frederick.edu.

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.

Application for the use of campus facilities must be in writing on a form provided by the college and signed by a responsible agent of the requesting organization or group. Applications should be submitted to the facilities coordinator. Although availability of space may be confirmed verbally, authorization for use requires written approval. Application forms must be received by the college at least two weeks prior to the date of intended use. Included with the application must be a certificate of liability insurance form in the amount of one million dollars. The college may deny any application filed less than two weeks prior to the scheduled use.

The college reserves the right to revoke an applicant’s approval to use its facilities if the college determines that any information contained in the application is false or misleading. For further information on use of facilities, call 301.846.2671.
Admission to Frederick Community College shall be granted on a space-available basis regardless of the race, religion, gender, color, national origin, ancestry, age, sexual orientation, marital status, physical or mental disability of otherwise qualified individuals and any other category protected by federal, state or local law.

Admission to the college does not, however, guarantee admission to all programs of study and courses. The President (or his/her designee) is authorized to establish minimum standards for admission to limited-enrollment programs as well as criteria to rank applicants for admission to such programs.

Admission will be granted based on verifiably accurate application materials, which may include the application for admission, academic transcripts, test data, and other appropriate educational or vocational credentials, and/or where required, evidence of physical exams or test results.

The college administration reserves the right to define the classification of each student at the college. 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 as required by law.

1. Admission into credit courses or programs will be granted to those who are 16 years old or older, possess a high school diploma or equivalent, or are enrolled in a program of study leading to a high school diploma or equivalent, and/or demonstrate the ability to benefit from the college’s learning programs. Additional criterion has been established to govern the admission of those less than 16 years of age.

2. Admission into Continuing Education courses and programs will be granted to those who are 16 or older or are enrolling in those courses specifically designated for younger ages. Additional criterion has been established to govern the admission of those less than 16 years of age.

3. Admissions Classification

a. Full-time students are those who enroll in course work of twelve (12) credit hours or more during the fall or spring semesters, or who are enrolled for a total of twelve (12) credit hours cumulatively for the summer sessions.

b. Part-time students are those who enroll in course work of less than twelve (12) credit hours during the fall or spring semesters, or who are enrolled for a total of less than twelve (12) credits cumulatively for the summer sessions.

c. Freshman students are those who have completed 27 or fewer credit hours.

d. Sophomore students are those who have completed 28 or fewer credit hours.

e. Students may pay their bill at the Cashiers Office or pay online within the established timeframe. Students receiving financial aid will have their aid credited to their account, although they will be responsible for paying any remaining charges.

f. Students must purchase their books which are available through the FCC Bookstore.

4. Special Admissions – the following admission categories have conditions which must be met in order for the individual applying for admission under the category to be admitted into credit courses or programs.

a. Transfer students are those students who have attended another institution of higher learning prior to their enrollment at Frederick Community College.

b. Re-admit students are those who attended FCC previously but not during the previous four fall and spring semesters (exclusive of the summer semesters).

c. Degree-seeking students are those students pursuing an Associate’s Degree.

h. Certificate-seeking students are those students who are pursuing a Certificate of Accomplishment.

i. Courses of interest students are those students who are pursuing neither an Associate’s Degree nor Certificate of Accomplishment.

j. Special Admissions – the following admission categories have conditions which must be met in order for the individual applying for admission under the category to be admitted into credit courses or programs.

**Admission Procedures**

**Application Procedures**

**Introduction**

Frederick Community College offers credit courses and programs as well as Continuing Education courses and programs. The following procedures govern application and admission into credit and continuing education courses and programs.

A. Procedures for Credit Courses or Programs

1. Application Procedures

   a. Complete and submit an application for admission and submit proof of residency if requested.

   b. Submit copy of high school and/or college transcript(s), ACT and/or SAT scores, Advanced Placement scores, military transcripts, CLEP scores, and/or transcripts from American Council on Education (ACE) recognized organizations.

   c. Complete the Federal Application for Student Aid (FAFSA) if applying for financial aid.

   d. Students should bring completed registration forms to the Office to schedule a new student advising session.

   e. Students should contact the Counseling and Advising Office or other Student Development program including Services for Students with Disabilities.

   f. Students requesting this accommodation should contact the Services for Students with Disabilities program.

2. Admissions Procedures

   a. All new incoming students, unless otherwise exempted, are required to take assessment tests for reading, writing, and mathematics. Once placement tests have been completed or materials that exempt a student from placement testing have been submitted, students should arrange to meet with an academic advisor. Students should contact the Counseling and Advising Office or other Student Development program including Multicultural Student Services, Office of Adult Services, or Services for Student with Disabilities.

   b. All new students are expected to attend a new student advising session that is offered to assist students in becoming familiar with academic requirements, college procedures related to course registration, and academic support services available to the student. Office of Adult Services students will participate in the new student advising process through their intake interview; all other students should contact the Counseling and Advising Office to schedule a new student advising session.

   c. Recent high school graduates who plan to attend FCC in the fall semester are required to attend the freshman registration and orientation programs which are held throughout the spring and summer. Students meet individually with a counselor or faculty advisor to plan their fall schedule and preregister for chosen classes.

   d. Students should bring completed registration forms to the Welcome & Registration Center or may register online to complete the registration process.

   e. Students may pay their bill at the Cashiers Office or pay online within the established timeframe. Students receiving financial aid will have their aid credited to their account, although they will be responsible for paying any remaining charges.

   f. Students must purchase their books which are available through the FCC Bookstore.
a. 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 college courses. Students must be at least twelve (12) years of age and have completed the seventh grade or equivalent education.

Students must demonstrate exceptional academic or fine art talent and be deemed able to adhere to the college's standards of behavior. In addition to submitting the standard application for admission, students must submit documentation to enable an appropriate admission decision, which includes, but may 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.

i. Exceptional academic talent

1) Documentation of a combined test score of 1200 on the mathematics and critical reading parts of the SAT (with no less than 550 in either the mathematics or critical reading subparts) or a score of 22 on all sections of the ACT.

2) 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. Such students will not be allowed to register in consecutive semesters without a grade report from the previous semester.

3) 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.

b. English as a Second Language (ESL) Students

i. Complete and submit an application for admission and submit proof of residency.

ii. Take the ESL placement test in the Testing Center (allow three hours for testing). Obtain a copy of the ESL exam results.

iii. Schedule an appointment with the ESL program manager, and bring a copy of the ESL exam scores to the appointment.

iv. Students must obtain minimum placement scores on the ESL placement test to enroll in credit ESL courses. Students whose scores fall below the established minimum will be limited to enrollment in continuing education ESL courses until such time that they are able to demonstrate proficiency required for enrollment in credit ESL courses.

v. The ESL program manager will assist students in developing an academic plan and schedule. If a student is interested in a specific career program, the career program manager should be notified by the ESL program manager prior to completion of an academic plan. Once the schedule is completed, students should register at the Welcome & Registration Center.

vi. Students may pay their bill at the Cashier's Office or pay online within the established timeframe.

vii. A student attending the college under the F-1 Visa will be classified as an out-of-state resident for the purposes of tuition and fees for as long as he/she is enrolled at the college.

viii. International and foreign national students with other types of visas may also be eligible to attend the college. In addition to meeting the college's standard admissions procedures, the student must present proof of immigration status and type.

ix. Tuition rates for International and Foreign National Students

A foreign national lawfully admitted for residence in the United States may be considered a resident for tuition purposes if he/she meets the domicile requirements stated in this policy. 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 admitted to the United States on certain visa types with an indeterminate authorized stay may be considered as a resident for tuition purposes if the domicile requirements of this policy have been satisfied. The following visa types determine residency as indicated:

1) Students must submit an application for admission and complete an interview with the associate vice president for student development prior to completing the admissions process.

2) 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. Such students will not be allowed to register in consecutive semesters without a grade report from the previous semester.

3) 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.
Frederick Community College 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. 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. Please note that some FCC programs of study require a grade of "C" or better in all (or some) courses. These are noted in the "Programs of Study" section of the college catalog.

The following sources will be 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) credit by examination (e.g., CLEP, Advanced Placement, Dante, FCC credit by examination), 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 accredited by the American Council on Education, 5) credit received through Frederick County Public Schools' (FCPS) articulation agreements.

All transcripts received in the Welcome & Registration Center are the property of the college and cannot be released to the student; they 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.

b. Readmitted Students
A student who has taken courses at Frederick Community College, but not during the previous fall and spring semesters (exclusive of the summer semesters), is required to complete an application for readmission. Advising procedures for a readmitted student are the same as those for a current student at the college. A readmitted student who had transcripts or military documents evaluated under a different program of study when he/she was previously enrolled at Frederick Community College should complete a request for reevaluation of credits form available in the Welcome & Registration Center, or online at www.frederick.edu. Students will be assigned to the current catalog year.

c. (Non-Native or Transient Students) Transfer Back to Home College or University
Students who are currently enrolled at another college or university but who wish to earn credits at Frederick Community College for transfer back to their home college or university should obtain a "permission to enroll" form from that institution to ensure that the courses taken at FCC are appropriate choices for the student and the student has met the prerequisite(s) for the course(s). Students who do not have this form must present a transcript to prove they have met the FCC course(s) prerequisite(s).

d. Concurrent Enrollment of High School Students (Open Campus Program)
Students sixteen years of age and older may enroll in college courses while concurrently enrolled in high school. Students who are currently enrolled in a Frederick County public high school, and who are taking FCC classes during the normal high school hours of operation, must first obtain approval from their high school on the day prior to registration. Students enrolled under concurrent enrollment (Open Campus) are subject to the same assessment and placement policies and procedures as other students. All Open Campus students must also participate in an orientation and meet with a counselor prior to registration.

e. Dual Enrollment of High School Students
Students may enroll in college credit courses and use these courses for high school graduation credit as well as college credit if granted permission to do so by the Frederick County Public Schools. Students must contact their high school guidance office for further information.

f. Home School Students
Students who are home schooled and over the age of 16 follow the college's standard admissions procedures for new students. Home schooled students under the age of sixteen, however, must follow procedures set forth in admission of Gifted and Talented students.

g. Military Personnel and Veterans
Frederick Community College welcomes the opportunity to assist military personnel, their families, and veterans in achieving their educational goals. The college is a member of the Service Members Opportunity College (SOC) and participates in the Veterans' Educational Assistance Program. The Frederick Community College veterans' office assists students in applying for their educational benefits. Students applying for veterans' benefits are required by the Veterans Administration to be enrolled in an approved Associate's degree or certificate program.

h. Non-High School Graduates
Applicants who have not completed either a formal high school diploma program or completed a General Equivalency Diploma (GED) are eligible to apply for admission to the college. Students are admitted and enrolled in accordance with general admissions policies and procedures. Non graduates of high school should meet with an advisor prior to enrolling for classes to discuss career and educational goals.

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<th>Out-of-State</th>
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<tbody>
<tr>
<td>A</td>
<td>(Diplomats, family, staff)</td>
<td>In-County</td>
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<tr>
<td>B</td>
<td>(Temporary visitor)</td>
<td>Out-of-State</td>
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<tr>
<td>C</td>
<td>(Aliens in transit)</td>
<td>Out-of-State</td>
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<tr>
<td>D</td>
<td>(Treaty trader-Taiwan only)</td>
<td>In-County</td>
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<tr>
<td>E</td>
<td>(Student and dependents)</td>
<td>Out-of-State</td>
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<tr>
<td>F</td>
<td>(Rep. of a world organization)</td>
<td>In-County</td>
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<tr>
<td>G</td>
<td>(Foreign media/journalist)</td>
<td>In-County</td>
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<tr>
<td>H or TN</td>
<td>(Temporary worker)</td>
<td>In-County</td>
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5. Other Categories of Admission

a. Transfer Students
A student may be enrolled with advanced standing from other accredited institutions of higher education and the transfer of credits will be considered on the basis of applicability to the student's chosen program of study. A student:

i. Must complete the college's standard admissions procedures.

ii. Must arrange for the previous institution(s) attended to send an official transcript directly to the Welcome & Registration Center or provide an official copy in an unopened, sealed envelope.

iii. Should arrange an appointment with the college's counseling and advising office to plan his/her program of study.

iv. Must complete 15 credits taken in residency at Frederick Community College if the student plans on obtaining the Associate's Degree; must complete three credits at FCC if the student plans on obtaining the Certificate of Accomplishment.

Frederick Community College 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. 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. Please note that some FCC programs of study require a grade of "C" or better in all (or some) courses. These are noted in the "Programs of Study" section of the college catalog.
Some programs of study require a high school diploma or GED. The college strongly encourages students to complete their high school graduation requirements or obtain their GED prior to applying for admission. Eligibility for financial aid programs may be affected by the absence of a high school diploma or GED. Students who wish to seek the GED should contact Frederick County Public Schools’ Adult Basic Ed/GED program.

6. Special Programs of Study

The college offers several programs that have a selective admissions process. Program faculty are responsible for the criteria and protocols that govern admissions. For each of the selective admissions programs, the most current procedures are included in the college catalog and on the college’s Web site at www.frederick.edu. These programs include: Associate Degree Nursing (ADN), Practical Nursing Certificate, Emergency Medical Services — Intermediate Paramedic (EMS), Nuclear Medicine (NM), Respiratory Care (RC), Surgical Technology (ST), and the Honors College.

1. Admissions Procedures

   a. Students should be at least 16 years old to enroll in most continuing education courses, except for those courses specifically designed for younger students. Students who are under the age of 16 and who have completed at least the seventh grade may be permitted to enroll on a case-by-case basis, as described in the section on Special Admissions. Certain programs or courses of study include higher minimum age for participation when the college has determined that age is a factor necessary to the normal operation of the program or activity.

   b. Students seeking admission into continuing education courses should submit a completed registration form. Forms may be submitted in person at the Welcome & Registration Center, by fax, or by mail. Online registration is available only to previously admitted students or students who have requested an online registration identification. Registration for continuing education courses will be accepted up to the scheduled start date of the class. To allow for processing, faxed or mailed registrations should be submitted two weeks prior to the start of the course. Confirmation of registration is mailed within three business days of receipt of faxed or mailed registration.

   c. Some courses or programs require completion of FCC assessment tests, which are administered at the Testing Center. Students should request admission to the college at the Welcome & Registration Center to obtain a student ID number, required to take assessment tests.

   d. Some courses or programs require documentation of external certifications (e.g., CPR), physical examinations and/or proof of health status, and/or tools, uniforms, or other equipment. Requirements are noted in the course description.

   e. Payment or purchase order must accompany registration.

   f. Unless otherwise noted, books required for courses must be purchased by the student and are available through the FCC Bookstore.

2. Special Admissions

   a. 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 college courses. Students must be at least twelve (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 the college’s standards of behavior. In addition to submitting the standard application for admission, students must submit documentation to enable an appropriate admission decision, which includes, but may 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.

      i. Exceptional academic talent

         Documentation of a combined test score of 1200 on the mathematics and critical reading parts of the SAT (with no less than 550 in either the mathematics or critical reading subparts) or a score of 22 on all sections of the ACT. Designation as a PSAT/NMSQT finalist or Semi-finalist will also suffice.

         or

         Placement at the college level in all areas of the college’s assessment tests.

      ii. 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.

   b. Home School Students

      Students who are home schooled and over the age of 16 follow the college’s standard admissions procedures for new Continuing Education students. Home schooled students under the age of 16, however, must follow procedures set forth in admission of Gifted and Talented students unless enrolling in a Continuing Education Home School Enrichment course designed for specific age groups.

3. Special Programs of Study

Continuing Education offers several programs that have a selective admissions process. Program faculty are responsible for the criteria and protocols that govern admissions. For each of the selective admissions programs, the most current procedures are included in course and/or program description printed in the schedule of courses.

Special Programs of Study

Associate Degree Nursing and Practical Nursing Certificate

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

   i. Complete and submit an application for admission and provide proof of residency.

   ii. Complete and submit a separate application for the ADN clinicals or PN clinicals by February 1 preceding expected fall semester entrance and September 15 for expected spring semester entrance. Clinical applications are available from the allied health and wellness department, the Welcome & Registration Center, or online at www.frederick.edu. Residents of Frederick County are given priority consideration for admission.

   iii. Submit official transcripts from all previously attended colleges and universities to the Welcome & Registration Center.

   iv. Complete FCC’s assessment testing unless otherwise exempted.

   v. Arrange for an appointment with the allied health advisor.

   vi. 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 B103, BI 104, and BI 120 by the end of the semester prior to the start date and send all official college transcripts from other colleges and universities to the Welcome & Registration Center by January 25 for day option and September 15 for evening/weekend option.
admission to the college

vii. A point system is used to select candidates for admission to the clinical portion of the ADN program. Points are assigned for non-clinical courses completed, residency, and grade point average (GPA) in the courses listed below. Honors courses count for an extra half-point per credit in the nursing GPA calculation. 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. The students with the highest point total are offered admission to the clinical portion of the ADN program. 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.

Criteria for Admission to the ADN Clinical Class

<table>
<thead>
<tr>
<th>Course</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 103</td>
<td>2</td>
</tr>
<tr>
<td>BI 104</td>
<td>2</td>
</tr>
<tr>
<td>BI 120</td>
<td>2</td>
</tr>
<tr>
<td>EN101</td>
<td>1</td>
</tr>
<tr>
<td>Math Elective</td>
<td>1</td>
</tr>
<tr>
<td>PS101</td>
<td>1</td>
</tr>
<tr>
<td>SD101</td>
<td>1</td>
</tr>
<tr>
<td>CMSP 105, 107 or 103</td>
<td>1</td>
</tr>
<tr>
<td>Humanities Electives</td>
<td>1</td>
</tr>
<tr>
<td>Arts Elective</td>
<td>1</td>
</tr>
<tr>
<td>ED/PS208</td>
<td>1</td>
</tr>
<tr>
<td>GPA: 3.5 or higher</td>
<td>4</td>
</tr>
<tr>
<td>3.4-3.0</td>
<td>3</td>
</tr>
<tr>
<td>2.9-2.5</td>
<td>2</td>
</tr>
<tr>
<td>2.4-2.0</td>
<td>1</td>
</tr>
<tr>
<td>Frederick County Resident</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL POSSIBLE 21

Criteria for Admission to the PN Clinical Class

<table>
<thead>
<tr>
<th>Course</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 103</td>
<td>3</td>
</tr>
<tr>
<td>BI 104</td>
<td>3</td>
</tr>
<tr>
<td>BI 120</td>
<td>3</td>
</tr>
<tr>
<td>EN101</td>
<td>2</td>
</tr>
<tr>
<td>ED/PS208</td>
<td>2</td>
</tr>
<tr>
<td>Frederick County Resident</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL POSSIBLE 16

viii. Students with equal point totals will be ordered by GPA from highest to lowest.

ix. 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.

x. Students not gaining admittance to the ADN clinical class and wishing to be considered for the next clinical class will compete within the general applicant pool.

xi. A student who fails NU 101 and wants to return to a future clinical class will be offered the opportunity to join the pool of applicants for the following year.

Nuclear Medicine Technology (NM)

Students must submit a Nuclear Medicine Technology application to the Department of Allied Health and Wellness by the posted deadline of April 1 for fall admission. In addition, the following must be met:

i. Completion of the 7 core courses (BI 103, BI 104, CH 101, PY 101, MA 111, MA 206 and CIS 101) by August prior to the program start date.

ii. A minimum overall GPA of 2.00 is required for previous core prerequisite college work. Competitive GPAs for accepted applicants are typically much higher than the minimum requirements.

iii. Have all official transcripts from colleges/universities sent to the Welcome and Registration Center by April 1.

iv. All applicants must document at least four hours of shadowing/observation in nuclear medicine technology, prior to or concurrent with application. **Additional shadowing (40-50 hrs.) is recommended for applicants who have no prior health care work experience. This experience can be arranged by contacting a convenient institutional imaging or therapy department. Documentation must be submitted directly to the department on facility letterhead and signed by an authorized agent of the facility where the shadowing/observation was conducted.

v. Submission of a 1-2 page paper discussing your shadowing experience. All papers must be typed, double spaced, printed and stapled, and must include your name and FCC Student ID number. Papers not meeting these criteria will not be accepted or reviewed. Papers will be due the day of your application interview. Please see rubric online for grading guide.

vi. Schedule and attend application interview.

The selection process is based on a point system. The points will only be assigned to those students that have applied to Frederick Community College and also completed and submitted the Application for Nuclear Medicine Technology.

Admission decisions are based on completion of course requirements, college grade point averages from the seven core prerequisites; personal interviews; and assessment of motivation, knowledge of the discipline(s) and personal qualities appropriate for the profession and for successful completion of the program.

Students with the highest point total will be accepted conditionally into the Nuclear Medicine Program and will be informed of their status on or before May 1st.

Students with equal point values will be ordered by GPA from highest to lowest.

Students not gaining admittance to the Nuclear Medicine Program and wishing to be considered for the next year must reapply.

*Acceptance is contingent upon the completion of prerequisites you are taking in the spring and summer semesters with a “C” or better.

**This is only a recommendation. It is not mandated for program admission.

Criteria for Selecting into the Nuclear Medicine Technology Program

<table>
<thead>
<tr>
<th>Subject</th>
<th>Points</th>
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<tbody>
<tr>
<td>BI103</td>
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</tr>
<tr>
<td>BI104</td>
<td>2</td>
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<tr>
<td>CH101</td>
<td>2</td>
</tr>
<tr>
<td>PY101</td>
<td>2</td>
</tr>
<tr>
<td>MA111</td>
<td>2</td>
</tr>
<tr>
<td>MA206</td>
<td>2</td>
</tr>
<tr>
<td>CIS101</td>
<td>2</td>
</tr>
<tr>
<td>Frederick County Resident</td>
<td>1</td>
</tr>
<tr>
<td>GPA: 4.00-3.50</td>
<td>5</td>
</tr>
<tr>
<td>3.49-3.00</td>
<td>4</td>
</tr>
<tr>
<td>2.99-2.50</td>
<td>3</td>
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<td>2.49-2.00</td>
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</tr>
<tr>
<td>Application Interview</td>
<td>3</td>
</tr>
<tr>
<td>Shadowing Paper</td>
<td>2</td>
</tr>
</tbody>
</table>

TOTAL = 25

Respiratory Care (RC)

Enrollment in the clinical portion of this program is limited by the availability of staff and facilities. To be considered for admission, students must:

i. Complete and submit an application for admission and submit proof of residency if required.

ii. Complete and return a separate application for the RC clinicals by the specified deadline date.

iii. Submit official transcripts from all previously attended colleges and universities to the Welcome & Registration Center.

iv. Complete FCC’s assessment tests unless otherwise exempted.

v. Schedule an appointment with the allied health advisor.

vi. Students must have 6 points to be considered.

Criteria for Admission to the Respiratory Care Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN50A</td>
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</tr>
<tr>
<td>EN52</td>
<td>1</td>
</tr>
<tr>
<td>MA82</td>
<td>1</td>
</tr>
<tr>
<td>EN101</td>
<td>1</td>
</tr>
<tr>
<td>PS101</td>
<td>1</td>
</tr>
<tr>
<td>BI103</td>
<td>1</td>
</tr>
<tr>
<td>BI104</td>
<td>1</td>
</tr>
<tr>
<td>BI20</td>
<td>1</td>
</tr>
<tr>
<td>Gen Ed Math</td>
<td>1</td>
</tr>
<tr>
<td>Gen Ed Communications</td>
<td>1</td>
</tr>
<tr>
<td>PE/Health Elective</td>
<td>1</td>
</tr>
<tr>
<td>GPA: 3.0 or higher</td>
<td>1</td>
</tr>
<tr>
<td>Internship (observe a therapist)</td>
<td>1</td>
</tr>
<tr>
<td>Residency—Mid-MD Applicant (Carroll and/or Howard County)</td>
<td>1</td>
</tr>
<tr>
<td>Residency — Frederick County</td>
<td>1</td>
</tr>
</tbody>
</table>

TOTAL = 14
Surgical Technology (ST)
Enrollment in the clinical portion of ST is limited by the availability of staff and facilities. Normally, 20-25 students are admitted each year. To be considered for admission, students must:

i. Complete and submit an application for admission and submit proof of residency if required.
ii. Complete and return an application for the ST program by April 22 to be given first priority for admission. Late applications will be accepted and reviewed as received.

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. Students who do not meet the minimum total points for the top 20-25 seats will be placed on a waiting list.

Criteria for Student Selection into the Surgical Technology Class

<table>
<thead>
<tr>
<th>Course</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completes application by April 22</td>
<td>3</td>
</tr>
<tr>
<td>EN50A</td>
<td>1</td>
</tr>
<tr>
<td>ENS2</td>
<td>1</td>
</tr>
<tr>
<td>MA81</td>
<td>1</td>
</tr>
<tr>
<td>MA91</td>
<td>1</td>
</tr>
<tr>
<td>BI103 (within last three years)</td>
<td>2</td>
</tr>
<tr>
<td>BI104 (within last three years)</td>
<td>2</td>
</tr>
<tr>
<td>BI103 (over three years old)</td>
<td>1</td>
</tr>
<tr>
<td>BI104 (over three years old)</td>
<td>1</td>
</tr>
<tr>
<td>BI115</td>
<td>2</td>
</tr>
<tr>
<td>CMSP103, 105, 107</td>
<td>1</td>
</tr>
<tr>
<td>Frederick Co. Resident</td>
<td>1</td>
</tr>
<tr>
<td>AA or other degree</td>
<td>2</td>
</tr>
<tr>
<td>TOTAL POSSIBLE</td>
<td>15</td>
</tr>
</tbody>
</table>

Total points based on completing BI 103 and 104. Total will be less if student completes BI 115.

Admission Policy for Honors College
Membership in the Honors College is by invitation. Students automatically qualify with high scores on the SAT (1100 overall & 550 verbal), ACT (a score of 21 on the Reading and/or English portion), or FCC placement exams (Honors level reading and college level writing). However, applicants with strong academic records or faculty recommendations may also qualify. Contact Counseling & Advising at 301.846.2471 or the Honors Coordinator at 301.846.2535 to determine eligibility.

Academic Assessment & Placement Policy & Procedures

Policy (rev. 4/16/08):
All new incoming students, unless otherwise exempted, must undergo a comprehensive skills assessment in the areas of reading, writing, mathematics, and study skills before initial enrollment in credit-level courses, developmental, and designated continuing education courses. Assessment scores will be used to determine the proper placement in the appropriate program, based on the individual student’s needs. Students whose assessment scores indicate placement in a developmental program will be required to enroll in and satisfactorily complete developmental and/or English as a second language (ESL) coursework designed to provide these skills.

Procedures (rev. 4/28/08):
A. Prior to beginning courses requiring developmental and/or ESL coursework, students must satisfactorily complete all applicable developmental and/or ESL prerequisites.

B. Degree-seeking students must complete all required developmental English and/or ESL coursework before completing their first 15 college-level credits. Degree seeking students must begin and continue to progress in their developmental mathematics sequence before completing their first 15 college-level credits.

C. Students who place in all lowest level reading, writing and mathematics assessments may be limited in the number of courses they are allowed to take.

D. Students whose assessment scores indicate placement in a developmental program will be required to enroll in and satisfactorily complete developmental and/or English as a second language (ESL) coursework designed to provide these skills.

E. Students who enroll in a developmental reading, writing, and/or mathematics course will not be allowed to retest, without both the instructor and developmental coordinator’s approval. If students have enrolled in a developmental course and then withdrawn, they are still considered “enrolled in the sequence of courses” and may not retest in that area even if they have only taken the appropriate placement test one time.

F. Students not meeting the minimum requirement for developmental coursework are required to enroll in an alternative Continuing Education program. To enter developmental coursework, students must retest at or above the minimum placement requirement and provide evidence of satisfactory completion of the Continuing Education program.

G. Maryland Community College placement guidelines include:

1. Placement tests will be valid for two years.

2. Standardized placement cut scores have been determined for reading, writing, and mathematics.

3. Students with disabilities should be accommodated for assessments.

4. Students should be allowed to retest only once, should not be allowed to retest sooner than 24 hours after the initial test, and will not be allowed to retest once enrolled in a developmental sequence.

5. High school grades alone will not determine placement.

H. Frederick Community College has a commitment to providing all students with the best chance for academic success. Therefore:

1. Students whose native language is not English must complete an English language assessment test designed for non-native speakers.

2. Students requesting placement testing accommodations other than extended time should contact the Service for Students with Disabilities Office at least two weeks prior to taking placement tests.

3. Students who are under the age of 16 are subject to the placement testing guidelines as outlined in the gifted and talented admissions criteria.

4. Because of the mission of developmental education, a minimum cut score has been developed for students to be eligible to enroll in developmental coursework.

5. Students whose academic assessments meet the criteria for admissions to honors course work will be advised accordingly.

I. Exemptions:

1. Students who transfer from accredited institutions of higher education who present official transcripts indicating successful completion (2.0 grade point average) of the equivalent of at least 12 college credits will be exempted from the reading placement test if 6 credits are general education courses.

2. Students who have successfully completed the equivalent of FCC’s EN101 at an accredited U.S. institution or who have been awarded credit for the equivalent of EN 101 through Advanced Placement or CLEP exams.

3. Students who have successfully completed a general education mathematics course at an accredited U.S. institution, at the level of college algebra or higher, or who have been awarded credit for the equivalent general education mathematics course through Advanced Placement or CLEP exams.

4. Students who have provided a copy of their SAT/ACT exemption scores that meet the exemption criteria set by Maryland Community College placement guidelines.

a. Students with a score of 550 or above on the math section of the SAT or a score of 21 or above on the math section of the ACT are exempted from the math placement test. SAT and ACT scores are valid for five years.

b. Students with a score of 550 or above on the critical reading section of the SAT or a score of 21 or above on the English section of the ACT are exempted from the math placement test. SAT and ACT scores are valid for five years.

c. Students with a score of 550 or above on the critical reading section of the SAT or a score of 21 or above on the reading section of the ACT are exempted from the reading placement test. SAT and ACT scores are valid for five years.

5. Students from Frederick County Public School (FCPS) who have taken Algebra II or higher in their senior year and received a grade of A or B are exempted from taking the math placement test. This exemption expires one year after they graduate from high school.
6. Students who provide a copy of their official Accuplacer or Compass score(s) and meet the placement criteria for no developmental reading, writing, or mathematics. Scores will be evaluated and assigned course placement(s) based on FCC standards.

7. Students who have provided an official transcript indicating satisfactory completion of the highest level developmental course work in reading, writing, or mathematics at another Maryland community college will be exempted from the corresponding placement test(s) at FCC. ESL course work does not apply.

8. Students from other institutions who present a Permission to Enroll form.

9. Students who are non-certificate seeking, non-degree seeking and selects Courses of Interest and are enrolling in courses with no prerequisites.

10. Students who are otherwise exempted by the Associate Vice President for Teaching & Learning or his/her designee.

**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 & Registration Center.

**Change of Student Information**

Students who change their address during the year are responsible for completing a “Change of Address” form in the Welcome & Registration Center and provide documentation (list of appropriate documents available in the Welcome Center).

**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, at 5:00 and 7:45 p.m.

**Non-Standard/Accelerated Format Classes**

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

**Course Blackboard Requirements**

Some course sections may require that the student have access to the course Blackboard Web site. Students enrolled in those courses are expected to participate through the Blackboard format using their own or appropriate college-available computers.

**Distance Learning Opportunities**

Students who find it difficult to attend courses on campus may consider distance-learning options offered by the college. These include FCC on the Web and Maryland Online.

**FCC on the Web**—Frederick Community College offers two types of courses over the Internet: online courses and hybrid courses. Hybrid courses require the student to attend classes sessions on campus, online courses do not.

Online courses are taught entirely over the Internet. The student typically accesses a course Web site to participate in discussions and to find assignments and other materials for the course. A textbook is usually required. Communication with the instructor is mostly by email and/or telephone. Varying from course to course, tests and exams are online but some are proctored in the Testing Center on the home campus.

Hybrid courses are Internet courses with a number of mandatory class sessions on campus. The student typically accesses a course Web site to find assignments and other materials for the course. The student goes to regular class sessions on campus to participate in discussions or labs, for example. A textbook is usually required. Communication with the instructor includes email. Varying from course to course, tests and exams are both online and on campus.

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 Microsoft Internet Explorer. Some classes also require CD-ROM capability. Students must have an e-mail address. Classes may be paired with CD-ROM instruction.

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

**Study Abroad/London & Russia**

FCC offers a twelve-credit spring work/study abroad in London and a six-credit summer study abroad in Russia.

**London**—The experience allows students to become immersed into the British culture through their 15-week study, work, and travel time while living in London. The requirements for the semester-long London work/study abroad program include:

- Be 18 years of age or older prior to departure date
- Take 8 credits or more during the fall semester prior to London spring semester
- Be an American citizen or able to get own work visa
- Have at least a 2.5 grade point average (no academic probation)
- Have the technology skills needed to complete online homework

- Submit a complete application with $100 non-refundable deposit
- Have an interview with the coordinator
- Have completed EN101 if possible
- Meet money due dates (application fee, London costs, FCC tuition)

London informational meetings are held for interested students. The London 15-week experience is NOT limited to just FCC students, other qualified students may attend. In addition, short-term international trips are offered through our state consortium (www.mcciec.org). For more information on London or our other options, contact the International Education Coordinator at 301.846.2616.

**College-Level Examination Program**

CLEP is a national credit-by-examination program providing individuals the opportunity to receive credit for college-level achievement acquired in a wide variety of ways. General and subject examinations are available in many different areas. FCC administers CLEP examinations to current and prospective students by appointment. Additional information can be obtained by contacting the Testing Center, 301.846.2522; the Counseling & Advising Office, 301.846.2471; or the transfer evaluator, 301.846.2654, at FCC.

FCC also offers CLEP exams in Analyzing & Interpreting Literature, English Literature with or without optional essay, and Algebra. These exams are not accepted by FCC but may be elsewhere.

See chart on next page.

**Advanced Placement Examinations**

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 Welcome & Registration Center.

See chart on next page.
## General Examinations

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score Needed</th>
<th>Credits</th>
<th>Course Equivalent</th>
</tr>
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<tbody>
<tr>
<td>Humanities</td>
<td>50</td>
<td>6</td>
<td>AR105, EN205</td>
</tr>
<tr>
<td>College Mathematics</td>
<td>50</td>
<td>3</td>
<td>MA103</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>50</td>
<td>7</td>
<td>BI100, PC103</td>
</tr>
<tr>
<td>Social Sciences/History</td>
<td>50</td>
<td>6</td>
<td>SO101, HI101</td>
</tr>
</tbody>
</table>

## Subject Examinations

### Business

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score Needed</th>
<th>Credits</th>
<th>Course Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Systems &amp; Computer Applications</td>
<td>50</td>
<td>3</td>
<td>CIS101</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>50</td>
<td>6</td>
<td>ACCT 100, 101</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>50</td>
<td>3</td>
<td>BU227</td>
</tr>
<tr>
<td>Intro Business Law</td>
<td>50</td>
<td>3</td>
<td>BU211</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>50</td>
<td>3</td>
<td>BU225</td>
</tr>
</tbody>
</table>

### Composition & Literature

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score Needed</th>
<th>Credits</th>
<th>Course Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Literature</td>
<td>50</td>
<td>6</td>
<td>EN203, 204</td>
</tr>
<tr>
<td>English Composition w/ or w/o essay</td>
<td>50</td>
<td>3</td>
<td>EN101</td>
</tr>
<tr>
<td>Freshmen Composition w/ or w/o essay</td>
<td>50</td>
<td>3</td>
<td>EN101</td>
</tr>
</tbody>
</table>

### Foreign Languages

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score Needed</th>
<th>Credits</th>
<th>Course Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>French, Level 1</td>
<td>50</td>
<td>6</td>
<td>LF101, 102</td>
</tr>
<tr>
<td>French, Level 2</td>
<td>62</td>
<td>12</td>
<td>LF101, 102, 201, 202</td>
</tr>
<tr>
<td>German, Level 1</td>
<td>50</td>
<td>6</td>
<td>LG101, 102</td>
</tr>
<tr>
<td>German, Level 2</td>
<td>63</td>
<td>12</td>
<td>LG101, 102, 201, 202</td>
</tr>
<tr>
<td>Spanish, Level 1</td>
<td>50</td>
<td>6</td>
<td>LS101, 102</td>
</tr>
<tr>
<td>Spanish, Level 2</td>
<td>66</td>
<td>12</td>
<td>LS101, 102, 201, 202</td>
</tr>
</tbody>
</table>

### History & Social Sciences

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score Needed</th>
<th>Credits</th>
<th>Course Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>50</td>
<td>3</td>
<td>PI104</td>
</tr>
<tr>
<td>US History I: Early Colonization - 1877</td>
<td>50</td>
<td>3</td>
<td>HI201</td>
</tr>
<tr>
<td>US History II: 1865 to the Present</td>
<td>50</td>
<td>3</td>
<td>HI202</td>
</tr>
<tr>
<td>Human Growth Dev.</td>
<td>50</td>
<td>3</td>
<td>ED/P5208</td>
</tr>
<tr>
<td>Intro Educational Psychology</td>
<td>50</td>
<td>3</td>
<td>ED202</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>50</td>
<td>3</td>
<td>EC201</td>
</tr>
<tr>
<td>Microeconomics</td>
<td>50</td>
<td>3</td>
<td>EC202</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>50</td>
<td>3</td>
<td>PS101</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>50</td>
<td>3</td>
<td>SO101</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East-1648</td>
<td>50</td>
<td>3</td>
<td>HI101</td>
</tr>
<tr>
<td>Western Civilization II: 1648-Present</td>
<td>50</td>
<td>3</td>
<td>HI102</td>
</tr>
</tbody>
</table>

### Science & Mathematics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score Needed</th>
<th>Credits</th>
<th>Course Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus</td>
<td>50</td>
<td>3</td>
<td>MA201</td>
</tr>
<tr>
<td>Precalculus</td>
<td>50</td>
<td>3</td>
<td>MA111</td>
</tr>
<tr>
<td>General Biology</td>
<td>50</td>
<td>8</td>
<td>BI101, 102</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>50</td>
<td>8</td>
<td>CH101, 102</td>
</tr>
</tbody>
</table>

## Test Score FCC Credit

<table>
<thead>
<tr>
<th>Test</th>
<th>Score Needed</th>
<th>Credits</th>
<th>Course Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art–History</td>
<td>3 or better</td>
<td></td>
<td>AR 104 (3)</td>
</tr>
<tr>
<td>Art–Studio</td>
<td>3 or better</td>
<td></td>
<td>Possible credit for AR 101 or AR 106 (program manager determines whether or not credit can be awarded)</td>
</tr>
<tr>
<td>Biology</td>
<td>3 or better</td>
<td></td>
<td>BI 100 (4)</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>3 or better</td>
<td></td>
<td>MA 210 (4)</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>3 or better</td>
<td></td>
<td>MA 210, 211 (8)</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3 or better</td>
<td></td>
<td>CH 101 (4)</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>3</td>
<td></td>
<td>CIS 201 (3)</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>4 or better</td>
<td></td>
<td>CIS 201 &amp; CIS202 (6)</td>
</tr>
<tr>
<td>Economics–Macro</td>
<td>3 or better</td>
<td></td>
<td>EC 201 (3)</td>
</tr>
<tr>
<td>Economics–Micro</td>
<td>3 or better</td>
<td></td>
<td>EC 202 (3)</td>
</tr>
<tr>
<td>English–Lang/Comp</td>
<td>3 or better</td>
<td></td>
<td>place in EN 101 (0)</td>
</tr>
<tr>
<td>English Lit/Comp</td>
<td>3 or better</td>
<td></td>
<td>EN 101 (3)</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>4 or better</td>
<td></td>
<td>BI 202 (3)</td>
</tr>
<tr>
<td>French–Language</td>
<td>3 or better</td>
<td></td>
<td>LF 101, 102 (6)</td>
</tr>
<tr>
<td>German–Language</td>
<td>3 or better</td>
<td></td>
<td>LG 101, 102 (6)</td>
</tr>
<tr>
<td>Government &amp; Politics US</td>
<td>3 or better</td>
<td></td>
<td>PI 104 (3)</td>
</tr>
<tr>
<td>History–European</td>
<td>3 or better</td>
<td></td>
<td>HI 102 (3)</td>
</tr>
<tr>
<td>History–US</td>
<td>3 or better</td>
<td></td>
<td>HI 201 or HI 202 (3)</td>
</tr>
<tr>
<td>Music Theory</td>
<td>4 or better</td>
<td></td>
<td>Program manager determines whether or not credit can be awarded</td>
</tr>
<tr>
<td>Physics B</td>
<td>4 or better</td>
<td></td>
<td>PY 201, 202 (8)</td>
</tr>
<tr>
<td>Physics C</td>
<td>see dept</td>
<td></td>
<td>Possible credit for PY 203 or PY 204 (program manager decides whether or not credit can be awarded)</td>
</tr>
<tr>
<td>Psychology</td>
<td>3 or better</td>
<td></td>
<td>PS 101 (3)</td>
</tr>
<tr>
<td>Spanish–Language</td>
<td>3 or better</td>
<td></td>
<td>LS 101, 102 (6)</td>
</tr>
<tr>
<td>Statistics</td>
<td>3 or better</td>
<td></td>
<td>MA 206 (3)</td>
</tr>
</tbody>
</table>
Portfolio Development
The portfolio development process allows adult students an opportunity to demonstrate college-level knowledge acquired from work, independent reading, training programs, volunteer activities, and other life experiences. Compiled in notebook format, the portfolio reflects student-generated evidence of learning that satisfies a specific FCC course. Following development, the portfolio is submitted to the college for credit review by the faculty. Students are responsible for 50% of the tuition for any credits awarded and entered on the student’s transcript. For additional information, call 301.846.2526.

Departmental Examination
If no CLEP exam is available for the subject in which a student is knowledgeable or skilled, students may contact the department chair of the equivalent course at FCC for permission to receive credit for the course by examination. Courses for which an examination is inapplicable (laboratory, experiential, or interactive courses) are excluded. A credit by examination may take 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. All credits awarded through departmental examinations are assessed 50% of the college’s current tuition for credit courses. Forms are available in the departments.

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

Students can apply by obtaining an independent study application from the associate vice president for learning or appropriate department chair and contacting a faculty member who is willing to supervise the independent study. Details are available from the vice president for learning at 301.846.2490. Students must follow the add/drop dates in the schedule of classes.

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. Internships are primarily for career program majors.

To be eligible, students must have met the following guidelines:
1. Completed a minimum of 12 credits prior to registering for an internship.
2. Earned a minimum grade point average of 2.0 and maintain this minimum throughout the internship assignment.
3. Obtained approval from the internship coordinator prior to registering for an internship.
4. Students must follow the add/drop dates in the schedule of classes.

Requirements: Internship credits can be earned through either part- or full-time employment. 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 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 experiences. A faculty member, selected by the program manager or department chair, will approve the assignment, assist with the development of student outcomes, visit 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 evaluations. Call 301.846.2618 for more information.

Articulation Agreements

Army Reserve Officer Training Corps (AROTC)
FCC is a Crosstown Partner with the Army ROTC unit at McDaniel College. Army ROTC is a college program that allows students to earn their degree while training to become an Army officer. AROTC 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 Army bases as part of the program. Through a FCC/Hood College agreement, students will be able to take the Army ROTC classes at Hood College at no cost. Students can also compete for scholarships to help pay tuition. Most importantly, the program can lead to a challenging career in the U.S. Army! For more information, visit www.mcDaniel.edu/rotc.htm or send an email to langelety@mcDaniel.edu, or call the McDaniel campus at 410.848.7000 or contact Marsha Mason-Sowell at FCC, mmason-sowell@frederick.edu or 301.846.2475.

FCC recognizes the value of AROTC courses. As a Crosstown Partner with the University of Maryland College Park’s AROTC unit, FCC will accept credit for the following AROTC courses completed in McDaniel’s AROTC program.

<table>
<thead>
<tr>
<th>McDaniel Course</th>
<th>FCC Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSC 100</td>
<td>General Elective Credit</td>
<td>1</td>
</tr>
<tr>
<td>ARSC 101</td>
<td>General Elective Credit</td>
<td>1</td>
</tr>
<tr>
<td>ARSC 200</td>
<td>General Elective Credit</td>
<td>1</td>
</tr>
<tr>
<td>ARSC 201</td>
<td>General Elective Credit</td>
<td>1</td>
</tr>
</tbody>
</table>

Air Force Reserve Officer 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, send an email to afrontc30@umd.edu, or call the UMCP campus at 301.314.3242 or contact Marsha Mason-Sowell at FCC, mmason-sowell@frederick.edu or 301.846.2475.

In addition, FCC will award credit for the following AFROTC courses that do not have a corresponding UMCP course number.

<table>
<thead>
<tr>
<th>AFROTC Course</th>
<th>FCC Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSC 059 (if taken as a single course)</td>
<td>PE 126 – Fitness and Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>ARSC 059 (if taken three times)</td>
<td>PE 154 – Fitness for Living</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>UMCP Course</th>
<th>FCC Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSC 100</td>
<td>General Elective Credit</td>
<td>1</td>
</tr>
<tr>
<td>ARSC 101</td>
<td>General Elective Credit</td>
<td>1</td>
</tr>
<tr>
<td>ARSC 200</td>
<td>General Elective Credit</td>
<td>1</td>
</tr>
<tr>
<td>ARSC 201</td>
<td>General Elective Credit</td>
<td>1</td>
</tr>
</tbody>
</table>

FCC/FCPS Agreement
Frederick Community College and the 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 various agreements. Students must submit an official high school transcript. Additional information is available from the FCC Welcome & Registration Center or from Frederick County high school guidance offices.

Federal Emergency Management Agency (FEMA) Courses
FCC evaluates and grants academic credit for FEMA-EMI courses. Courses developed by FEMA are available to be completed online. Upon successful completion of a course, students can receive academic credit at FCC at a tuition cost of $50 per credit hour. See the FCC Web site, www.frederick.edu for more information. Also see the Emergency Management degree program, page 64.

Special Hood/Mount St. Mary’s Agreements
The Hood College/Mount St. Mary’s University Exchange programs were developed to allow students from FCC, Hood College and Mount St. Mary’s University to enroll in the other colleges without additional payment.

Full-time FCC students (12 credits or more) may take one course per semester at Mount St. Mary’s University; the course must not be offered at FCC during that particular semester. Interested students must obtain a permission form from the FCC Welcome & Registration Center attesting that they are full-time students, and the course must be approved by the associate vice president of student operations. Students must complete a Mount St. Mary’s University registration form during either college’s registration period. A Mount St. Mary’s University course registration will not be accepted on an FCC registration form.

Full-time Mount St. Mary’s College students may, likewise, register for one course per semester at FCC. A permission form certifying eligibility must be obtained from the Mount St. Mary’s University registrar and be presented to the FCC Welcome & Registration Center at the time of registration.

Registars from each college will exchange lists of students enrolled in the program at the beginning of each semester and grade reports at the end of each semester.
For Hood College the above conditions apply with the following exceptions:

- The program is available only in the fall and spring semesters of a given academic year.
- Students at either FCC or Hood College may register for one course, tuition-free, at the other institution in the fall and in the spring, for a maximum of two courses each year.
- Students must be registered full-time at either FCC or Hood College during the semester in which they enroll in the tuition-free course.
- The exchange course must not be available at the student's home institution in the academic year in which the student enrolls in the exchange course.
- Students must have satisfied the prescribed prerequisites for the exchange course.

Interested students must obtain a letter of eligibility from their registrar and present that letter upon registration at the exchange college.

The student’s permanent record, from which the transcript is made at the home college, will indicate where the course was taken, e.g., “at Frederick Community College” or “at Hood College.”

Transferring In Courses
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 students, page 11 for requirements.)

USM/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 nongeneral education coursework from a USM college, grades of “D” will be accepted only if the calculated GPA for the block of nongeneral education transfer courses is 2.0 or higher. However, in programs of study that require “C” or higher for all coursework, a “D” will not transfer.

Other College Credit
For students transferring from outside the University System of Maryland, grades of “D” will be accepted only if the cumulative grade point average is 2.0 or higher.

Foreign College and University Credit
Credit may be granted for coursework completed at foreign colleges and universities based upon evaluation by credentialing services. We highly recommend these two foreign credentialing services: WES (World Education Services) and AACRAO Office of International Education Services.

Training in Noncollegiate Institutions and Organizations
Credit may be granted for educational programs which apply to the student’s degree of study that have been successfully completed at noncollegiate organizations such as government agencies, corporations, and businesses. These courses and training must be listed in the National Guide to Educational Credit for Training Programs compiled by the College Credit Recommendation Service of the American Council on Education (ACE Guide) or The University of the State of New York National Program on Noncollegiate Sponsored Instruction (PONSI). Official transcripts from the appropriate agency must be submitted to the Welcome & Registration Center.

Military Education & Training
Credit may be granted for a variety of formal military, vocational, and educational programs based upon a student’s declared major at FCC. Programs must be described with credit recommendations in the American Council on Education’s (ACE) Guide to the Evaluation of Educational Experience in the Armed Services. Official Community College of the Air Force, AARTS, SMART, DD214, DD295, or other military transcripts must be submitted to the Welcome & Registration Center.

Defense Activity for Nontraditional Educational Support
DSST is a testing program available to military personnel and civilians. Further information regarding DSST is available at FCC, military education centers or the University of Maryland, University College. Information regarding required scores and credits awarded is available at the FCC Welcome & Registration Center. Official score transcripts should be submitted to the FCC Welcome & Registration Center.

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.

Council for Higher Education in Music – Music Theory Articulation Agreement
The Council for Higher Education in Music (CHEM) 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, CHEM 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.

Frostburg State University
In addition to the system-wide articulation with Frostburg State University and other Maryland State universities, Frederick Community College and Frostburg have established a collaborative program. The program is designed to enable students with the AA in criminal justice to smoothly transition to the Bachelor of Technical and Professional Studies degree in criminal justice at Frostburg. For more information, contact the Counseling & Advising Office at 301.846.2471, or the program coordinator at FSU.

Hood College
In addition to the course and program articulation information found in ARTSYS, Frederick Community College and Hood have established a general articulation agreement which includes dual enrollment and acceptance of the FCC General Education Program as completion of the Hood Core. As a part of this agreement, articulated program guides were established for accelerated studies in the areas of Biology and Computer Science leading toward the bachelor's and master's degree.

Mid-Maryland Healthcare Consortium
In an effort to facilitate the pursuit of careers in healthcare, Frederick Community College, Carroll Community College and Howard Community College formed this partnership to allow residents in the three counties to enroll in selected healthcare programs at any of these colleges at in-county rates. The consortium can benefit FCC students interested in enrolling in the following programs not offered at FCC: Physical Therapy at Carroll Community College, or Biomedical Engineering Technology or Cardiovascular Technology at Howard Community College. For more information, contact FCC’s allied health advisor at 301.846.2471.

Mount St. Mary’s University
Mount St. Mary’s University and Frederick Community College originally entered into a partnership to deliver weekend courses from both institutions on the FCC campus. Although Mount St. Mary’s now offers their weekend and accelerated courses at their own Frederick site on Spectrum Drive, both colleges are still committed to providing students with the seamless articulation of FCC coursework leading toward completion of the bachelor’s degree in Business Administration, Criminal Justice or Elementary Education. For more information, contact the Counseling & Advising Office at 301.846.2471, or the Mount’s Continuing Studies Center at 301.682.8315.

Pennsylvania College of Technology
Frederick Community College maintains an articulation agreement with the Pennsylvania College of Technology which will accept FCC graduates in the Construction Management and Supervision program into the Constructional Management major at PCT. Students must meet the minimum grade required of C or higher in listed general education courses and students must maintain an overall GPA of 2.0 or higher. For more information, contact the Counseling & Advising Office at 301.846.2471.

Salisbury University
In addition to the system-wide articulation with Salisbury University and other Maryland State universities, Frederick Community College and Salisbury University have established a collaborative program in human services areas. This program is designed to enable students with the A.A. in Human Services or Psychology or with the A.A.S. in Sociology to smoothly transition to the B.A. in Social Work at Salisbury. For more information, contact the Counseling & Advising Office at 301.846.2471.

Shepherd University
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 2.8 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 the Counseling & Advising Office at 301.846.2471, or the Admissions Office at Shepherd at 304.876.5212, www.shepherd.edu/admweb/apply/FCC.

Shippensburg University
Frederick Community College and Shippensburg University have original dual admission agreement with Shippensburg. Students enrolled under dual admission requirements will be guaranteed admission to Shippensburg if they meet these dual admission requirements. For more information about how to enroll in this program, contact the Counseling & Advising Office at 301.846.2471, or the Admissions Office at Shippensburg at 717.472.2500, www.ship.edu/admissions/apply/FCC.
Community College Information

In addition to the system-wide articulation with Towson University and other Maryland State colleges, Frederick Community College and Towson have established a collaborative program. The program is designed to enable students with the A.A.S. in any of our Allied Health programs to smoothly transition to the Bachelor of Technical and Professional Studies degree at Towson. For more information, contact the Counseling & Advising Office at 301.846.2741, or the program coordinator at Towson.

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 Maryland State colleges like Frostburg, UMUC, UMCP, Towson and Salisbury. Among the majors offered during the daytime at the Hagerstown campus are accounting, business administration, criminal justice, education, information systems management, investigative forensics, liberal studies, nursing, social science, social work and sociology. For more information, visit the Web site at 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 Maryland State colleges like Towson, UMBC, and UMCP. Among the majors offered during the daytime at the Shady Grove campus are accounting, biological sciences, business administration, criminal justice, elementary/special education, information systems, nursing, psychology and social work. The creation of individual FCC program articulation guides is currently underway. For more information, visit the Web site at www.shadysgove.umd.edu.

University of Baltimore

Frederick Community College maintains an articulation agreement with the University of Baltimore which allows graduates of FCC A.A.S. programs in Nuclear Medicine, Emergency Medical Services, Respiratory Care and Surgical Technology to transfer into the University of Baltimore Bachelor of Science in Health Systems Management. For more information, contact the Counseling & Advising Office at 301.846.2471.

UMUC Alliance

Frederick Community College and University of Maryland University College 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, and psychology. Once students complete the Alliance application, they are admitted to both FCC and UMUC. Alliance students have the benefit of full library privileges and other resources at both institutions. For an application, visit the Welcome & Registration Center. For more information, contact the Counseling & Advising Office at 301.846.2471 or visit the UMUC Web site at www.umuc.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://artsys.usmd.edu. For additional transfer information, students can visit the Maryland Transfer Web Site at http://mtdtransfer.edu. Students are encouraged to meet with a counselor regarding their transfer plans. Contact the Counseling & Advising Office at 301.846.2471 for an appointment.

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. Although Wilson has a strong identity as an independent women's college, male applicants who are 24 years of age or older are eligible to enroll in the college for Continuing Education. 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.

Online Education Transfer Institutions

American Public University

The American Public University System (APUS) offers online delivery of courses through the American Military University (AMU). Students can earn their B.A. degree via the Internet. Frederick Community College (FCC) has a number of articulation agreements with APUS AMU. The purpose of these agreements is to assist FCC students in planning a course of study at FCC that will effectively transfer into corresponding B.A. and B.S. programs offered through APUS AMU. For more information, contact the Counseling & Advising Office at 301.846.2471 or visit the American Public University System AMU Web site at www.amuonline.com.

- FCC A.A. General Studies to APUS B.A. Homeland Security
- FCC A.A. General Studies to APUS B.A. Intelligence Studies
- FCC A.A. Criminal Justice to APUS B.A. Criminal Justice
- FCC A.A.S. Police Science to APUS B.A. Criminal Justice
- FCC A.A. General Studies-Emergency Services/Fire Science Option to APUS B.S. Fire Science Management
- FCC A.A.S. Emergency Management to APUS B.A. Emergency Disaster Management

Capella University

Capella University offers online delivery of courses for students wishing to complete their B.A. degree while attending Frederick Community College (FCC). Students may concurrently take courses at FCC and Capella University. Upon successful completion of the A.A.S. degree requirements at FCC, students will be provisionally accepted for Capella’s upper division Bachelor’s program under the following conditions: 2.3 GPA on a 4.0 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. For more information, contact the Counseling & Advising Office at 301.846.2471 or access Capella’s advisory services at 1.888.4CAPPELLA or info@capella.edu.

Charter Oak State College

Charter Oak State College (COSC) is primarily an online college located in New Britain, Connecticut. Frederick Community College (FCC) has an articulation agreement with COSC for FCC’s Emergency Management program. FCC students graduating in the A.A.S. Emergency Management program can transfer into the COSC Public Safety Administration concentration. For more information, contact the Counseling & Advising Office at 301.846.2471.

Governors State University

The Governor’s State University, located in the suburbs of Chicago, and Frederick Community College was established primarily to serve adult students seeking to complete baccalaureate education. FCC students may dually enroll at Governors after the completion of at least 30 credits, or enroll after completing the associate’s degree. Dually enrolled students can actually transfer up to 80 credits to Governors. Of the remaining 40 credits for the bachelor’s degree, at least 15 upper-division courses must be taken at Governor’s through a distance education format. The other 25 upper-division credits may be taken at any other accredited four-year institution. For more information, visit the Governors State University Web site at www.govst.edu.

Kaplan University

Kaplan University offers online delivery of courses for students wishing to complete their B.A. degree while attending Frederick Community College (FCC). Students may concurrently take courses at FCC and Kaplan University. Students having completed certificate programs will be eligible for a course-by-course review for transfer of credits to Kaplan University. Students having completed an associate’s degree program (A.A., A.A.S., and A.S.) consisting of a minimum of 60 semester hours will be eligible for a block transfer of up to 60 semester hours and acceptance into Kaplan’s “advanced start” baccalaureate option.

To be eligible for application to an advanced start bachelor’s program, a student must be an associate degree graduate or must submit a letter from the Frederick Community College Registrar indicating that the student is in good standing, the expected date of graduation, the associate’s degree expected to be earned, and the program/major. Upon graduation, the student must submit proof of having been awarded an associate’s degree.
**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 the Counseling & Advising Office 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. There is also specific program articulation for accounting, business administration, and information systems. For more information, contact the Counseling & Advising Office at 301.846.2471 or visit the University of Phoenix Web site at www.uophx.edu/maryland.
Tuition & Fees

Tuition rates for fall semester, 2009

Tuition rates are subject to change.

<table>
<thead>
<tr>
<th>Credits</th>
<th>In-County</th>
<th>Out-of-County</th>
<th>Out-of-State</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$132.85</td>
<td>$244.85</td>
<td>$319.85</td>
</tr>
<tr>
<td>2</td>
<td>$240.70</td>
<td>$464.70</td>
<td>$614.70</td>
</tr>
<tr>
<td>3</td>
<td>$348.55</td>
<td>$684.55</td>
<td>$909.55</td>
</tr>
<tr>
<td>4</td>
<td>$456.40</td>
<td>$904.40</td>
<td>$1,204.40</td>
</tr>
<tr>
<td>5</td>
<td>$564.25</td>
<td>$1,124.25</td>
<td>$1,499.25</td>
</tr>
<tr>
<td>6</td>
<td>$672.10</td>
<td>$1,344.10</td>
<td>$1,794.10</td>
</tr>
<tr>
<td>7</td>
<td>$779.95</td>
<td>$1,563.95</td>
<td>$2,088.95</td>
</tr>
<tr>
<td>8</td>
<td>$887.80</td>
<td>$1,783.80</td>
<td>$2,383.80</td>
</tr>
<tr>
<td>9</td>
<td>$995.65</td>
<td>$2,003.65</td>
<td>$2,678.65</td>
</tr>
<tr>
<td>10</td>
<td>$1,103.50</td>
<td>$2,223.50</td>
<td>$2,973.50</td>
</tr>
<tr>
<td>11</td>
<td>$1,209.50</td>
<td>$2,441.50</td>
<td>$3,266.50</td>
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<tr>
<td>12</td>
<td>$1,315.50</td>
<td>$2,659.50</td>
<td>$3,559.50</td>
</tr>
<tr>
<td>13</td>
<td>$1,421.50</td>
<td>$2,877.50</td>
<td>$3,852.50</td>
</tr>
<tr>
<td>14</td>
<td>$1,527.50</td>
<td>$3,095.50</td>
<td>$4,145.50</td>
</tr>
<tr>
<td>15</td>
<td>$1,633.50</td>
<td>$3,313.50</td>
<td>$4,438.50</td>
</tr>
<tr>
<td>16</td>
<td>$1,739.50</td>
<td>$3,531.50</td>
<td>$4,731.50</td>
</tr>
</tbody>
</table>

Amounts include tuition, instructional materials fee ($10.00/credit), student activity fee ($1.85/credit, 10 credit maximum) and the comprehensive registration fee ($25.00 per semester).

Tuition*

In-County per credit hour ........................................... $ 96.00
Out-of-County per credit hour .................................... 208.00
Out-of-State per credit hour ....................................... 283.00

Fees**

Instructional Materials (per credit hour) ...................... $ 10.00
Student Activities (10 credit maximum) ....................... 1.85
Admissions Application .............................................. no charge
Comprehensive Registration Fee (per semester) ............. 25.00
Schedule Change ..................................................... no charge
Credit by Portfolio (per credit hour) ......................... 50% of tuition
Credit by Departmental Exam (per credit hour) ............. 50% of tuition
Applied Music (per credit hour) ................................. 164.00
Culinary Arts (per class) ......................................... 98.00

*Tuition rates are subject to change.
**In special cases, the college may charge additional fees.

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.

Explanations 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.

Instructional Materials Fee

The instructional materials fee is charged as a simple alternative to the multitude of lab fees that many colleges assess students. It offsets costs to provide various classroom materials and equipment needed to successfully offer classes, including instructional equipment, lab and classroom supplies, computer paper and software, course syllabi and exams. The fee is charged on a credit hour basis.

Comprehensive Registration Fee

This fee is charged once per semester. It partially covers the cost to register at FCC, issue student transcripts, process student schedule changes, and complete graduation activities.

Activity Fee

The revenues generated from the activity fee go into a special account administered by the student government association. These funds provide activities and cultural events open to all FCC students. The fee is charged on a credit hour basis for up to a maximum of ten credit hours.

Applied Music Fee

The applied music fee is charged on a credit hour basis to students enrolled in private lesson music courses. The fee offsets the cost of the private lesson instructor.

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. Many of the recreation courses require overnight field trips. 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 (noncredit) Tuition

Noncredit, continuing education courses are individually priced. Refer to current Continuing Education class schedule for tuition and fees for each class.

Books and Supplies

Students are responsible for the purchase of the required texts and/or materials for course(s). The average cost is about $150 per course. Book information is available on the Bookstore Web site. Books may be purchased at the FCC Bookstore or can be ordered through the Bookstore Web site. The Bookstore will hold books for in-store pick-up or will ship books to you.

With the student's approval, books can be charged at the FCC Bookstore against available financial aid. When the aid is credited to the student's college account, Bookstore charges will be deducted from the aid after tuition, fees, and all other school charges are paid. Financial aid awards do not automatically cover the cost of books and supplies.

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 and MasterCard). FCC also participates in a deferred tuition payment plan for fall and spring semesters (see page 22).

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. Accounts with a partial payment does not guarantee a seat and may also result in being dropped from all classes. Please ensure that your account is paid in full by the applicable deadlines. View your account online at www.frederick.edu or at the Cashier's 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 FACTS, 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. Sign up online at www.frederick.edu or at the Cashier's Office. For more information, call 301.846.2456. Please note the student is responsible to notify the Cashier's Office if classes are added/dropped causing adjustments. Plan subject to change without notice.

Educational Tax Credits
Hope Scholarship/Lifetime Learning Tax Credits
There are two education tax credits available, the Hope and the Lifetime Learning Credit. The credits are based on education expenses paid for you, your spouse, or your dependents. During any particular year, you can claim only one of the credits for each student. The amount of the credit is determined by the amount you pay for qualified tuition and related expenses for each student and the amount of your modified adjusted gross income (modified AGI).

Expenses that qualify as tuition and fees required for enrollment or attendance at an accredited institution such as FCC. Qualified expenses do not include room and board, insurance, transportation, or other similar personal living or family expenses. Fees for books, supplies and equipment, and student activity fees, may qualify if the fee is paid to that school for the student’s enrollment or attendance.

An eligible student for the Hope Credit is a student who has not completed the first two years of post-secondary education, generally they are freshman or sophomores in college, are in programs leading to a degree, certificate, or recognized educational credential, are enrolled at least one-half time for at least one academic period during the calendar year, and have not been convicted of any federal or state felony conviction for possessing or distributing a controlled substance. The Lifetime Learning Credit requires a student to take coursework in order to acquire or improve job skills. Unlike the Hope Credit, the Lifetime Learning Credit is not limited to the first two years of education nor is it based upon student workload.

For additional information on education credits, refer to IRS Publication 970, Tax Benefits for Education, or go to www.irs.gov/individuals/students.

Tuition Refund Procedure
To obtain a refund of tuition and fees upon withdrawal from the college, students must submit a withdrawal form to the Welcome & Registration Center. Refunds will be calculated from the date the withdrawal form is received by the Welcome & Registration Center.

Tuition refunds shall go back to the student directly with the exception of payments made via credit card. A credit card will be refunded if the refund is made within 60 days of the original transaction. After 60 days, a check will be sent to the student. For more information, contact the Cashier's Office at 301.846.2456. Total refunds will be issued for courses canceled by the college due to insufficient enrollment.

Schedule of Refunds

<table>
<thead>
<tr>
<th>Period of Enrollment</th>
<th>Portion of Tuition &amp; Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall &amp; Spring Semester (15-week session)</strong></td>
<td></td>
</tr>
<tr>
<td>Through the first week of the semester</td>
<td>100%</td>
</tr>
<tr>
<td>Through the second week</td>
<td>75%</td>
</tr>
<tr>
<td>Through the third week</td>
<td>50%</td>
</tr>
<tr>
<td>After the third week</td>
<td>No refund</td>
</tr>
<tr>
<td><strong>Summer Semester (8-week session)</strong></td>
<td></td>
</tr>
<tr>
<td>Through the first week of the semester</td>
<td>100%</td>
</tr>
<tr>
<td>Through the second week</td>
<td>75%</td>
</tr>
<tr>
<td>Through the third week</td>
<td>50%</td>
</tr>
<tr>
<td>After the third week</td>
<td>No refund</td>
</tr>
<tr>
<td><strong>Summer Semester (5-week sessions)</strong></td>
<td></td>
</tr>
<tr>
<td>Through the first week of the semester</td>
<td>100%</td>
</tr>
<tr>
<td>Through the second week</td>
<td>75%</td>
</tr>
<tr>
<td>After the second week</td>
<td>No refund</td>
</tr>
<tr>
<td><strong>January Semester</strong></td>
<td></td>
</tr>
<tr>
<td>Through the first day of class</td>
<td>100%</td>
</tr>
<tr>
<td>After the first week</td>
<td>No refund</td>
</tr>
</tbody>
</table>

The college offers courses of varying length during the fall, spring, and summer terms. The college reserves the right to establish additional refund schedules for terms of variable length. In no case will the minimum refund amount be less than 50%.

Tuition Refund Appeals (currently under revision)
In cases where the student withdraws after the normal refund period, the college will consider granting a partial refund of tuition and fees for the following reasons: (1) Medical reasons dated and certified by a physician; (2) Job transfer dated and certified by the employer; (3) Job schedule change which causes a conflict with class schedule, dated and certified by the employer; or (4) Military transfer dated and certified by documentation (copy of orders) from the military unit.

To be eligible for consideration the student must: (1) officially withdraw from the course(s) and (2) submit a tuition refund request form with documentation which is available at the Welcome & Registration Center.

Tuition Refund Policies for Students Receiving Title IV Funding
All students who are awarded Title IV financial aid funds who completely withdraw from classes either officially or unofficially are subject to the Return of Title IV Funds calculation. This calculation will determine if any percentage of Title IV funds must be returned to the appropriate program. The amount of Title IV aid that a student must repay is determined by the federal formula for return of Title IV funds as specified in the Higher Education Act of 1998 (34 CFR 668).

The financial aid office is required to determine the last date of attendance and calculate the percentage of the payment period the student attended. This is the percentage of funds that the student has earned. After this percentage of aid earned is determined, the financial aid office will compare the amount earned and the amount disbursed. If the amount that has been earned is greater than the amount disbursed, a late disbursement will be calculated. However, if the amount earned is less than the amount disbursed, this amount will be calculated and the student will be notified. FCC will refund the unearned Title IV aid back to the appropriate programs as specified by law. The student will be notified of the amount that is required to be returned and the financial office will bill the student for this amount. Funds must be returned to the Title IV programs in the following order:

1. Unsubsidized Stafford Loans
2. Subsidized Stafford Loans
3. PLUS Loans
4. Pell Grant
5. Academic Competitiveness Grant
6. FSEOG

Students may obtain a sample copy of the Return of Title IV Funds worksheet with sample calculations from the financial aid office, A-105.

Continuing Education Refunds
Courses 40 contact hours or less: 100% refund through 1 business day prior to start date of class. Courses over 40 contact hours: 100% refund through first meeting date, 50% refund through 3rd meeting date.

Students must officially withdraw from a continuing education course by submitting a drop form or written request to the Welcome & Registration Center or by dropping online. Requests for exceptions to the refund policy must be made in writing and are considered on a case-by-case basis. Send requests to Continuing Education, attn: Director of Continuing Education & Training Systems, Frederick Community College, 7932 Opossumtown Pike, Frederick, MD 21702.

Residency and Tuition (currently under revision)
Residents of Frederick County are entitled to a lower tuition rate than other Maryland residents. Maryland residents outside of Frederick County receive a lower rate than out-of-state applicants. For questions regarding residency, contact the Welcome & Registration Center, 301.846.2454.

The residency policy is as follows:

1. Residence is determined at the time the student is admitted to the college. The burden of proof of residency is upon the student and he/she will be required to sign a statement substantiating their claim.
2. Regulations for full- and part-time students are identical.
3. All requests for change of residence must be made in writing, and proper proof of residence must be presented before a change will be made.
4. Students who change their residence during a semester will not have their tuition adjusted during that semester, but may be entitled to such adjustment the following semester.
5. The word domicile as used in this regulation shall mean the place of permanent abode. For the purpose of this rule only one domicile may be maintained. Local addresses that pertain only during the school year will not be considered for determination of tuition charges.
6. Non-self-supporting students* are considered to be Frederick County residents if, at the time of their admission, their parents have been domiciled in Frederick County for three consecutive months prior to admission. Exceptions will be made for newly arriving families who can prove their intent to become indefinite Frederick County residents (i.e., property tax receipt, mortgage receipt, etc.).
7. Non-self-supporting students* are considered to be residents elsewhere in the state of Maryland if, at the time of their admission their parents are domiciled elsewhere in the State of Maryland.
8. Adult students (age 18 years or over and self-supporting) are considered residents of Frederick County if, at the time of admission, they have been domiciled in Frederick County for three consecutive months prior to admission. Exceptions will be made for newly arriving individuals who can prove their intent to become permanent Frederick County residents (i.e., property tax receipt, etc.).
9. Military personnel stationed, living, or domiciled in Maryland, their spouses and dependents who are entering the institution as along as they stay continuously enrolled.
10. Also considered as Frederick County residents are honorably-discharged veterans who attended a Maryland high school for at least three years and who have graduated from a Maryland public or private high school (documentation required).
11. A person attempting to establish residency must be a United States citizen or must have indicated by formal action their intention to become a citizen, or must have been admitted to the United States on an immigrant visa. A tourist or student visa is not proof of intent to permanently reside in the United States on an immigrant visa. A tourist or student visa must have been satisfied. The following visa types determine residency as indicated:

<table>
<thead>
<tr>
<th>Visa Type</th>
<th>Resident Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>(Diplomats, family, staff)</td>
</tr>
<tr>
<td>B</td>
<td>(Temporary visitor)</td>
</tr>
<tr>
<td>C</td>
<td>(Aliens in transit)</td>
</tr>
<tr>
<td>E</td>
<td>(Treaty trader-Taiwan only)</td>
</tr>
<tr>
<td>F</td>
<td>(Student and dependents)</td>
</tr>
<tr>
<td>G</td>
<td>(Rep. of a world organization)</td>
</tr>
<tr>
<td>H or TN</td>
<td>(Temporary worker)</td>
</tr>
<tr>
<td>I</td>
<td>(Foreign media/journalist)</td>
</tr>
<tr>
<td>K</td>
<td>(Fiancé of U.S. citizen/ Frederick County resident)</td>
</tr>
<tr>
<td>L</td>
<td>(Intracompany transferee)</td>
</tr>
<tr>
<td>M</td>
<td>(Foreign vocational student, dependents)</td>
</tr>
<tr>
<td>R</td>
<td>(Religious worker)</td>
</tr>
<tr>
<td>V</td>
<td>(Spouse or child of permanent resident)</td>
</tr>
<tr>
<td>L</td>
<td>(Intracompany transferee)</td>
</tr>
<tr>
<td>M</td>
<td>(Foreign vocational student, dependents)</td>
</tr>
<tr>
<td>R</td>
<td>(Religious worker)</td>
</tr>
<tr>
<td>V</td>
<td>(Spouse or child of permanent resident)</td>
</tr>
</tbody>
</table>

*Note: A non-self-supporting student is defined as an unmarried individual claimed by parents or guardians as an income tax exemption in the previous taxable year.

**Procedures for Reclassification of Residency**
Students whose tuition would be affected by a change in residency must present proof of actual address change to the Welcome & Registration Center. The student will be notified of the decision affecting their residency status. Students may appeal the decision through the appropriate channels.

**In-County Tuition Rate for Employees of Maryland Business & Industry**
FCC offers an agreement that allows Maryland employees to be charged lower, in-county tuition for their employees who do not live in Frederick County. For details, please call the cashier's office at 301.846.2456.

**Tuition for International/Foreign National Students**
A foreign national lawfully admitted for residence in the United States may be considered a resident for tuition purposes if he/she meets the domicile requirements stated in this policy. 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 admitted to the United States on certain visa types with an indeterminate authorized stay may be considered as a resident for tuition purposes if the domicile requirements of this policy have been satisfied. The following visa types determine residency as indicated:

<table>
<thead>
<tr>
<th>Visa Type</th>
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<tr>
<td>V</td>
<td>(Spouse or child of permanent resident)</td>
</tr>
</tbody>
</table>

**Waivers and Tuition Reductions**

**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 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.

**Allegany College of Maryland**
Certificates
- Basic Medical Transcription
- Medical Coding
- Medical Lab Technology-Biotechnology
- Practical Nursing
- Pharmacy Technician

**Anne Arundel Community College**
Certificates
- Dental Hygiene
- Human Services
- Medical Assistant
- Medical Laboratory Tech
- Nursing (RN)
- Physical Therapy Assistant
- Radiologic Tech
- Respiratory Therapist

**Anne Arundel Community College**
Certificates
- EMT/Intermediate
- EMT/Paramedic
- Human Services
- Licensed Practical Nursing
- Medical Assisting
- Medical Coding
- Pharmacy Technician
- Physician Assistant

**Baltimore City Community College**
Certificates
- Coding Specialist (Medical)
- EMT/Basic
- EMT/Intermediate
- EMT/Paramedic
- Practical Nursing

**Baltimore City Community College**
Certificates
- Dental Hygiene
- Emergency Medical Service
- Health Information Technology
- Nursing (RN)
- Physical Therapist Assistant
- Respiratory Care
Carroll Community College
Certificates
- Licensed Practical Nursing
- Health Information Tech- Medical Records
Associates
- Nursing (RN)
- Physical Therapist Assistant

Cecil Community College
Certificates
- EMT/Paramedic
- Nursing
Associates
- Nursing (RN)
- EMT/Paramedic

Chesapeake College
Certificates
- Emergency Medical Services
- EMT/Paramedic
- Licensed Practical Nursing
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 Assistant
- Medical Coding Specialist
Associates
- Emergency Medical Services
- Human Services
- Nursing (RN)
- Physical Therapy Assistant

Community College of Baltimore County
Certificates
- Emergency Medical Tech
- Mental Health
- Physician Assistant
- Practical Nursing
- Radiation Therapy
Associates
- Emergency Medical Tech
- Health Informatics & Information Technology
- Medical Office Assistant
- Mental Health
- Nursing (RN)
- Radiography

- Radiation Therapy
- Respiratory Care Technology

Frederick Community College
Certificates
- Medical Assistant
- Practical Nursing
Associates
- Emergency Medical Services
- Nursing (RN)
- Respiratory Care

Hagerstown Community College
Certificates
- EMT/Paramedic
- Medical Assistant
- Medical Coding & Reimbursement Specialist
- Medical Transcription
- Paramed Emer Srvc: EMT-I to EMT-P Bridge
- Practical Nursing
Associates
- Medical Office Assistant
- Nursing (RN)
- Paramedic Emergency Services
- Radiography

Harford Community College
Certificates
- Medical Assisting
- Practical Nursing
Associates
- Medical Assisting
- Nursing (RN)

Howard Community College
Certificates
- EMT/Paramedic
- Licensed Practical Nursing
Associates
- EMT/Paramedic
- Nursing (RN)

Montgomery College
Certificates
- Diagnostic Medical Sonography
- Medical Coder/Abstractor/Biller
Associates
- Diagnostic Medical Sonography
- Health Information Technology
- Mental Health Associate
- Nursing (RN)
- Physical Therapy Assistant
- Radiologic Tech

Prince George’s Community College
Certificates
- EMT/Paramedic
- Health Information Technology
- Nursing (LPN)
Associates
- EMT/Paramedic
- Health Information Management
- Nursing (RN)
- Radiography (X-Ray) Technician
- Respiratory Therapy

Wor-Wic Community College
Certificates
- Emergency Medical Services
- Practical Nursing
Associates
- Emergency Medical Services
- Nursing (RN)
- Radiologic Technician

Mid-Maryland Healthcare Consortium
Frederick, Carroll and Howard counties have formed the Mid-Maryland Allied Healthcare Education Consortium. The consortium allows residents of all three counties to enroll in selected healthcare programs at any of the colleges in-county tuition rates and makes it easier for students to pursue careers in the field. Programs participating in the consortium, and the college offering them, are:

Carroll Community College: Physical Therapy Assistant
Frederick Community College: Bioprocessing Technology, Emergency Medical Services, Respiratory Care, Surgical Technology
Howard Community College: Biomedical Engineering Technology, Cardiovascular Technology

Contact the allied health advisor at 301.846.2471 for more information.

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 Frederick Community College, regardless of class size, location and number of semester hours the student is taking. Eligible individuals shall be charged in-county, in-state rates, regardless of their place of residence. This waiver does not apply to fees.

Tuition Waiver for Persons 60 Years and Older
The tuition charge will be waived for Maryland residents who have enrolled in any credit or credit-equivalent course offered by Frederick Community College who are 60 years or older. Senior citizens are required to pay all fees associated with classes. The senior citizens waiver will be given on a space-available basis.

Senior citizens who wish to take advantage of the tuition benefit may only register tuition-free during a specified time period as published in the credit schedule. Those eligible for waivers who agree to pay full tuition and fees may register at any time during the registration period. However, refunds will not be granted to seniors paying full tuition who then drop and later add the same course under the tuition-free benefit provision.
Tuition Waiver for Persons Retired and Disabled
FCC also waives course tuition for any individual who is retired from employment by reason of a total and permanent disability. In order to receive the tuition waiver, individuals must obtain certification from the Social Security Administration or Railroad Retirement Board. Qualified disabled persons are liable for fees. Information regarding certification may be obtained from the Welcome & Registration Center at Frederick Community College, 301.846.2655.

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.

Statewide Instructional Programs
Certain programs offered at community colleges throughout Maryland are designated by the Maryland Higher Education Commission as statewide. This means that 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.

Allegany College of Maryland
Associate Degree
- Hotel & Restaurant Mgt
- Medical Assistant
- Automotive Tech
- Forest Tech
- Culinary Arts
- Therapeutic Massage Certificate
- Home Health Aide
- Nursing Assistant/Geriatric Aide
- Phlebotomy/EKG Technician
- Automotive Tech
- Tree Care Technology
- Directed Technology (Travel/Tourism)

Anne Arundel Community College
Associate Degree
- Homeland Security Management
- Hotel/Restaurant Management
- Medical Assisting
- EMT Paramedic
- Therapeutic Massage
- Paralegal Studies Certificate
- Hotel/Restaurant Management
- Medical Assisting
- EMT Paramedic
- Therapeutic Massage
- Intelligence Analytics
- Paralegal Studies

Cecil Community College
Associate Degree
- Visual Communications Certificate
- Visual Communications
- Transport & Logistics-Aviation Management
- Transport & Logistics-Air Traffic Control
- Transport & Logistics-Flight Training
- Transport & Logistics-Comm Transport
- Transport & Logistics-Materials Mgt

College of Southern Maryland
Associate Degree
- Massage Therapy
- Manufacturing Technology Certificate
- Commercial Vehicle Operator
- Security Management

Community College of Baltimore County
Associate Degree
- E-Business Management
- E-Business Technology
- Aviation Management
- Computer Graphic & Visual Communication
- Multimedia Technology
- Veterinary Tech
- Chemical Dependency Counseling
- Mortuary Science
- Occup Safety & Hlth Tech
- Radiation Therapy
- Health and Fitness Studies
- Automotive Technology
- Construction Management
- Environmental Science and Technology
- Horticulture
- Recreation, Parks and Tourism
- Labor Studies
- Interpreter Preparation

Frederick Community College
Associate Degree
- Nuclear Medicine Technology
- Emergency Management Certificate
- Nuclear Medicine Technology

Garrett College
Associate Degree
- Natural Resources and Wildlife Tech
- Adventure Sports Management
- Juvenile Justice Certificate
- Natural Resources and Wildlife Tech
- Juvenile Justice

Howard Community College
Associate Degree
- Cardiovascular Tech
- Biomedical Eng
- Photonics Technology Certificate
- Cardiovascular Tech
- Adv. Cardiovas. Imaging & Intervention
- Biomedical Eng
- Photonics Technology

**Montgomery College—All Campuses**

Associate Degree
- Graphic Design (AFA)
- Studio Art (AFA)
- Diagnostic Medical Sonography
- Biotechnology
- Fire Science Fire Service Management Certificate
- Technical Writing
- Diagnostic Medical Sonography
- Fire & Arson Investigation Certificate

**Prince George's Community College**

Associate Degree
- Nuclear Medicine Tech
- Investigative Forensics
- Forensic Transfer Studies Certificate
- Nuclear Medicine Tech
- Theater & Entertainment

**Wor-Wic Community College**

Associate Degree
- Hotel-Motel-Restaurant Management
- Criminal Justice Certificate
- Hotel-Motel-Restaurant Management
- Criminal Justice
Financial Aid

Introduction
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, loans, employment, and scholarships (see chart, page 30).

Eligibility Criteria
Financial Need—Financial need is the difference between educational expenses at FCC and the amount expected from students and/or their families. The college uses the FAFSA to determine the amount of financial need.
Citizenship—Students must be United States citizens, nationals, or permanent residents of the United States.
Academic Program—Students must be enrolled in or accepted for enrollment in a state-approved degree or certificate program. For most types of financial aid, students must enroll in and attend at least six credit hours or more per semester. Some financial aid awards have different minimum enrollments. Some students with exceptional financial need who are enrolled in less than six credit hours may receive Pell Grants.
Enrollment Status—Awards are adjusted for full-time (at least 12 credit hours), three-quarter-time (9-11 credit hours) or half-time (6-8 hours) enrollment after the third week of classes. 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—Students without either a high school diploma or a GED must contact the financial aid office to discuss eligibility.

How to Apply for Financial Aid
Complete the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA each year that you plan to attend college. This form can be completed online at www.fafsa.ed.gov. The school code for Frederick Community College is 002071 and must be listed on the FAFSA to process student applicant data. Students are required to also complete the FCC Financial Aid Application form each year in addition to the FAFSA.
Reapplying—Students must reapply each academic year to continue receiving financial aid. Each year’s information is based on the previous year’s federal tax returns.

Verification
Some students will be randomly selected to provide verification of the accuracy of information provided 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 deadline to apply for Maryland State Scholarships is March 1. 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 by:
• June 1 for fall semester
• November 1 for spring semester
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 student aid report.
Transfer students who have a Stafford 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.
Recipients of a Maryland State Scholarship should check with the Maryland State Scholarship Administration to see if that award can be transferred to FCC and, if so, to calculate the amount of the award.

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). Students must successfully complete a minimum percentage of credit hours each semester. 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:

<table>
<thead>
<tr>
<th>Total Credits Attempted</th>
<th>Minimum Cumulative GPA</th>
<th>Completion Rate (of total attempted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-15</td>
<td>1.499</td>
<td>50%</td>
</tr>
<tr>
<td>16-30</td>
<td>1.749</td>
<td>60%</td>
</tr>
<tr>
<td>31-59</td>
<td>1.899</td>
<td>70%</td>
</tr>
<tr>
<td>60 &amp; above</td>
<td>2.000</td>
<td>80%</td>
</tr>
</tbody>
</table>

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.

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.

<table>
<thead>
<tr>
<th>Estimated Tuition &amp; Fees</th>
<th>Living at Home</th>
<th>Living Away from Home</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2,843</td>
<td>$2,843</td>
<td>$2,843</td>
</tr>
<tr>
<td>Books &amp; Supplies</td>
<td>1,200</td>
<td>1,200</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>3,600</td>
<td>8,100</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>Personal</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td>$10,443</td>
<td>$14,943</td>
</tr>
</tbody>
</table>

Financial Aid Appeals Process
Students who feel that their financial aid application was not given proper consideration or who have been suspended from financial aid eligibility due to lack of satisfactory academic progress may appeal the decision. The appeal must be made in writing and submitted to the financial aid director. All appeals are reviewed by a financial aid committee.

Veterans
FCC is approved by the Maryland Higher Education Commission to certify eligible veterans and eligible dependents of veterans. The FCC veterans office assists students in applying for their educational benefits. In order to apply for benefits, students must first apply for admission to the college and register for classes. Veterans are responsible for paying tuition and fees by the specified deadlines.
After registering for classes, eligible students should come to the veterans office to complete the required paperwork. Students are required to complete the Declaration of Intent form each semester in which they wish to receive VA educational benefits. Students are only certified to receive benefits for courses that are required for a selected major. Students are required to notify the FCC veterans office if they reduce their course load, withdraw from classes, change from credit to audit, or change majors. To contact the veterans office, call 301.846.2474.

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.

When students apply for admission they must request official transcripts from all postsecondary institutions attended and have these transcripts mailed directly to the Welcome & Registration Center at FCC. To request credit for military training, students must bring a court certified copy of DD214 to the Welcome & Registration Center. These transcripts must be sent and evaluated within a year of enrollment.

The telephone number of the Veterans Administration in Buffalo, NY is 888.442.4551. The Web site is www.vba.va.gov.

Transfer Evaluation Information
Students who joined the Army after October 1, 1981, should contact the Fort Detrick Education Center, Bldg. 501, at 301.619.2854. Students who joined the Army prior to October 1, 1981, or served in any other branch of service should send Standard Form 180, Request Pertaining to Military Records, to the address on the back of the form.

Scholarships

Frederick Community College sponsors a number of need- and merit-based scholarships. College-sponsored scholarships have application deadlines of June 1 for fall semester and January 2 for spring semester. The financial aid office maintains a reference guide describing the eligibility requirements for all FCC scholarships.

To apply for FCC scholarships apply online at www.frederick.edu or visit the financial aid office.

Special Scholarships for 2009 High School Graduates

Lofts Scholarship
Students who are residents of Frederick County with demonstrated financial need and good grades may apply for this scholarship. Completion of a Free Application for Federal Student Aid is required. Priority consideration is given to orphans and students from single parent families. Recipients must pursue careers in public service such as teaching, nursing or social work. The average award is $600 per semester to any recipient may not exceed $1,200. The total award to any recipient is renewable for a maximum of four semesters of full-time attendance. A-105. It is important for students to understand that if a student receives 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, A-105. 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 can not receive financial aid funds for classes that are audited or for classes never attended.

Frederick Singles Scholarship
This scholarship is awarded to a Frederick County high school senior who is the child of a single parent. Eligibility is based on financial need and academic achievement. Recipients must attend FCC immediately following their graduation from high school. The amount of the award varies. This is a nonrenewable, two-semester award. Nominations are made to the FCC scholarship committee by high school guidance counselors by April 30.

Ambassador Scholarship
Each year 30 Frederick County high school seniors are awarded the FCC Ambassador Scholarship for maintaining a 3.5 grade point average through grades 9-12. It is awarded to students who attend the fall term following their graduation from high school. Full-time students receive $350 per semester renewable for up to three additional semesters at variable amounts, depending on maintenance of at least a 3.0 grade point average and participation in the Ambassador Program.

Application Procedures:
• Complete a form and return it to the Recruitment & Outreach Office (A103-C) at Frederick Community College.
• Request the guidance office to send a copy of your current transcript to the Recruitment & Outreach Office.
• Request the guidance office to send a copy of your final high school transcript if the first submission did not include your last semester’s grades.

Conditions:
• Qualifying students must be graduates of a Frederick County high school and must enroll at FCC the fall semester following their June graduation.
• Scholarships will be awarded to one student from each of the public high schools.
• Recipients must plan to major in a business-related curriculum at FCC.
• Recipients must maintain a 2.5 grade point average at FCC in order to qualify for renewal.

Student Consumer Rights and Responsibilities

Section 493.A of the Higher Education Act as amended in 1992 requires postsecondary educational institutions to disseminate relevant, candid information on student financial aid programs available at the college. 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 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, A-105. 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 can not receive financial aid funds for classes that are audited or for classes never attended.
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 would be 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 which must be paid within 120 days of the student’s withdrawal.

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.

Refunds are allocated in the following order:

- Unsubsidized Federal Stafford Loans
- Subsidized Federal Stafford Loans
- Federal Parent (PLUS) Loans
- Federal Pell Grants
- Academic Competitiveness Grant
- Federal Supplemental Opportunity Grants
<table>
<thead>
<tr>
<th>TYPE OF AID</th>
<th>SOURCE</th>
<th>AWARD AMOUNTS</th>
<th>WHO IS ELIGIBLE TO APPLY</th>
<th>HOW TO APPLY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grants</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Pell Grant</td>
<td>Federal government</td>
<td>Annual award may range from $488 to $5,350 as determined by a Federal formula.</td>
<td>Students enrolled at least half time (6 credit hours/semester) in a degree or certificate program at FCC. Some students with exceptional financial need may receive only Pell Grants for less than half-time enrollment.</td>
<td>Complete the Free Application for Federal Student Aid (FAFSA) and the FCC financial aid application. Students must reapply each academic year.</td>
</tr>
<tr>
<td>Academic Competitiveness Grant</td>
<td>Federal Government</td>
<td>1st year: $750, 2nd year: $1300</td>
<td>Pell Grant recipient, US citizen, High school graduate after 1/1/05, Completion of rigorous high school program, Score a 3 or higher on 2 AP exams.</td>
<td>Self certify on the FAFSA.</td>
</tr>
<tr>
<td>Federal Supplemental Educational Opportunity Grant (FSEOG)</td>
<td>Federal government through FCC</td>
<td>Award may range from $100–$200 per semester. Based on financial need according to a federal formula.</td>
<td>Same as Pell Grant program. Priority must be given to the neediest Pell Grant recipients. Must be enrolled at least half time.</td>
<td>Same as Pell Grant program.</td>
</tr>
<tr>
<td>FCC Grant</td>
<td>FCC</td>
<td>Average $250 per semester. Based on financial need.</td>
<td>Same as Pell Grant program. Must be enrolled at least half time.</td>
<td>Same as Pell Grant program.</td>
</tr>
<tr>
<td>Maryland Part-time Grant</td>
<td>State of Maryland through FCC</td>
<td>Average $250 per semester. Based on financial need.</td>
<td>Students enrolled for 6–11 credit hours in a degree program.</td>
<td>Same as Pell Grant program.</td>
</tr>
<tr>
<td><strong>Scholarships</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maryland State Scholarships</td>
<td>State of Maryland</td>
<td>Variable. Refer to state scholarship brochure.</td>
<td>Maryland residents enrolled in a degree or certificate program. Refer to state scholarship brochure.</td>
<td>Complete the Free Application for Federal Student Aid (FAFSA). Apply by March 1. Additional state applications may be required.</td>
</tr>
<tr>
<td>FCC Scholarships</td>
<td>FCC Foundation</td>
<td>Variable. Listings available online at <a href="http://www.frederick.edu">www.frederick.edu</a>.</td>
<td>Based on criteria of scholarship.</td>
<td>Complete the FCC Scholarship Application online at <a href="http://www.frederick.edu">www.frederick.edu</a>. Students must reapply each semester. Deadlines posted online.</td>
</tr>
<tr>
<td><strong>Loans</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Stafford Loan</td>
<td>Local banks and lending agencies</td>
<td>$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 and lender.</td>
<td>Students enrolled at least half time (6 credit hours per semester) in a degree or certificate program at FCC.</td>
<td>Complete the Free Application for Federal Student Aid (FAFSA), FCC financial aid application, and a loan form. Students must reapply each academic year.</td>
</tr>
<tr>
<td>Federal Parent Loan for Undergraduate Students (FPLUS)</td>
<td>Local banks and lending agencies</td>
<td>Annual loan limit is the student's cost of education minus any estimated financial aid received.</td>
<td>Parents of dependent students. Students enrolled at least half time (6 credit hours per semester) in a degree or certificate program at FCC.</td>
<td>Complete the Free Application for Federal Student Aid (FAFSA) and a loan request form. Parents must reapply each year.</td>
</tr>
<tr>
<td><strong>Employment</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal College Work Study (FCWS)</td>
<td>Federal government through FCC</td>
<td>Variable. A variety of jobs are available on campus.</td>
<td>Students enrolled at least half time (6 credit hours per semester) in a degree or certificate program at FCC.</td>
<td>Same as Pell Grant program. Also must complete an FCC student employment application.</td>
</tr>
<tr>
<td>Student Assistant Program</td>
<td>FCC</td>
<td>Variable. Awards are not based on financial need. Priority is given to applicants with higher financial need.</td>
<td>Students enrolled at least half time (6 credit hours per semester) in a degree or certificate program at FCC.</td>
<td>Same as FCWS program.</td>
</tr>
</tbody>
</table>
There are seven academic departments at Frederick Community College. Each department has a department chair responsible for all academic matters within that department. Following is a list of programs of study offered by the various departments.

**Allied Health & Wellness**
Chair: Lisa Gotschall (301.846.2801)

- **Associate of Arts (A.A.)**
  - General Studies: Fire Science Option
  - General Studies: Therapeutic Massage Option
  - Physical Education

- **Associate of Sciences (A.S.)**
  - Associate Degree Nursing
  - Pre-Nursing

- **Associate of Applied Sciences (A.A.S.)**
  - Emergency Management
  - Emergency Medical Services
  - Nuclear Medicine Technology
  - Respiratory Care
  - Surgical Technology

**Certificates**
- Emergency Management
- Nuclear Medicine Technology
- Practical Nursing
- Surgical Technology

**Letter of Recognition**

**Communications, Humanities & Arts**
Chair: Jan Holly (301.846.2608)

- **Associate of Arts (A.A.)**
  - Art
  - Communications (Speech)
  - Digital Media Design
  - Drama
  - Music
  - Philosophy

**Certificates**
- American Sign Language Studies
- Computer Graphics
- Television Production

**Computing & Business Technology**
Chair: Rebecca Yankosky (301.846.2632)

- **Associate of Arts (A.A.)**
  - Business Administration
  - International Business

- **Associate of Applied Sciences (A.A.S.)**
  - Accounting
  - Architectural Computer Aided Design (CAD)
  - Building Trades Technologies: HVAC
  - Building Trades Technologies: Welding
  - Building Trades Technologies: Carpentry
  - Building Trades Technologies: Electrical
  - Building Trades Technologies: Plumbing
  - Business Management
  - Construction Management & Supervision
  - Culinary Arts & Supervision
  - Information Technology: Information Technology Specialist (Computer Applications Specialist, Computer Programming Database Specialist, PC/Network Support Specialist), Network Engineer (Cisco; MCSE)

- **Associate of Sciences (A.S.)**
  - Computer Science
  - Information Systems Management

**Certificates**
- Architectural Computer Aided Design
- Building Trades Technologies: HVAC
- Building Trades Technologies: Welding
- Building Trades Technologies: Carpentry
- Building Trades Technologies: Electrical
- Building Trades Technologies: Plumbing
- Business Accounting
- Business Management (Business Enterprise, Business Studies, Entrepreneurship, Management, Supervision)
- Computer Science Studies
- Computerized Accounting
- Computer Aided Design Operator
- Construction Management & Supervision
- Construction Technology Academy
- Culinary Arts
- Hospitality Supervision
- Information Technology: Computer Software Specialist (Programming/Database), Help Desk Specialist (Software, Hardware), Personal Computer Support Specialist, Personal Computer Software, Medical Administrative Support
- Medical Assistant
Letter of Recognition
- A+ Training
- Building Trades Technologies: HVAC
- Building Trades Technologies: Welding
- Building Trades Technologies: Carpentry
- Building Trades Technologies: Electrical
- Building Trades Technologies: Plumbing
- Construction Management Basics
- Geographic Information Systems Basics
- Information Technology (Database Administration, A+, Microsoft Certified Professional)
- Medical Coding Basics
- Medical Transcription Basics
- Microsoft Certified Systems Engineer

Series of Courses
- CPA Exam Preparation courses

Continuing Education (noncredit)

David Croghan (301.624.2849)

Workforce Development

Information Technology
- Computer Technician Training (A+)
- CompTIA Network +
- CompTIA Security +
- Microsoft Certified Systems Engineer (MCSE)

Allied Health
- Certified Nursing Assistant
- Dental Assistant
- EKG Technician
- Medical Billing and Coding
- Pharmacology Technician
- Phlebotomy Technician
- Physical & Occupational Therapy

Business
- American Management Association (AMA)
- Certified Bookkeeper
- Professional Project Manager (PMP)
- Society for Human Resources (SHRM) PHR/SPHR
- Small Business

Licensure & Certification
- Real Estate
- Home Inspector
- Maryland Home Improvement Contractors License Exam Prep
- Mortgage Loan Officer
- Real Estate Agent
- Real Estate Appraisal

Construction
- Basic AutoCAD
- Carpentry
- Electricity
- Heating Ventilation Air Conditioning and Refrigeration (HVAC)
- Plumbing
- Welding

Child Care

Autobody

Veterinary Assistant

Equine

Personal Enrichment
- Arts, Crafts & Hobbies
- Culinary
- Drawing & Painting
- English as Your Second Language
- Health, Fitness & the Great Outdoors
- Home Decorating
- Languages
- Music & Dance
- Personal Finance
- Personal Growth & Self Help
- Photography
- Test Preparation
- Writing

Kids On Campus
- Boost Your Imagination
- Computers
- Hands-On Science
- Home-School Enrichment
- Kids' Cuisine
- Languages
- Media and the Arts
- Parents and Kids Together
- SAFE Sitter
- Sports and Fitness

Institute for Learning in Retirement (ILR)
- Art and music
- Computers and digital photography
- Golf, bridge and other hobbies
- Health and fitness
- History, government and world cultures
- Personal finance and elder law
- Science and nature
- Social issues and current events

Driver Education & Traffic Safety
- Motorcycle Safety
- Advanced Rider Clinic
- Basic Rider Course (BRC)
- Basic Rider Course II (BRC II)
- Experienced Rider Course (ERC)
- Motorcycle Maintenance

English

Chair: Elizabeth Holton (301.846.2551)

Associate of Arts (A.A.)
- English/Literature
**Mathematics**

Chair: Donna Mills (301.846.2615)

**Associate of Sciences (A.S.)**
- Mathematics

**Science**

Chair: Robert H. Ford (301.846.2628)

**Associate of Sciences (A.S.)**
- Biology
- Chemistry
- Engineering

**Associate of Applied Sciences (A.A.S.)**
- Bioprocessing Technology

**Certificates**
- Bioprocessing Technology

**Social Sciences**

Chair: Barbara Angleberger (301.846.2588)

**Associate of Arts (A.A.)**
- Criminal Justice
- Economics
- Government & Politics
- History
- Human Services (Gerontology, Social Work Transfer, Developmental Problems, Addictions)
- Psychology
- Sociology

**Associate of Applied Sciences (A.A.S.)**
- Early Childhood Development
- Paralegal
- Police Science

**Associate of Arts in Teaching (A.A.T.)**
- Education (Elementary)
- Mathematics (Secondary)
- Spanish (Secondary)
- Early Childhood Education

**Certificates**
- Addictions Counseling
- Civil War
- Corrections
- Early Childhood Development
- Gerontology
- Paralegal
- Senior Staff & Group Leader Training

**Letter of Recognition**
- Early Childhood Development
- Gerontology

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**Associate of Arts (A.A.) General Studies**

The general studies (A.A.) degree program is assigned to the jurisdiction of all departments listed for the instructional area, with final decisions resting within the office of the vice president for learning.

**Associate of Arts (A.A.) Arts & Sciences**

The arts and sciences A.A. degree program falls under the jurisdiction of the department in which the option selected is located. Please refer to the available options listed on page 44.

**Transfer Certificate Arts & Sciences**

The transfer certificate program is assigned to the jurisdiction of all departments in Arts & Sciences, with final decisions resting within the office of the vice president for learning. Please refer to the program requirements on page 44.
Degree Requirements

Description of Degrees (under revision)

Frederick Community College awards an associate's degree to those students who complete a prescribed curriculum with a 2.0 grade point average or better. The certificate of accomplishment is awarded to those students who complete a prescribed curriculum of specialized training with a 2.0 grade point average or better.

Associate of Arts (A.A.) Degree & Associate of Sciences (A.S.) Degree

To be eligible to receive the associate of arts or associate of sciences 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 34 credit hours of general education courses that will include the following: English 101, arts, humanities and communications (one course from each discipline) 9 credits; social & behavioral sciences (one course from each of 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 interdisciplinary/ emerging issues–6 credits. At least one general education course must be designated a course in cultural competence. For the complete list of general education courses and those designated cultural competence courses, see pages 37–39. In addition, a health or physical education course (1/3 credits) is required.
4. Obtain a minimum grade point average of 2.0 (in addition, certain programs of study may require a 2.0 grade point average for all designated major courses).
5. Complete at least 15 semester hours of academic credit at FCC.
6. Complete a graduation application and submit to the Welcome & Registration Center.

Diplomas are issued three times a year: August, December and May. The actual commencement ceremony is held 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 34 credit hours of general education courses as described in the program of study. At least one general education course must be designated a course in cultural competence. For the complete list of general education courses and those designated cultural competence courses, see pages 37–39.
4. Obtain a minimum grade point average of 2.75 and earn a 'C' or better in all courses used to satisfy the A.A.T. program of study.
5. Complete at least 15 semester hours of academic credit at FCC.
6. Students must also provide the Registrar's Office with acceptable scores on one of the following state approved standardized tests: SAT, ACT, GRE or PRAXIS I: Pre-Professional Skills Test.
7. Complete a graduation application and submit to the Welcome & Registration Center.

Diplomas are issued three times a year: August, December and May. The actual commencement ceremony is held in May.

Associate of Applied Sciences (A.A.S.) Degree

To be eligible to receive the associate of applied sciences 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: English 101; arts, humanities & communications; social & behavioral sciences; biological & physical sciences; and mathematics. At least one general education course must be designated a course in cultural competence. For the complete list of general education courses and those designated cultural competence courses, see pages 37–39. In addition, a health or physical education course (1/3 credits) is required.
4. Obtain a minimum grade point average of 2.0 (in addition, certain programs of study may require a 2.0 grade point average for all designated major courses).
5. Complete at least 15 semester hours of academic credit at FCC.
6. Complete a graduation application and submit to the Welcome & Registration Center.

Diplomas are issued three times a year: August, December and May. The actual commencement ceremony is held in May.

Certificate Requirements

To be eligible to receive the certificate of accomplishment, students must:

1. Complete a prescribed curriculum approved by the college.
2. Obtain a minimum grade point average of 2.0.
3. Transfer students must complete at least one three-credit course at FCC to receive the certificate of accomplishment.
4. Complete a graduation application and submit it to the Welcome & Registration Center.

Certificates are issued three times a year: August, December and May. The actual commencement ceremony is held in May.

Letter of Recognition (LOR)

To be eligible to receive a letter of recognition, students must:

1. Complete a prescribed curriculum approved by the college. No course substitutions are allowed.
2. Obtain a minimum grade point average of 2.0 in the courses required by the letter of recognition.
3. Transfer students must complete at least one three-credit course in the letter of recognition at FCC to receive a letter of recognition.
4. At least three hours of the letter of recognition must be taken for a grade other than Pass/Pfail.
5. Complete a letter of recognition application and submit it to the Welcome & Registration Center.

Letters of recognition are issued 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.
Program Requirements

Pages 40–95 contain information regarding programs of study offered by FCC. This informa-
tion describes both transfer programs and career 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 sciences (A.A.S.) degree is awarded upon the completion of most career programs.

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 sci-
cences (A.S.) degree, or the associate of arts in teaching (A.A.T.) degree is awarded upon the
completion of transfer programs.

Both career and transfer programs generally incorporate three different categories of course-
work. The categories include a general education core, required departmental courses and free
elective courses which the student may select. In addition, most programs require a physical
education or health course.

Cultural Competence Requirement

Developing cultural competence is essential for living and working in a diverse democratic
society. As part of the college’s degree requirements, students must complete a general
education 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 require-
ment as well as the cultural competence requirement. Following is a list of those courses
which will fulfill the cultural competence requirement.

AN 101—Introduction to Anthropology
AR 103—Survey of Non-Western Art
ASLS 106—Introduction to the Deaf Community
BU 281—Global Awareness/Work Environment
EN 205—World Literature
EN 206—World Literature
EN 227—Literature: Multicultural Perspectives
EN 230—African American Literature
GG 102—Cultural Geography
HI 217—African-American History
HS 102—Human Relations
ID 209—Ethnic Diversity
LF 201—Intermediate French I
LF 202—Intermediate French II
LS 201—Intermediate Spanish I
LS 202—Intermediate Spanish II
LS 211—Spanish Conversation
Ph 204—World Religions
Pl 220—Africa Today
PS 209—Women’s Studies: A Multicultural Perspective on the
Psychology & Sociology of Women
SD 102—A Multicultural & Global Society: First Year Seminar
SD 102—Social Problems
General Education Core

General education is the 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 sciences (A.S.) degree, or the associate of arts in teaching (A.A.T.) degree, the general education core consists of at least 34 credit hours which must include the following:

- English Composition 101 one course (3 credits)
- Arts, Humanities & Communications three courses, one selected from each area (9 credits)
- Social & Behavioral Sciences two courses, selected from different disciplines (6 credits)
- Biological & Physical Science two courses, one of which must be a lab science (7-8 credits)
- Mathematics one course (3-4 credits)
- Interdisciplinary & Emerging Issues two courses from two different disciplines (6 credits)

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

- English Composition 101 one course (3 credits)
- Arts, Humanities & Communications one course (3 credits)
- Social & Behavioral Sciences one course (3 credits)
- Biological & Physical Science one course (3-4 credits)
- Mathematics one course (3-4 credits)

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.

Courses that fulfill the general education core requirement are listed on pages 37–38.

General Education Goals

I. Students will demonstrate college-level communications skills.

II. Students will demonstrate critical thinking skills.

III. Students will analyze and interpret ways in which individuals, groups, institutions, or societies behave, function, and influence one another.

IV. Students will demonstrate quantitative problem solving.

V. Students will apply scientific reasoning.

VI. Students will demonstrate an understanding of technology and its uses.

VII. Students will demonstrate an understanding of and be able to interpret social and educational values.

VIII. Students will be able to make informed critical responses to the 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.

Required Departmental Courses

Courses determined by the faculty to be essential for students in a selected major or discipline are incorporated into each program of study as departmental requirements. In some cases they are specified. At other times they are listed as electives for the student to make the final choice.

Courses that fulfill the departmental requirements in a program are listed by discipline (i.e., Business, Computer & Information Sciences, Mathematics, etc.) on pages 96–131.

Free Elective Courses

Many programs incorporate a third category of required courses. This category is designated by the term elective(s). Students are free to select from any academic course offered by the college to fulfill this program requirement.

Selection may be made from general education courses, departmental courses and various other academic courses offered by the college.

Courses that fulfill this requirement are listed on pages 96–131, where descriptions of all courses are provided.

Selecting Courses

On the following pages are listed academic credit courses that may be used by students to fulfill certain program requirements. The courses listed are grouped by discipline or major.

Students should use the following criteria when selecting courses to meet program elective requirements.

1. All general education courses are listed in the appropriate category (i.e., Communications, Arts & Humanities, Mathematics, etc.) on pages 37–38.

2. Departmental courses are listed under the appropriate discipline (i.e., Business, Computer & Information Sciences, Mathematics, etc.) on pages 96–131.

3. Elective courses include most courses in the following list along with any academic course listed on pages 96–131, where all course descriptions are listed.

Please note: In some limited cases, courses do not carry academic credit and are clearly marked. These courses (CAH 113, AMA 110, for example) may not be used to satisfy elective requirements of academic degree programs.

Where programs require selecting courses from two disciplines, the following example may be helpful.

General Education Elective: Social Sciences, 6 credits required, select from two disciplines:
Select HI 101 and PS 101 or select PI 104 and SO 101.

Please note: Course prerequisites may be waived where mastery of course content has been acquired. Students should contact the course instructor and/or department chairperson for permission.
**General Education 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., MA 103H) in the class schedule.

† These courses fulfill the Cultural Competence graduation requirement.

1. Arts & Humanities

**Arts**
- AR 100—Introduction to the Creative Arts (3)
- AR 101—Fundamentals of Design I (3)
- AR 103—Survey of Non-Western Art (3) †
- AR 104—Survey of Art I (3)
- AR 105—Survey of Art II (3)
- AR 106—Drawing I (3)
- AR 113—Pottery I (3)
- CMM 101—Introduction to Electronic Media (3)
- CMM 103—Introduction to Film (3)
- CMM 105—Basic Darkroom to Digital Photography (3)
- DR 101—Introduction to Theater (3)
- DR/EN 229—Modern Drama (3) **
- MU 101—Introduction to Music History & Appreciation (3)
- MU 103—Fundamentals of Music (3)
- MU 104—Music Listening & Literature I (3)
- MU 105—Music Listening & Literature II (3)
- MU 111—Music Theory I (3)
- MU 112—Music Theory II (3)
- MU 211—Music Theory III (3)
- MU 212—Music Theory IV (3)

**Humanities**
- ASLS 102—American Sign Language I (3)
- ASLS 103—American Sign Language II (3)
- ASLS 202—American Sign Language III (3)
- ASLS 203—American Sign Language IV (3)
- DR/EN 229—Modern Drama (3) **
- EN 102—English Composition & Literature (3) *
- EN 201—British Literature (3)
- EN 202—British Literature (3)
- EN 203—American Literature (3)
- EN 204—American Literature (3)
- EN 205—World Literature (3) †
- EN 206—World Literature (3) †
- EN 214—The Poem (3)
- EN 215—The Novel (3)
- EN 216—The Short Story (3)
- EN 223—Classical Mythology (3)
- EN 226—Film as Literature (3)
- EN 230—African American Literature (3) †
- HU 201—Humanities I (3)
- HU 202—Humanities II (3)
- LF 101—Introductory French I (3)
- LF 102—Introductory French II (3)
- LF 201—Intermediate French I (3) †
- LF 202—Intermediate French II (3) †
- LG 101—Introductory German I (3)
- LG 102—Introductory German II (3)

2. English Composition
- EN 101—English Composition (3)
- EN 101S—English Composition with Supplementary Instruction (5)

3. Interdisciplinary & Emerging Issues

**Computer Literacy**
- CIS 101—Introduction to Computers & Information Processing (3)
- CIS 106—Introduction to Object Design & Programming (3)

**Wellness**
- HE 102—Nutrition in a Changing World (3)
- HE 201—Stress Management (3)
- HE 204—Health Education (3)
- PE 154—Fitness for Living (3)

**Interdisciplinary**
- ID 110—Media and Human Values (3)
- ID 113—Introduction to Leadership (3)
- ID 200H—Honors Seminar: Special Topics in Interdisciplinary Studies (3)
- ID 209—Ethnic Diversity (3) †
- ID 214—Introduction to Gerontology: Issues of the Aging & Aged (3)
- ID 220—World War II Through Film (3)
- ID 222—The Sixties (3)
- ID 225—Disaster, Crisis and Emergency Management (3)

* EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.

** DR/EN 229 can be taken to satisfy either the General Education requirement in Arts or in Humanities, but not both.

*** HI 217 can be taken to satisfy either the General Education requirement in Multicultural Issues & Perspectives or in History, but not both.

† These courses fulfill the cultural competence graduation requirement.
Multicultural Issues & Perspectives
ASLS 106—Introduction to the Deaf Community (3) ‡
BU 281—Global Awareness/Work Environment (3) ‡
EN 227—Literature: Multicultural Perspectives (3) ‡
HI 217—African-American History (3) *** ‡
PI 220—Africa Today (3) ‡
PS 209—Women’s Studies: A Multicultural Perspective on the Psychology & Sociology of Women (3) ‡
SD 102—A Multicultural & Global Society: First Year Seminar (3) ‡

4. Mathematics
MA 103—Foundations of Mathematics (3)
MA 105—Fundamental Concepts of Mathematics (4)
MA 106—Fundamental Concepts of Mathematics II (4)
MA 111—Precalculus (4)
MA 115—Mathematics of Finance (3)
MA 201—Applied Calculus (3)
MA 202—Introduction to Discrete Mathematics (3)
MA 206—Elementary Statistics (3)
MA 207—Elementary Statistics with Probability (4)
MA 210—Calculus I (4)
MA 211—Calculus II (4)
MA 212—Calculus III (4)
MA 213—Differential Equations (3)
MA 218—Linear Algebra (3)

5. Science
BI 100—Fundamental Concepts of Biology (4)
BI 101—General Biology (4)
BI 102—General Biology (4)
BI 103—Anatomy & Physiology (4)
BI 104—Anatomy & Physiology (4)
BI 107—Human Biology (4)
BI 117—Study of the Human Body (3)
BI 120—Microbiology for Allied Health (4)
BI 130—Forensic Biology (4)
BI 140—Biotechnology and Society (3)
BI 201—General Ecology (4)
BI 202—Human Ecology (3)
CH 100—Chemistry & Society (4)
CH 101—General Chemistry (4)
CH 102—General Chemistry (4)
PC 103—Elements of Physical Science (3)
PC 104—The Water Planet: Intro. to Oceanography (3)
PC 105—Introduction to Science of Weather (3)
PC 106—Introduction to Meteorology (4)
PC 107—Introductory Astronomy (4)
PC 108—Historical Geology (4)
PC 109—Physical Geology (4)
PC 114—Contemporary Physical Science (4)
PC 115—Introduction to Geoscience (4)
PC 121—Energy and Society (3)
PY 101—Survey of Physics (3)
PY 201—Fundamentals of Physics (4)
PY 202—Fundamentals of Physics (4)
PY 203—Introductory Physics I (4)
PY 204—Introductory Physics II (4)

6. Social & Behavioral Sciences

Anthropology
AN 101—Introduction to Anthropology (3) ‡

Economics
EC 201—Principles of Economics (Macro) (3)
EC 202—Principles of Economics (Micro) (3)

Education
ED 102—Schools & Society (3)
ED/PS 208—Human Growth & Development (3)

Geography
GG 101—Elements of Geography (3)
GG 102—Cultural Geography (3) ‡

History
HI 101—History of Western Civilization (3)
HI 102—History of Western Civilization (3)
HI 201—History of the United States (3)
HI 202—History of the United States (3)
HI 217—African-American History (3) *** ‡

Human Services
HS 102—Human Relations (3) ‡

Political Science
PI 104—American Government: National (3)
PI 105—American Government: State/Local (3)

Psychology
PS 101—General Psychology (3)
PS 202—Social Psychology (3)

Sociology
SD 101—Introduction to Sociology (3) ‡
SD 102—Social Problems (3)

* EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.

** DR/EN 229 can be taken to satisfy either the General Education requirement in Arts or in Humanities, but not both.

*** HI 217 can be taken to satisfy either the General Education requirement in Multicultural Issues & Perspectives or in History, but not both.

‡ These courses fulfill the cultural competence graduation requirement.
Developing cultural competence is essential for living and working in a diverse democratic society. As part of the college’s degree requirements, students must complete a general education 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 those courses which will fulfill the cultural competence requirement.

‡ AN 101–Introduction to Anthropology
‡ AR 103–Survey of Non-Western Art
‡ ASLS 106–Introduction to the Deaf Community
‡ BU 281–Global Awareness/Work Environment
‡ EN 205–World Literature
‡ EN 206–World Literature
‡ EN 227–Literature: Multicultural Perspectives
‡ EN 230–African American Literature
‡ GG 102–Cultural Geography
‡ HI 217–African-American History
‡ HS 102–Human Relations
‡ ID 209–Ethnic Diversity
‡ LF 201–Intermediate French I
‡ LF 202–Intermediate French II
‡ LS 201–Intermediate Spanish I
‡ LS 202–Intermediate Spanish II
‡ LS 211–Spanish Conversation
‡ PH 204–World Religions
‡ PI 220–Africa Today
‡ PS 209–Women’s Studies: A Multicultural Perspective on the Psychology & Sociology of Women
‡ SD 102–A Multicultural & Global Society: First Year Seminar
‡ SO 102–Social Problems

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.

Course Blackboard Requirements

Some course sections may require that the student have access to the course Blackboard Web site. Students enrolled in those courses are expected to participate through the Blackboard format using their own or appropriate college-available computers.
 Programs of Study

Accounting

A.A.S. Degree (Career)
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, ACCT 101, ACCT 201, ACCT 202, ACCT 233 and ACCT 111. (Transfer students should follow the business administration program.)

CE 101 Cultural Competence
All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>EN 101 English Composition</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Mathematics Elective (GenEd course list)</td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences</td>
<td>HS 102 or EC 201 recommended</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td>Communications Elective (GenEd course list)</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>CIS 101 Introduction to Computers &amp; Information Processing</td>
</tr>
<tr>
<td>PE/Health Elective</td>
<td></td>
</tr>
<tr>
<td>Other Requirements</td>
<td>Elective (Select from ACCT, BU or CIS) (Recommend ACCT 102)</td>
</tr>
</tbody>
</table>

Business Accounting

Certificate (Career)
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, ACCT 101, ACCT 201, ACCT 111.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 100 Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 101 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 117 Payroll Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 111 Computerized Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BU 203 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111E Spreadsheets</td>
<td>3</td>
</tr>
</tbody>
</table>

ACCT 111 Computerized Accounting

Certificate (Career)
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, ACCT 101, ACCT 201, ACCT 202, ACCT 233 and ACCT 111.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 100 Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 101 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 117 Payroll Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 111 Computerized Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BU 203 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111E Spreadsheets</td>
<td>3</td>
</tr>
</tbody>
</table>

Accounting

Letter Of Recognition (Career)
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 100 Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 111 Computerized Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Accounting and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Maryland University College—B.S. Accounting (Business Administration minor)

‡ The GenEd and Cultural Competency lists are available on pages 37–39.
CPA Examination Preparation Courses
For Persons With A Non-Accounting Bachelor’s Degree

(Not a degree or certificate program)
A series of courses designed for individuals who already have a bachelor’s degree and wish to sit for the CPA exam even though they did not major in accounting. These courses are recommended based on information provided by the Maryland Department of Licensing and Regulation. However, the college has no authority over the state’s acceptance of any courses to satisfy specific requirements. Those interested in more information regarding the requirements to sit for the CPA exam in Maryland should contact the Maryland Department of Licensing and Regulation at 501 St. Paul Place Room 902 Baltimore MD 21202 or email dllr.state.md.us or call 410.333.6322.

To take the Uniform CPA Examination in Maryland, an applicant shall satisfactorily complete 150 undergraduate semester hours, or their equivalent, including the attainment of a baccalaureate or higher degree from an accredited institution of higher education as specified in the Maryland Public Accountancy Act.

GROUP I—Accounting Education
An applicant must have successfully completed 27 semester hours in accounting subjects. Applicants must have completed one course each in auditing, managerial accounting or cost accounting, U.S. Federal Income Tax; nine semester undergraduate semester hours in financial accounting; and elective accounting courses.

Course Subject: AUDITING
(At least 3 undergraduate semester hours)
FCC Recommended course:
ACCT214 Auditing (3)

Course Subject: FINANCIAL ACCOUNTING
(At least 9 undergraduate semester hours)
FCC recommended courses:
ACCT100 Business Accounting (3)
ACCT101 Principles of Accounting I (3)
ACCT102 Principles of Accounting II (3)
ACCT201 Intermediate Accounting I (4)
ACCT202 Intermediate Accounting II (4)
ACCT117 Payroll Accounting (3)

Course Subject: MANAGERIAL COST ACCOUNTING
(At least 3 undergraduate semester hours)
FCC Recommended course:
ACCT203 Managerial Cost Accounting (3)

Course Subject: U.S. FEDERAL INCOME TAX
(At least 3 undergraduate semester hours)
FCC Recommended courses:
ACCT205 Federal Income Tax Accounting (3)
ACCT206 Federal Taxation: Corporations and Partnerships (3)

GROUP II—Business-Related Education
An applicant must have 21 undergraduate semester hours in five (5) of the following seven (7) business-related subjects:

Course Subject: STATISTICS
(At least 3 undergraduate semester hours)
FCC Recommended courses:
MA206 Elementary Statistics (3)

Course Subject: ECONOMICS
(At least 3 undergraduate semester hours)
FCC Recommended courses:
EC201 Principles of Economics (3)
EC202 Principles of Economics (3)

Course Subject: CORPORATION OR BUSINESS FINANCE
(At least 3 undergraduate semester hours)
FCC Recommended courses:
BU213 Principles of Finance (3)

Course Subject: MANAGEMENT
(At least 3 undergraduate semester hours)
FCC Recommended courses:
BU227 Principles of Management (3)

Course Subject: U.S. BUSINESS LAW
(At least 3 undergraduate semester hours)
FCC Recommended courses:
BU225 Marketing (3)

Course Subject: BUSINESS COMMUNICATION
(At least 3 undergraduate semester hours)
FCC Recommended courses:
BU273 Business Communications (3)

GROUP III—Ethics Education
An applicant must have 3 undergraduate semester hours in one of the following subject areas:

Course Subject: BUSINESS ETHICS
(At least 3 undergraduate semester hours)
FCC Recommended courses:
PH208 Business Ethics (3)

Course Subject: PHILOSOPHY OF ETHICS
(At least 3 undergraduate semester hours)
FCC Recommended courses:
PH205 Ethics (3)
American Sign Language Studies (ASLS)

Certificate (Career)
Designed to introduce students to the history, culture and community of the Deaf. Students work towards gaining fluency and mastery of American Sign Language by acquiring foundational skills, vocabulary, acceptance and knowledge of the Deaf community and by gaining an understanding of this unique non-verbal language. Students gain confidence by becoming involved in the Deaf community through coursework and internships.

By obtaining a certificate in American Sign Language (ASL) Studies, students have a strong foundation to further their studies in American Sign Language, 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 AA degree in general studies. Students will be required to complete the ASL Proficiency Interview prior to graduation.

Course Credits

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASLS 100</td>
<td>ASL Finger Spelling</td>
<td>2</td>
</tr>
<tr>
<td>ASLS 101</td>
<td>Visual Gestural Communication</td>
<td>3</td>
</tr>
<tr>
<td>ASLS 102</td>
<td>American Sign Language I</td>
<td>3</td>
</tr>
<tr>
<td>ASLS 103</td>
<td>American Sign Language II</td>
<td>3</td>
</tr>
<tr>
<td>ASLS 106</td>
<td>Introduction to the Deaf Community</td>
<td>3</td>
</tr>
<tr>
<td>ASLS 107</td>
<td>Introduction to Deaf History</td>
<td>3</td>
</tr>
<tr>
<td>ASLS 108</td>
<td>ASL Number Use</td>
<td>2</td>
</tr>
<tr>
<td>ASLS 202</td>
<td>American Sign Language III</td>
<td>3</td>
</tr>
<tr>
<td>ASLS 203</td>
<td>American Sign Language IV</td>
<td>3</td>
</tr>
<tr>
<td>ASLS 206</td>
<td>American Deaf Culture</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103</td>
<td>Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Architectural Computer Aided Design

A.A.S. Degree (Career)
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.

Course Credits

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competency</td>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MA 111 Precalculus</td>
<td>4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>CMSP 103 Speech Fundamentals or</td>
<td>3</td>
</tr>
<tr>
<td>CMSP 107 Career Communications</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td>PC 103 Elements of Physical Science, PC 109 Physical Geology or PY 101 Survey of Physics recommended</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>Wellness Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>CAD 101 Introduction to AutoCAD I</td>
<td>4</td>
</tr>
<tr>
<td>CAD 102 Introduction to AutoCAD II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAD 200 Introduction to Architectural Drawing and Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CAD 201 Residential Architecture I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CAD 202 Residential Architecture II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAD/GIS Elective Courses (choose nine credits from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAD 121, CAD 203, CAD 205, CAD 206, GIS 101, GIS 102)</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>CON 132 Materials &amp; Methods of Construction I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CON 133 Materials &amp; Methods of Construction II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CON 140 Architectural Blueprint Reading</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>INTR 103 Internship</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

‡ The GenEd and Cultural Competency lists are available on pages 37–39.
Architectural Computer Aided Design

Certificate (Career)
Provides students with the knowledge and skills required for success in a career as an architectural CAD drafter, designer, operator, or technician.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CAD 101</td>
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</tr>
<tr>
<td>CAD 102</td>
<td>4</td>
</tr>
<tr>
<td>CAD 200</td>
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<td>CAD 201</td>
<td>4</td>
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<td>CAD 202</td>
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<tr>
<td>CAD/GIS Elective Courses</td>
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</tr>
<tr>
<td>CON 132</td>
<td>3</td>
</tr>
<tr>
<td>CON 133</td>
<td>3</td>
</tr>
<tr>
<td>CON 140</td>
<td>3</td>
</tr>
</tbody>
</table>

37

Computer Aided Design Operator

Certificate (Career)
Provides students with the basic knowledge and skills required to succeed in an entry level position as an architectural CAD drafter, operator, or technician.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAD 101</td>
<td>4</td>
</tr>
<tr>
<td>CAD 102</td>
<td>4</td>
</tr>
<tr>
<td>CAD 201</td>
<td>4</td>
</tr>
<tr>
<td>CAD 202</td>
<td>4</td>
</tr>
<tr>
<td>CON 140</td>
<td>3</td>
</tr>
<tr>
<td>CAD/GIS Elective Courses</td>
<td>6</td>
</tr>
</tbody>
</table>

25

Art

A.A. Degree (Transfer) An Option of Arts & Sciences
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101</td>
<td>3</td>
</tr>
<tr>
<td>EN 102</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>HI 101</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list) (Other than HI)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>AR 101</td>
<td>3</td>
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<tr>
<td>AR 102</td>
<td>3</td>
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<td>AR 103</td>
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<td>AR 104</td>
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<td>AR 107</td>
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<td>AR 111</td>
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<td>AR 112</td>
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<td>AR 113</td>
<td></td>
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<tr>
<td>AR 114</td>
<td></td>
</tr>
<tr>
<td>Humanities:</td>
<td></td>
</tr>
<tr>
<td>Cultural Competence</td>
<td></td>
</tr>
<tr>
<td># Cultural Competence</td>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with # from the GenEd list to satisfy at least one of the degree requirements below.</td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101</td>
<td>3</td>
</tr>
<tr>
<td>EN 102</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>HI 101</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list) (Other than HI)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>AR 101</td>
<td>3</td>
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<tr>
<td>AR 102</td>
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<td>AR 103</td>
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<tr>
<td>AR 114</td>
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</tr>
<tr>
<td>Humanities:</td>
<td></td>
</tr>
<tr>
<td>Cultural Competence</td>
<td></td>
</tr>
<tr>
<td># Cultural Competence</td>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with # from the GenEd list to satisfy at least one of the degree requirements below.</td>
</tr>
</tbody>
</table>

# The GenEd and Cultural Competency lists are available on pages 37–39.
**Arts & Sciences**

**A.A. or A.S. Degree (Transfer)**
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 select arts & sciences as a major. Select from one of the following options to this program: art, biology, chemistry, communications (speech), criminal justice, digital media design, drama, economics, engineering, English/Literature, government & politics, history, human services, massage therapy, mathematics, philosophy, pre-nursing, psychology, and sociology.

Students wishing to concentrate in one of these individual options should study the specific listing in the catalog and consult with an advisor. The general education requirements for this program include at least one course from each of the following areas:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>6</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>2/3</td>
</tr>
</tbody>
</table>

**Transfer Studies**

Provides students with maximum academic flexibility to meet transfer course requirements at four-year institutions. Students should meet with a counselor or advisor to select appropriate courses required by the transfer institution(s) of interest. All of the courses in this certificate may be used in the General Studies degree program.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>2/3</td>
</tr>
</tbody>
</table>

**Banking & Financial Management**

**A.A.S. Degree (Career)**

Prepares students for immediate employment with all types of financial institutions. Upon completion, the student should be ready for entry-level management or management-trainee positions with banks, investment firms and other financial institutions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>6</td>
</tr>
</tbody>
</table>

**Transfer Note:**
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Banking & Financial Management and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Maryland University College—B.S. Finance

**The GenEd & Cultural Competency lists are available on pages 37–39.**
Financial Management In Banking

Certificate (Career)
Prepares students for immediate employment with banking and financial management institutions. Students will learn accounting, bank operations and other finance related information.

Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 101</td>
<td></td>
</tr>
<tr>
<td>BU 227</td>
<td></td>
</tr>
<tr>
<td>BU 250</td>
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<tr>
<td>CIS 101</td>
<td></td>
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<tr>
<td>EC 201</td>
<td></td>
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<tr>
<td>EN 101</td>
<td></td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
</tbody>
</table>

Bank Operations

Certificate (Career)
Designed for students seeking an entry-level management-trainee position at a financial institution. It will give students a knowledge of basic business practices and an introduction to banking operations.

Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 103</td>
<td></td>
</tr>
<tr>
<td>BU 107</td>
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<tr>
<td>BU 227</td>
<td></td>
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<tr>
<td>BU 250</td>
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<tr>
<td>BU 273</td>
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<tr>
<td>Elective</td>
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<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Banking Electives: Select 9 credits from the following:
- BU 213 Principles of Finance (3)
- BU 221 Public Relations (3)
- BU 223 Human Resources Management (3)
- BU 240 Real Estate Finance (3)
- BU 252 Introduction to International Finance (3)
- BU 260 Bank Investment (3)
- BU 265 Home Mortgage Lending (3)
- BU 270 Installment Credit (3)
- EC 210 Money & Banking (3)

Other Requirements

Prepares students for immediate employment with banking and financial management institutions. Students will learn accounting, bank operations and other finance related information.

Certificate (Career)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 103</td>
<td></td>
</tr>
<tr>
<td>BU 107</td>
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</tr>
<tr>
<td>BU 227</td>
<td></td>
</tr>
<tr>
<td>BU 250</td>
<td></td>
</tr>
<tr>
<td>BU 273</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
</tr>
</tbody>
</table>

Biology

A.S. Degree (Transfer) An Option of Arts & Sciences
Offers a selection of biology and other natural and physical science related courses for the student who wishes to pursue a bachelor of science degree in biology.

Pre-dental and pre-medical students can obtain transfer information from the American Association of Dental Schools, 1625 Massachusetts Avenue, N.W., Washington, D.C. 20036 or the Association of American Medical Colleges, One Dupont Circle, N.W., Washington, D.C. 20036, or from the prospective schools.

Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 101</td>
<td></td>
</tr>
<tr>
<td>BU 227</td>
<td></td>
</tr>
<tr>
<td>BU 250</td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td></td>
</tr>
<tr>
<td>EC 201</td>
<td></td>
</tr>
<tr>
<td>EN 101</td>
<td></td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Requirements

- English Composition (GenEd course list)
- Mathematics
  - Select 2 of the following:
    - MA 111 Precalculus
    - MA 201 Applied Calculus
    - MA 206 Elementary Statistics
    - MA 210 Calculus I
    - MA 211 Calculus II
  - Social & Behavioural Sciences (GenEd electives must be from two disciplines)
    - # Social & Behavioural Sciences Elective (GenEd course list)
    - # Social & Behavioural Sciences Elective (GenEd course list)

Other Requirements

- Cultural Competence
  - All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with # from the GenEd list to satisfy at least one of the degree requirements below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101</td>
<td></td>
</tr>
</tbody>
</table>

- # Social & Behavioural Sciences Elective (GenEd course list)
- # Social & Behavioural Sciences Elective (GenEd course list)

- Social & Behavioural Sciences Elective (GenEd course list)

- Multicultural Issues & Perspectives (GenEd course list)

- Wellness Elective (GenEd course list)

- Multicultural Issues Elective (GenEd course list)

- Wellness Elective (GenEd course list)

PE/Health Elective (A Wellness course will satisfy this requirement)

Other Requirements

- Electives (Science or Math; PY 201, PY 202 or PY 203 strongly recommended)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6/8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

The GenEd and Cultural Competency lists are available on pages 37–39.
Bioprocessing Technology

A.A.S. Degree (Career)
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.

Course Credits

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultural Competence</td>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EN 101  English Composition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Math Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td></td>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>CIS 101  Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PE/Health Elective</td>
<td>1/3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>‡ Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td>BI 101  General Biology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CH 101  General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CH 102  General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>EN 115  Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BI 120  Microbiology for Allied Health or</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BI 203  Elements of Microbiology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BPM 101  Introduction to Bioprocessing Technology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BPM 102  Bioprocessing Environment</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BPM 110  Bioprocessing Measurements</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BPM 214  Techniques in Bioproduction</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BI 220  Cell Biology and Tissue Culture</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>INTR 103  Internship</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>‡ Elective</td>
<td>3/4</td>
</tr>
</tbody>
</table>

Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Bioprocessing Technology and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Maryland University College–B.T.P.S. Biotechnology, B.S. Laboratory Management

‡ The GenEd and Cultural Competency lists are available on pages 37–39.
### Building Trades

**A.A.S. Degree (Career)**

Provides students with a comprehensive mixture of academic and practical training in the areas involved in building trades technology. The student selects a track in Heating, Ventilation, and Air Conditioning (HVAC), Welding, Carpentry, Electrical, or Plumbing.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101</td>
<td>English Composition</td>
</tr>
<tr>
<td>Math Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social Science Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>CMSP 103</td>
<td>Speech Fundamentals or</td>
</tr>
<tr>
<td>CMSP 107</td>
<td>Career Communications</td>
</tr>
<tr>
<td>PC 103 Elements of Physical Science, PC 109 Physical Geology, or PY 101 Survey of Physics recommended</td>
<td>3/4</td>
</tr>
<tr>
<td>SD 102</td>
<td>A Multicultural and Global Society: First Year Seminar</td>
</tr>
<tr>
<td>Physical Education or Health course (PE 108, PE 126, or PE166 recommended)</td>
<td>1/3</td>
</tr>
<tr>
<td>BLD 101</td>
<td>Introduction to Building Trades</td>
</tr>
<tr>
<td>BU 274</td>
<td>Customer Relations</td>
</tr>
<tr>
<td>CON 132</td>
<td>Materials &amp; Methods of Construction I</td>
</tr>
<tr>
<td>CON 133</td>
<td>Materials &amp; Methods of Construction II</td>
</tr>
<tr>
<td>CON 140</td>
<td>Architectural Blueprint Reading</td>
</tr>
<tr>
<td>CON 203</td>
<td>Principles of Site Management</td>
</tr>
<tr>
<td>INTR 102</td>
<td>Internship</td>
</tr>
<tr>
<td>INTR 102</td>
<td>Internship</td>
</tr>
</tbody>
</table>

Select one of the following tracks:

#### Track 1: HVAC

**Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 111</td>
<td>HVAC I: Basic Electricity and Controls for HVACR</td>
</tr>
<tr>
<td>BLD 112</td>
<td>HVAC II: Introduction to HVAC</td>
</tr>
<tr>
<td>BLD 113</td>
<td>HVAC III: Residential Systems—Air Conditioning and Heat Pumps</td>
</tr>
<tr>
<td>BLD 114</td>
<td>HVAC IV: Residential Systems—Heating Systems</td>
</tr>
</tbody>
</table>

#### Track 2: Welding

**Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 121</td>
<td>Welding I: Introduction to Welding</td>
</tr>
<tr>
<td>BLD 122</td>
<td>Welding II: Advanced Welding</td>
</tr>
<tr>
<td>BLD 123</td>
<td>Welding III: Layout and Fabrication for Pipe Welding</td>
</tr>
<tr>
<td>BLD 124</td>
<td>Welding IV: Pipe Welding</td>
</tr>
</tbody>
</table>

#### Track 3: Carpentry

**Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 131</td>
<td>Carpentry I: The Basics</td>
</tr>
<tr>
<td>BLD 132</td>
<td>Carpentry II: Advanced Carpentry</td>
</tr>
<tr>
<td>BLD 133</td>
<td>Carpentry III: Building Practices and Frame Construction</td>
</tr>
<tr>
<td>BLD 134</td>
<td>Carpentry IV: Interior Trim and Floor Finishes</td>
</tr>
</tbody>
</table>

#### Track 4: Electrical

**Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 141</td>
<td>Electrical I: Basic Electrical Theory</td>
</tr>
<tr>
<td>BLD 142</td>
<td>Electrical II: Understanding the National Electric Code (NEC)</td>
</tr>
<tr>
<td>BLD 143</td>
<td>Electrical III: Understanding the National Electric Code Part II</td>
</tr>
<tr>
<td>BLD 144</td>
<td>Electrical IV: Electric Motors and Controls</td>
</tr>
</tbody>
</table>

#### Track 5: Plumbing

**Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 151</td>
<td>Plumbing I: Introduction to Plumbing</td>
</tr>
<tr>
<td>BLD 152</td>
<td>Plumbing II: Advanced Plumbing</td>
</tr>
<tr>
<td>BLD 153</td>
<td>Plumbing III: Mathematical Applications and Specialized Systems</td>
</tr>
<tr>
<td>BLD 154</td>
<td>Plumbing IV: Principles of Leadership, Business, and Customer Service</td>
</tr>
</tbody>
</table>

**A.A.S. Degree total credits:** 60/64

**Transfer Note:**

FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Building Trades and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471 or the Program Manager at 301.846.2888.

- University of Maryland University College—B.S. Management Studies

*The GenEd and Cultural Competency lists are available on pages 37–39.*
Building Trades Technology

Certificate (Career)
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, Carpentry, Electrical, or Plumbing.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 101</td>
<td>3</td>
</tr>
<tr>
<td>BU 274</td>
<td>3</td>
</tr>
<tr>
<td>INTR 102</td>
<td>2</td>
</tr>
</tbody>
</table>

Select one of the following tracks:

Track 1: HVAC

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 111 HVAC I: Basic Electricity and Controls for HVACR</td>
<td>4</td>
</tr>
<tr>
<td>BLD 112 HVAC II: Introduction to HVAC</td>
<td>4</td>
</tr>
<tr>
<td>BLD 113 HVAC III: Residential Systems—Air Conditioning and Heat Pumps</td>
<td>4</td>
</tr>
<tr>
<td>BLD 114 HVAC IV: Residential Systems—Heating Systems</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Track 2: Welding

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 121 Welding I: Introduction to Welding</td>
<td>4</td>
</tr>
<tr>
<td>BLD 122 Welding II: Advanced Welding</td>
<td>4</td>
</tr>
<tr>
<td>BLD 123 Welding III: Layout and Fabrication for Pipe Welding</td>
<td>4</td>
</tr>
<tr>
<td>BLD 124 Welding IV: Pipe Welding</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Track 3: Carpentry

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 131 Carpentry I: The Basics</td>
<td>4</td>
</tr>
<tr>
<td>BLD 132 Carpentry II: Advanced Carpentry</td>
<td>4</td>
</tr>
<tr>
<td>BLD 133 Carpentry III: Building Practices and Frame Construction</td>
<td>4</td>
</tr>
<tr>
<td>BLD 134 Carpentry IV: Interior Trim and Floor Finishes</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Track 4: Electrical

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 141 Electrical I: Basic Electrical Theory</td>
<td>4</td>
</tr>
<tr>
<td>BLD 142 Electrical II: Understanding the National Electric Code (NEC)</td>
<td>4</td>
</tr>
<tr>
<td>BLD 143 Electrical III: Understanding the National Electric Code Part II</td>
<td>4</td>
</tr>
<tr>
<td>BLD 144 Electrical IV: Electric Motors and Controls</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Track 5: Plumbing

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 151 Plumbing I: Introduction to Plumbing</td>
<td>4</td>
</tr>
<tr>
<td>BLD 152 Plumbing II: Advanced Plumbing</td>
<td>4</td>
</tr>
<tr>
<td>BLD 153 Plumbing III: Mathematical Applications and Specialized Systems</td>
<td>4</td>
</tr>
<tr>
<td>BLD 154 Plumbing IV: Principles of Leadership, Business, and Customer Service</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Certificate total credits: 24

HVAC

Letter of Recognition (Career)
Prepares students with basic skills in Heating, Ventilation, and Air Conditioning.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 101 Introduction to Building Trades</td>
<td>3</td>
</tr>
<tr>
<td>BLD 111 HVAC I: Basic Electricity and Controls for HVACR</td>
<td>4</td>
</tr>
<tr>
<td>BLD 112 HVAC II: Introduction to HVAC</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

Welding

Letter of Recognition (Career)
Prepares students with basic skills in welding.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 101 Introduction to Building Trades</td>
<td>3</td>
</tr>
<tr>
<td>BLD 121 Welding I: Introduction to Welding</td>
<td>4</td>
</tr>
<tr>
<td>BLD 122 Welding II: Advanced Welding</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

Carpentry

Letter of Recognition (Career)
Prepares students with basic skills in carpentry.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 101 Introduction to Building Trades</td>
<td>3</td>
</tr>
<tr>
<td>BLD 131 Carpentry I: The Basics</td>
<td>4</td>
</tr>
<tr>
<td>BLD 132 Carpentry II: Advanced Carpentry</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

Electrical

Letter of Recognition (Career)
Prepares students with basic skills in electrical systems.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 101 Introduction to Building Trades</td>
<td>3</td>
</tr>
<tr>
<td>BLD 141 Electrical I: Basic Electrical Theory</td>
<td>4</td>
</tr>
<tr>
<td>BLD 142 Electrical II: Understanding the National Electrical Code (NEC)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

Plumbing

Letter of Recognition (Career)
Prepares students with basic skills in plumbing systems.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLD 101 Introduction to Building Trades</td>
<td>3</td>
</tr>
<tr>
<td>BLD 151 Plumbing I: Introduction to Plumbing</td>
<td>4</td>
</tr>
<tr>
<td>BLD 152 Plumbing II: Advanced Plumbing</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>
## Business Administration

### A.A. Degree (Transfer)

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>‡ Cultural Competence</strong></td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>MA 206 Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>EC 201 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>EC 202 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (GenEd course list) (Other than EC)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>‡ Interdisciplinary Issues Elective (GenEd course list) or ‡ Multicultural Issues &amp; Perspectives (GenEd course list) or Wellness Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>ACCT 101 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 102 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BU 103 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>‡ Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

Students are able to meet all course requirements for this degree from the college’s selection of online courses.

‡ The GenEd and Cultural Competency lists are available on pages 37–39.
Business Management

A.A.S. Degree (Career)
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
</tbody>
</table>

Business Management, continued

Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Business Management and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Maryland University College—B.S. Business Administration

# The GenEd and Cultural Competency lists are available on pages 37–39.

Business Enterprise

Certificate (Career)
Designed for students desiring to start their own businesses whether sole proprietorship, partnership, or corporation. Coursework covers basic information on business practices. All credits earned can be applied toward the Entrepreneurship Certificate and Business Management A.A.S. degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ HS 102 Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>Any GenEd Wellness Elective or any other GenEd Elective course &amp; a PE course</td>
<td>3/4</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>ACCT 101 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BU 103 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BU 116 Global Business Simulation (Business Practice Firm) or INTR 103 Internship</td>
<td>3</td>
</tr>
<tr>
<td>BU 211 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BU 227 Principles of Management or BU 272 Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111E Microcomputer Software Apps: Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>Choose seven (7) of the following courses: ACCT 100 Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 102 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 111 Computerized Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 117 Payroll Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 203 Managerial Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BU 107 Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>BU 109 Entrepreneurship and Small Business Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>BU 116 Global Business Simulation (Business Practice Firm) (if not taken as a required course)</td>
<td>3</td>
</tr>
<tr>
<td>BU 212 Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>BU 213 Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>BU 221 Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>BU 223 Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BU 225 Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BU 227 Principles of Management (if not taken as a required course)</td>
<td>3</td>
</tr>
<tr>
<td>BU 272 Supervisory Management (if not taken as a required course)</td>
<td>3</td>
</tr>
<tr>
<td>BU 273 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BU 274 Customer Relations</td>
<td>3</td>
</tr>
<tr>
<td>BU 275 Fundamentals of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111B Microcomputer Software Apps: Database</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111R Business Software Applications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 116 Choose 3 electives from CIS 116B, C, D, K, R, Q</td>
<td>3</td>
</tr>
<tr>
<td>EC 201 Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>EC 202 Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103 Internship (if not taken as a required course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Entrepreneurship

Certificate (Career)
Builds on the coursework in the Business Enterprise Certificate. It prepares students to successfully operate their businesses by acquiring skills in management, human resources and law. All courses apply toward the Business Management Program A.A.S. degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective.....</td>
<td></td>
</tr>
<tr>
<td>ACCT 101 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BU 103 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BU 109 Entrepreneurship and Small Business Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>BU 211 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BU 223 Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BU 225 Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BU 227 Principles of Management or BU 272 Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>BU 273 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 111 Microcomputer Software Apps: Computerized Accounting or CIS 111R Business Software Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

60/63
Supervision

Certificate (Career)
Prepares students for immediate career employment in retail, service and financial industries or enhances current employment in supervisory positions. All courses apply to the Management Certificate and the Business Management A.A.S. degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 103</td>
<td>3</td>
</tr>
<tr>
<td>BU 272</td>
<td>3</td>
</tr>
<tr>
<td>BU 273</td>
<td>3</td>
</tr>
<tr>
<td>BU 275</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>3</td>
</tr>
<tr>
<td>HS 102</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Management

Certificate (Career)
Prepares students for immediate career employment in retail, service and financial industries or enhances current employment in management positions. All courses apply to the Business Management A.A.S. degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 101</td>
<td>3</td>
</tr>
<tr>
<td>BU 103</td>
<td>3</td>
</tr>
<tr>
<td>BU 211</td>
<td>3</td>
</tr>
<tr>
<td>BU 223</td>
<td>3</td>
</tr>
<tr>
<td>BU 227</td>
<td>3</td>
</tr>
<tr>
<td>BU 272</td>
<td>3</td>
</tr>
<tr>
<td>BU 273</td>
<td>3</td>
</tr>
<tr>
<td>BU 275</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>3</td>
</tr>
<tr>
<td>EN 101</td>
<td>3</td>
</tr>
<tr>
<td>HS 102</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

Business Studies

Certificate (Career)
Designed for students seeking a basic understanding of business concepts and procedures, such as accounting and business practices. All courses in this certificate option can be applied toward the completion of the two-year A.A.S. degree in Business Management.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 101</td>
<td>3</td>
</tr>
<tr>
<td>BU 103</td>
<td>3</td>
</tr>
<tr>
<td>BU 107</td>
<td>3</td>
</tr>
<tr>
<td>BU 273</td>
<td>3</td>
</tr>
<tr>
<td>CIS 116 Elective</td>
<td>1</td>
</tr>
<tr>
<td>HS 102</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

American Management Association Certification (AMA) * (Continuing Education)

This is a nationally recognized course of study designed for learners interested in developing or enhancing their management skills in accelerated format. These classes are intended only for professional development. They cannot be counted toward an academic degree, academic certificate, or graduation. Three noncredit certificates are available. For additional information, call 301.846.2684.

American Management Association Certificate in Management
Successful completion of six AMA Management courses is required. Courses vary each semester. Consult the Continuing Education schedule of classes for details.

American Management Association Certificate in Human Resources Management
Successful completion of three AMA Human Resources Management-specific courses, plus three additional AMA Management courses is required. Courses vary each semester. Consult noncredit schedule of classes for details.

American Management Association Advanced Certificate in Human Resources Management
Successful completion of six AMA Human Resources Management-specific courses, plus three additional AMA Management courses is required. Courses may vary each semester. Consult noncredit schedule of classes for details.

* Noncredit Courses. Fee structure for the above AMA certification courses are subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
Cardiovascular Technology

A.A.S. Degree (Career)

Mid-Maryland Allied Healthcare Education Consortium
Howard Community College Degree

Prepares students to enter the allied health career field of cardiovascular technology to gather data and perform various cardiovascular and/or vascular diagnostic tests and procedures under the direction of a physician. The invasive technologist may be found in cardiovascular catheterization, blood gas, and electrophysiology laboratories. Working in the cardiovascular 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.

### Course Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>English Composition</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 111</td>
<td>Precalculus or Calculus</td>
<td>4</td>
</tr>
<tr>
<td>BI 104</td>
<td>Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BI 103</td>
<td>Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CH 101</td>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CH 115</td>
<td>X-ray Theory</td>
<td>1</td>
</tr>
<tr>
<td>PY 201</td>
<td>Fundamentals of Physics</td>
<td>4</td>
</tr>
<tr>
<td>PY 202</td>
<td>Fundamentals of Physics</td>
<td>4</td>
</tr>
</tbody>
</table>

Cardiovascular technology courses offered at Howard Community College include:

- HEAL 110 The Health Care Professional  2
- HEAL 124 Health Care Professional Lab  1
- CARD 101 Cardiovascular Assessments  3
- CARD 102 Physical Principles of Medicine  3
- CARD 108 Advanced Anatomy and Pathophysiology  3
- CARD 115 X-ray Theory  1
- CARD 201 Cardiovascular Pharmacology  2
- CARD 203 Medical Instrumentation  2
- CARD 207 Diagnostic and Interventional Procedures  9
- CARD 231 Applied Clinical Practicum  3
- CARD 251 Advanced Interventional Procedures  5
- CARD 261 Clinical Internship  4

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.

* Advanced standing awarded for students who have approved prior experience in a health care setting.
### Communications (Speech)

**A.A. Degree (Transfer)**

Designed for students interested in all fields stressing human interaction. In addition to communications courses, a broad range of social science and humanities courses are recommended. The option is designed to prepare the student to transfer to a four-year institution.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>EN 102 English Composition &amp; Literature</td>
<td>3</td>
</tr>
<tr>
<td>EN 212 Journalism</td>
<td>3</td>
</tr>
<tr>
<td>English Elective (EN 201, 202, 203, 204, 205 or 206)</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PS 202 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>History (HI) Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>HS 102 Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (Political Science)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>DR 101 Introduction to Theater</td>
<td>3</td>
</tr>
<tr>
<td>DR 214 Readers' Theater</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td></td>
</tr>
<tr>
<td>PH 101 Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>CMM 103 Speech Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>Communications</td>
<td></td>
</tr>
<tr>
<td>CMM 103 Speech Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CMM 105 Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>Computer Literacy Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>6</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
</tbody>
</table>

### Computer Graphics Certificate

**Career**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 101 Introduction to Electronic Media</td>
<td>3</td>
</tr>
<tr>
<td>CMM 111 Communications Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>CMM 112 Communications Graphics II</td>
<td>3</td>
</tr>
<tr>
<td>CMM 114 Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>CMM 115 Professional &amp; Transfer Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>CMM 131 Darkroom Photography I or</td>
<td></td>
</tr>
<tr>
<td>CMM 132 Digital Photography</td>
<td>3/4</td>
</tr>
<tr>
<td>CMM 152 Television Studio Production</td>
<td>4</td>
</tr>
<tr>
<td>CMM 212 Communications Graphics III</td>
<td>3</td>
</tr>
<tr>
<td>INTR 102 Internship</td>
<td>2</td>
</tr>
</tbody>
</table>

‡ The GenEd and Cultural Competency lists are available on pages 37–39.
Computer Science

A.S. Degree (Transfer)
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.

Course             Credits
---                ---
MA 210 Calculus I ..........................................................  4
MA 202, MA 206 or MA 207, MA 211, MA 212, MA 213, MA 218 ......  6/8

Social & Behavioral Sciences (Electives must be from two disciplines)
‡ Social & Behavioral Sciences Elective (GenEd course list) (Electives must be from two disciplines)  6

Arts & Humanities
‡ Arts Elective (GenEd course list) ........................................  3
‡ Humanities Elective (GenEd course list) .................................  3
Communications Elective (GenEd course list) .........................  3

Biological & Physical Sciences
Biological or Physical Sciences Elective (Lab course) (GenEd course list) 4
Biological or Physical Sciences Elective (GenEd course list) ........  3/4

Interdisciplinary & Emerging Issues
CIS 101 Introduction to Computers & Information Processing or
CIS 106 Introduction to Object Design & Programming .............  3
‡ Interdisciplinary Issues Elective (GenEd course list) or
‡ Multicultural Issues & Perspectives (GenEd course list) or
Wellness Elective (GenEd course list) .................................  3

PE/Health Elective ................................................................  1/3

Other Requirements
CIS 201 Computer Science I ...............................................  3
CIS 202 Computer Science II ..............................................  3
CIS 203 Systems Analysis & Design or
CIS 250 Microprocessor Assembly Language ..........................  3
CIS Electives: Select nine (9) credits from the following list:
CIS 106, CIS 118, CIS 119, CIS 120, CIS 121, CIS 140, CIS 206, CIS 208,
CIS 210, CIS 212, CIS 217, CIS 218, CIS 225 (A,B,), CIS 230, CIS 232,
CIS 235, CIS 241, CIS 250 ..............................................  9

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‡ The GenEd and Cultural Competency lists are available on pages 37–39.

Construction Management & Supervision

A.A.S. Degree (Career)
Provides students with a broad range of knowledge and skills required for success in a career in construction management.

Course             Credits
---                ---
‡ Cultural Competence
All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.

English
EN 101 English Composition .............................................  3

Mathematics
MA 111 Precalculus ............................................................  4

Social & Behavioral Sciences
‡ Social Science Elective (GenEd course list)
(HIS 102 Human Relations recommended) .............................  3

Arts & Humanities
CMSP 103 Speech Fundamentals or
CMSP 104 Group Discussion or
CMSP 107 Career Communications ........................................  3

Biological & Physical Sciences
Biological or Physical Sciences Elective (GenEd course list)
(PY 101 Survey of Physics or PC 103 Elements of Physical Science or PC 109 Physical Geology recommended) ....  3/4

Interdisciplinary & Emerging Issues
CIS 101 Introduction to Computers & Information Processing ....  3
Wellness Elective (GenEd course list) .....................................  3

Other Requirements
BU 272 Supervisory Management .......................................  3
BU 273 Business Communication .......................................  3
CON 101 Introduction to Construction Management ...............  3
CON 131 Construction Law ..................................................  3
CON 132 Materials & Methods of Construction I ....................  3
CON 133 Materials & Methods of Construction II .................  3
CON 140 Architectural Blueprint Reading ................................  3
CON 203 Principles of Site Management ..............................  3
CON 204 Construction Project Cost Estimating .......................  3
CON 205 Construction Accounting & Financial Management ....  3
CON 206 Construction Project Scheduling ............................  3

Complete two courses (6 credits) from those listed below:
CON 150 Applied Practices in Construction/Construction Management I (3)
CON 151 Applied Practices in Construction/Construction Management II (3)
INTR 103 Internship (3)
CON 200 Construction Surveying (3)
CON 202 Mechanical and Electrical Systems (3) ......................  6

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Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S in Construction Management & Supervision and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471 or the Program Manager at 301.846.2611.
- Pennsylvania College of Technology—B.A. Construction Management
- University of Maryland University College—B.S. Management Studies

‡ The GenEd and Cultural Competency lists are available on pages 37–39.
Construction Management & Supervision

Certificate (Career)
Designed for persons already employed in the construction industry who will benefit from management-type courses related to that industry. Completion of this program should open opportunities for promotion.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 273</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>3</td>
</tr>
<tr>
<td>CON 101</td>
<td>3</td>
</tr>
<tr>
<td>CON 131</td>
<td>3</td>
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<td>CON 132</td>
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<td>CON 133</td>
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<td>CON 140</td>
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<td>CON 203</td>
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<td>CON 205</td>
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</tr>
<tr>
<td>CON 206</td>
<td>3</td>
</tr>
<tr>
<td>Complete one course (3 credits) from those listed below:</td>
<td></td>
</tr>
<tr>
<td>CON 150</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103</td>
<td>3</td>
</tr>
<tr>
<td>CON 200</td>
<td>3</td>
</tr>
<tr>
<td>CON 202</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

Construction Technology Academy

Certificate (Career)
Introduces the principles of construction and management supervision. Designed as the first rung of a higher education/career ladder in Construction Management and Supervision. Intended primarily but not exclusively for learners entering the Construction Management and Supervision program out of high school, particularly those who have pursued a vocational/technical course of study. Completion of this program will position the learner to continue studies leading to the Construction Management and Supervision Certificate and/or the A.A.S. degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON 101</td>
<td>3</td>
</tr>
<tr>
<td>CON 140</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>3</td>
</tr>
<tr>
<td>CON 132</td>
<td>3</td>
</tr>
<tr>
<td>CON 133</td>
<td>3</td>
</tr>
<tr>
<td>CON</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

Construction Management Basics

Letter of Recognition (Career)
Prepares students with the basic skills needed in Construction Management. All of the courses in this LOR may be used in the Construction Management degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON 101</td>
<td>3</td>
</tr>
<tr>
<td>CON 132, CON 133, CON 140, CON 150, CON 151</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

Building Trades * (Continuing Education)

Carpentry
Introduces student to the basics of carpentry, layout work, estimating, and blueprint reading. The series of courses provides instruction on wall and floor covering installation and repair, rafter, trusses, and joint installation, stair layout and installation, ceramic tile walls and floor installation, ceiling finishing and drywall installation and finishing.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAR 131</td>
<td>3</td>
</tr>
<tr>
<td>CAR 132</td>
<td>3</td>
</tr>
<tr>
<td>CAR 133</td>
<td>3</td>
</tr>
<tr>
<td>CAR 134</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

Electricity
Introduces student to the basics of electricity, electrical calculations, basic electrical circuits, the National Electrical Code, wiring methods and materials, wiring protection, equipment wiring requirements, special conditions wiring requirements, and motors and controls.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELC 141</td>
<td>3</td>
</tr>
<tr>
<td>ELC 142</td>
<td>3</td>
</tr>
<tr>
<td>ELC 143</td>
<td>3</td>
</tr>
<tr>
<td>ELC 144</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

Heating Ventilation and Air Conditioning (HVAC)
Introduces student to the basics of electricity, electrical calculations, basic electrical circuits, the National Electrical Code, wiring methods and materials, wiring protection, equipment wiring requirements, special conditions wiring requirements, and motors and controls.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVC 111</td>
<td>3</td>
</tr>
<tr>
<td>HVC 112</td>
<td>3</td>
</tr>
<tr>
<td>HVC 113</td>
<td>3</td>
</tr>
<tr>
<td>HVC 114</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

Plumbing
Introduces student to the basics of plumbing, plumbing calculations, basic plumbing tools, plumbing code, plumbing methods and materials, plumbing protection, equipment plumbing requirements, special conditions plumbing requirements, and boilers and water heaters.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB 151</td>
<td>3</td>
</tr>
<tr>
<td>PLB 152</td>
<td>3</td>
</tr>
<tr>
<td>PLB 153</td>
<td>3</td>
</tr>
<tr>
<td>PLB 154</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

Welding
Introduces student to the basics of welding including the equipment used and safety procedures. The series of courses provides instruction to gain certifications in structural steel and pipe positions. Learn the difference in welds using Tig and MIG welding equipment, layout and fabrication of pipe welding, design and assembly of pipe, positioning for structural steel welds and techniques required to make quality welds in both structural steel and pipe.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLD 111</td>
<td>3</td>
</tr>
<tr>
<td>WLD 112</td>
<td>3</td>
</tr>
<tr>
<td>WLD 113</td>
<td>3</td>
</tr>
<tr>
<td>WLD 124</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

* Noncredit courses. Fee structure for the above courses are subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
Criminal Justice

A.A. Degree (Transfer) An Option of Arts & Sciences

The criminal justice option leads to a highly specialized and sophisticated profession in which education has become an important factor for placement and continued career advancement. The criminal justice student will become acquainted with the principles underlying technical skills and procedures, will acquire knowledge of the administration and operation of criminal justice organizations, and will gain insight into the psychological and sociological origins of human behavior. Upon completion of the criminal justice option, the student will be prepared to enter the job market or transfer to another institution.

Course Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>HI 201 History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>PS 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CJ 101 Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 110 Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 204 Police Operational Services</td>
<td>3</td>
</tr>
<tr>
<td>CJ 214 The Correctional Process</td>
<td>3</td>
</tr>
<tr>
<td>CJ 220 Criminal Evidence &amp; Procedure</td>
<td>3</td>
</tr>
<tr>
<td>‡ HS 102 Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>PI 104 American Government: National</td>
<td>3</td>
</tr>
<tr>
<td>SO 201 Criminology</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>CMSP 103 Speech Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>Computer Literacy Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Interdisciplinary Issues Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Multicultural Issues &amp; Perspectives (GenEd course list) or Wellness Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>‡ Electives</td>
<td>3/6</td>
</tr>
<tr>
<td>62/69</td>
<td></td>
</tr>
</tbody>
</table>

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

Corrections

Certificate (Transfer)

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.

Course Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 101 Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 110 Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 214 The Correctional Process</td>
<td>3</td>
</tr>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>PE 154 Fitness for Living</td>
<td>3</td>
</tr>
<tr>
<td>PS 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PS 104 Issues of Drug/Alcohol Use</td>
<td>3</td>
</tr>
<tr>
<td>SO 102 Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SO 201 Criminology</td>
<td>3</td>
</tr>
</tbody>
</table>

27

56
Culinary Arts And Supervision

A.A.S. Degree (Career)
Preparing students to assume positions as trained culinary professionals in a variety of food service settings including full-service restaurants, hotels, resorts, country clubs, catering, contract food service, and health care facilities. The course offerings emphasize the professional competencies necessary to meet industry standards. Graduates should qualify for entry-level positions such as line cook, station chef, and assistant pastry chef. With experience, graduates may advance to positions such as sous chef, executive chef, or food service manager or continue on to four-year academic programs.

Course Credits

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>‡ Social Science Elective (Recommend HS 102–Human Relations)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3/3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Science Elective (Recommend BI 202–Human Ecology)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers and Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>HE 102 Nutrition in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>‡ ID 209 Ethnic Diversity</td>
<td>3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>ACCT 100 Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BU 272 Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>HOS 110 Introduction to Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>HOS 112 Food Preparation I</td>
<td>3</td>
</tr>
<tr>
<td>HOS 113 Food Preparation II</td>
<td>3</td>
</tr>
<tr>
<td>HOS 114 Baking</td>
<td>3</td>
</tr>
<tr>
<td>HOS 115 Garde Manger</td>
<td>3</td>
</tr>
<tr>
<td>HOS 116 International Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>HOS 121 Sanitation Certification</td>
<td>1</td>
</tr>
<tr>
<td>HOS 250 A La Carte Cooking &amp; Service</td>
<td>3</td>
</tr>
<tr>
<td>HOS/BU Elective</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103 Internship</td>
<td></td>
</tr>
<tr>
<td><strong>Course Credits</strong></td>
<td><strong>67/63</strong></td>
</tr>
</tbody>
</table>

Transfer Note:
Students graduating with an A.A.S. in Culinary Arts & Supervision who are looking for transfer opportunities may be interested in the following institutions within the University of Maryland System. For more information, contact the Counseling & Advising Office at 301.846.2471 or the program manager at 301.624.2768.

- University of Maryland Eastern Shore–B.S. Hotel & Restaurant Management

† The GenEd and Cultural Competency lists are available on pages 37–39.

Culinary Skills

Certificate (Career)
Designed to prepare students for entry-level cooking jobs in hotels, restaurants, supermarkets, country clubs, caterers, cafés 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.

Course Credits

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements</td>
<td></td>
</tr>
<tr>
<td>HOS 112 Food Preparation I</td>
<td>3</td>
</tr>
<tr>
<td>HOS 113 Food Preparation II</td>
<td>3</td>
</tr>
<tr>
<td>HOS 114 Baking</td>
<td>3</td>
</tr>
<tr>
<td>HOS 115 Garde Manger</td>
<td>3</td>
</tr>
<tr>
<td>HOS 116 International Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>HOS 121 Sanitation Certification</td>
<td>1</td>
</tr>
<tr>
<td>HOS 250 A La Carte Cooking &amp; Service</td>
<td>3</td>
</tr>
<tr>
<td>HOS/BU Elective</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103 Internship</td>
<td></td>
</tr>
<tr>
<td><strong>Course Credits</strong></td>
<td><strong>19</strong></td>
</tr>
</tbody>
</table>

Hospitality Supervision

Certificate (Career)
Provides students with knowledge and marketable skills in the areas of supervision, communication, and basic financial control procedures and prepares them for entry-level, supervisory positions in the hospitality industry. Completion of the certificate combined with the appropriate work experience can lead to positions such as restaurant supervisor, catering service manager, hotel front office supervisor, meeting & event coordinator, food purchasing agent, and housekeeping supervisor.

Course Credits

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements</td>
<td></td>
</tr>
<tr>
<td>BU 272 Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>HOS 110 Introduction to Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>HOS 121 Sanitation Certification</td>
<td>1</td>
</tr>
<tr>
<td>HOS 123 Foodservice Purchasing and Cost Control</td>
<td>3</td>
</tr>
<tr>
<td>HOS/BU Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Course Credits</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

programs of study
Digital Media Design

A.A. Degree (Transfer): An Option of Arts & Sciences

Designed for students whose career goals are oriented toward the mass media in the fields of graphics and publication design, video production, photography, public relations and corporate communications.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
</tbody>
</table>

| English                        |         |
| EN 101 English Composition     | 3       |
| Mathematics                    |         |
| Mathematics Elective (GenEd course list) | 3/4 |
| Social & Behavioral Sciences (Electives must be from two disciplines) |         |
| ‡ Social & Behavioral Sciences Elective (GenEd course list) | 3 |
| ‡ Social & Behavioral Sciences Elective (GenEd course list) | 3 |

| Arts & Humanities              |         |
| AR 101 Fundamentals of Design or | 3       |
| AR 106 Drawing I               |         |
| ‡ AR 103 Survey of Non-Western Art or |         |
| AR 104 Survey of Art I         |         |
| AR 105 Survey of Art II        |         |
| Humanities:                    |         |
| EN 102 English Composition & Literature | 3 |
| Communications:                |         |
| CMSP 103 Speech Fundamentals   | 3       |
| CMM 101 Introduction to Electronic Media | 3 |
| CMM 111 Communication Graphics I | 3 |
| CMM 152 Television Studio Production | 4 |
| CMM 112 Communication Graphics II or | 4 |
| CMM 252 Digital Cinema         |         |
| CMM 212 Communications Graphics III or | 3/4 |
| CMM 254 Principles of Film & Video Editing | 3/4 |
| CMM 114 Web Design I or        |         |
| CMM 259 Television News Production or |         |
| CMM 256 Television Studio Directing and Operations or | 3/4 |
| CMM 261 Digital Post Production |         |
| Biological & Physical Sciences |         |
| Biological & Physical Sciences Elective (Lab course) (GenEd course list) | 4 |
| Biological & Physical Sciences Elective (GenEd course list) | 3/4 |
| Interdisciplinary & Emerging Issues |         |
| Choose from 2 categories:      |         |
| Computer Literacy Elective (GenEd course list) |         |
| ‡ Interdisciplinary Issues Elective (GenEd course list) |         |
| ‡ Multicultural Issues & Perspectives (GenEd course list) |         |
| Wellness Elective (GenEd course list) |       |
| PE/Health Elective (A Wellness course will satisfy this requirement) | 1/3 |
| Other Requirements             |         |
| INTR 102/103 Internship        | 2/3     |
| Elective                       |         |
| (AR 101, AR 106, AR 204, CMM 114, CMM 131, CMM 132, CMM 256, CMM 259, CMM 261) | 3 |
|                              | 62/70   |

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

Television Production

Certificate (Career)

Offers students interested in broadcast and non-broadcast television production an opportunity for hands-on learning experiences. An overview of the mass communications field is followed by studio and lab courses in the television studio, editing labs, the computer graphics lab and photography lab. Instructional emphasis is on designing and producing high-quality, contemporary work that effectively solves communications problems. College-level writing is expected.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements</td>
<td></td>
</tr>
<tr>
<td>CMM 101 Introduction to Electronic Media</td>
<td>3</td>
</tr>
<tr>
<td>CMM 103 Introduction to Film</td>
<td>3</td>
</tr>
<tr>
<td>CMM 111 Communications Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>CMM 132 Digital Photography I</td>
<td>3</td>
</tr>
<tr>
<td>CMM 152 Television Studio Production</td>
<td>4</td>
</tr>
<tr>
<td>CMM 252 Digital Cinema</td>
<td>4</td>
</tr>
<tr>
<td>CMM 254 Principles of Film and Video Editing</td>
<td>4</td>
</tr>
<tr>
<td>CMM 256 Television Studio Directing &amp; Operations</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>28</td>
</tr>
</tbody>
</table>

Computer Graphics Certificate

(Career)

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements</td>
<td></td>
</tr>
<tr>
<td>CMM 101 Introduction to Electronic Media</td>
<td>3</td>
</tr>
<tr>
<td>CMM 111 Communications Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>CMM 112 Communications Graphics II</td>
<td>3</td>
</tr>
<tr>
<td>CMM 114 Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>CMM 115 Professional &amp; Transfer Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>CMM 131 Darkroom Photography I or</td>
<td>3/4</td>
</tr>
<tr>
<td>CMM 132 Digital Photography</td>
<td>4</td>
</tr>
<tr>
<td>CMM 152 Television Studio Production</td>
<td>4</td>
</tr>
<tr>
<td>CMM 212 Communications Graphics III</td>
<td>3</td>
</tr>
<tr>
<td>INTR 102 Internship</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>25/26</td>
</tr>
</tbody>
</table>
### Drama

**A.A. Degree (Transfer)**

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 in arts degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
</tbody>
</table>

#### English

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>EN 102 English Composition &amp; Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
</tbody>
</table>

#### Social & Behavioral Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HI 101 History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HI 102 History of Western Civilization</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Arts & Humanities

**Arts:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 101 Fundamentals of Design</td>
<td>3</td>
</tr>
<tr>
<td>DR 101 Introduction to Theater</td>
<td>3</td>
</tr>
<tr>
<td>DR 102 Introduction to Acting</td>
<td>3</td>
</tr>
<tr>
<td>DR 121 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>DR 204 Production Survey or</td>
<td>2</td>
</tr>
<tr>
<td>DR 205 Acting Survey</td>
<td></td>
</tr>
<tr>
<td>DR 206 Advanced Acting or</td>
<td>3</td>
</tr>
<tr>
<td>DR 214 Readers’ Theater</td>
<td></td>
</tr>
</tbody>
</table>

**Drama (DR)/Communications (CMSP) Elective.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSP 103 Speech Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CMSP 105 Group Discussion</td>
<td>3</td>
</tr>
</tbody>
</table>

**Music (MU).**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU 101 Introduction to Music History &amp; Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Humanities:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Communications:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 103 English Composition &amp; Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Other Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this elective)</td>
<td>1/3</td>
</tr>
</tbody>
</table>

### Early Childhood Development

**A.A.S. Degree (Career)**

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 ED and ECD courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
</tbody>
</table>

#### English

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
</tbody>
</table>

#### Social & Behavioral Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ECD 101 Introduction to Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ECD 104 Activities I for Children</td>
<td>3</td>
</tr>
<tr>
<td>ECD 106 Infant/Toddler Development &amp; Care</td>
<td>3</td>
</tr>
<tr>
<td>ECD 108 Activities for the School Age Child</td>
<td>3</td>
</tr>
<tr>
<td>ECD 210 Directed Practicum in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103 Internship</td>
<td>3</td>
</tr>
<tr>
<td>ECD 212 Administration of Child Development Centers</td>
<td>3</td>
</tr>
<tr>
<td>ECD 213 Understanding &amp; Guiding the Young Child’s Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ECD 230 Language &amp; Literacy Development in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>ED 214 Processes &amp; Acquisitions of Reading (targeted for transfer students)</td>
<td>3</td>
</tr>
<tr>
<td>ED 100 Child Development &amp; Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ED 203 Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>ECD 110 Early Childhood Special Education</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Arts & Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASLS 102 American Sign Language I</td>
<td>3</td>
</tr>
<tr>
<td>LS 101 Introductory Spanish</td>
<td>3</td>
</tr>
<tr>
<td>CMSP 103 Speech Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CMSP 105 Group Discussion</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Biological & Physical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
</tbody>
</table>

#### Computer Literacy Elective (GenEd course list)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INF 101 Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>HE 102 Nutrition in a Changing World</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Other Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Free Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Interdisciplinary & Emerging Issues

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSP 103 Speech Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CMSP 105 Group Discussion</td>
<td>3</td>
</tr>
</tbody>
</table>

### Free Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
</tbody>
</table>

### The GenEd and Cultural Competency lists are available on pages 37–39.
Early Childhood Development

Certificate (Career)
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 ED and ECD courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECD 101 Introduction to Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ECD 104 Activities I for Children</td>
<td>3</td>
</tr>
<tr>
<td>ECD 106 Infant/Toddler Development &amp; Care</td>
<td>3</td>
</tr>
<tr>
<td>ECD 108 Activities for the School Age Child</td>
<td>3</td>
</tr>
<tr>
<td>ECD 210 Directed Practicum in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103 Internship</td>
<td>3</td>
</tr>
<tr>
<td>ECD 213 Understanding &amp; Guiding the Young Child's Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ECD 230 Language &amp; Literacy Development in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>ED 100 Child Development &amp; Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ED 101 Child Development &amp; Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ED 201 Introduction to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>ECD 110 Early Childhood Special Education</td>
<td>3</td>
</tr>
<tr>
<td>ECD 212 Administration of Child Development Centers</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>30</td>
</tr>
</tbody>
</table>

Senior Staff & Group Leader Training

Certificate (Career)
Prepares students to enter the work force in early childhood development. The certificate targets four courses that are required to meet the educational requirements for Maryland Child Care Credential and State training requirements. The certificate highlights the following positions: lead teacher of preschools; infant/toddler classrooms; and group leader (school age before/after school programs). Students must complete each course with a "C" or better to receive this certificate.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECD 104 Activities I for Children</td>
<td>3</td>
</tr>
<tr>
<td>ECD 106 Infant/Toddler Development &amp; Care</td>
<td>3</td>
</tr>
<tr>
<td>ECD 108 Activities for the School Age Child</td>
<td>3</td>
</tr>
<tr>
<td>ED 100 Child Development &amp; Behavior</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>12</td>
</tr>
</tbody>
</table>

Early Childhood Development

90 Hour Letter of Recognition in Early Childhood (Career)
Meets the educational requirements of the Department of Human Resources and Child Care Administration for the position of Senior Staff. 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECD 104 Activities I for Children</td>
<td>3</td>
</tr>
<tr>
<td>ED 100 Child Development &amp; Behavior</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>6</td>
</tr>
</tbody>
</table>

*Noncredit courses. Fee structure for the above courses are subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.

Early Childhood Development *

(Continuing Education)

Child Care
Learn to work effectively with young children by understanding the basic growth and developmental principles including social, emotional, physical and intellectual developmental stages. Discover materials and methods used to create activities for young children that advance physical, cognitive, communicative, creative and social skills. Exam the normal stage of child development, health, feeding, play, rest, abuse, as well as appropriate activities for socialization, positive guidance techniques, and skills to enhance parent/caregiver communication.

Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI113 Child Development &amp; Behavior</td>
<td></td>
</tr>
<tr>
<td>CHI114 Activities I for Children</td>
<td></td>
</tr>
<tr>
<td>CHI135 Activities for the School Age Child</td>
<td></td>
</tr>
<tr>
<td>CHI131 Administration of Child Development Centers</td>
<td></td>
</tr>
<tr>
<td>CHI136 Special Education in Early Childhood</td>
<td></td>
</tr>
<tr>
<td>CHI139 Infants &amp; Toddlers Development and Care</td>
<td></td>
</tr>
<tr>
<td>CHI140 Understanding &amp; Guiding the Young Child's Behavior</td>
<td></td>
</tr>
</tbody>
</table>

* Noncredit courses. Fee structure for the above courses are subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
Education: Associate of Arts in Teaching Early Childhood Education

A.A.T. Degree (Transfer)

The teacher education transfer program A.A.T. comprises a curriculum that provides the first two years of a four-year bachelor's degree and teacher certification. This curriculum prepares students to transfer to an Early Childhood Education program at a four-year college or university in the state of Maryland. The A.A.T. in Early Childhood Education articulates with the seven Maryland transfer programs in Early Childhood Education. The program enables students to fulfill their general education requirements, participate in field work experiences, and complete a core of professional education coursework appropriate for the first two years of teacher preparation.

Course Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>MA 207 Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MA 210 Calculus I or Calculus II</td>
<td>3/4</td>
</tr>
<tr>
<td>EN 102 English Composition &amp; Literature</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers and Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>MA 207 Elementary Statistics with Probability</td>
<td>4</td>
</tr>
<tr>
<td>CMSP 103 Speech Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MA 207 Elementary Statistics with Probability</td>
<td>3</td>
</tr>
<tr>
<td>MA 207 Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>MA 207 Wellness Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>8/9</td>
</tr>
<tr>
<td>60/63</td>
<td></td>
</tr>
</tbody>
</table>

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

A.A.T. program requirements:

To earn the A.A.T., students must achieve a minimum of a 2.75 cumulative GPA and earn a "C" or better in all courses used to satisfy the A.A.T. requirements. Students must also provide the Registrar's Office with acceptable scores on one of the following state-approved standardized tests: SAT, ACT, GRE or PRAXIS I: Pre-Professional Skills Test. 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.

‡ The GenEd and Cultural Competency lists are available on pages 37–39.
**Education: Associate of Arts in Teaching**

### Elementary

**A.A.T. Degree (Transfer)**

Designed for students preparing to complete a bachelor's degree and teacher certification in elementary education at a four-year college or university.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101 *</td>
<td>English Composition</td>
</tr>
<tr>
<td>EN 102 *</td>
<td>English Composition &amp; Literature</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>MA 105</td>
<td>Fundamental Concepts of Mathematics I</td>
</tr>
<tr>
<td>MA 106</td>
<td>Fundamental Concepts of Mathematics II</td>
</tr>
<tr>
<td>MA 207</td>
<td>Elementary Statistics with Probability</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PS 101 *</td>
<td>General Psychology</td>
</tr>
<tr>
<td>HI 102</td>
<td>History of Western Civilization or History of the United States</td>
</tr>
<tr>
<td>HI 201 *</td>
<td>History of the United States</td>
</tr>
<tr>
<td>HI 202 *</td>
<td>Cultural Geography</td>
</tr>
<tr>
<td>‡ GG 102 *</td>
<td></td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>AR 100</td>
<td>Introduction to the Creative Arts</td>
</tr>
<tr>
<td>CMSP 103 *</td>
<td>Speech Fundamentals or Group Discussion</td>
</tr>
<tr>
<td>CMSP 105</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>BI 100</td>
<td>Fundamental Concepts of Biology or</td>
</tr>
<tr>
<td>BI 101 *</td>
<td>General Biology</td>
</tr>
<tr>
<td>PC 114</td>
<td>Contemporary Physical Science</td>
</tr>
<tr>
<td>PC 115</td>
<td>Introduction to Geoscience</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>CIS 101 *</td>
<td>Introduction to Computers &amp; Information Processing</td>
</tr>
<tr>
<td>HE 204</td>
<td>Health Education</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>ED 102</td>
<td>Schools and Society</td>
</tr>
<tr>
<td>ED 202</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>ED 203</td>
<td>Foundations of Special Education</td>
</tr>
<tr>
<td>ED/PS 208</td>
<td>Human Growth and Development</td>
</tr>
<tr>
<td>ED 214</td>
<td>Processes and Acquisition of Reading</td>
</tr>
<tr>
<td></td>
<td>66</td>
</tr>
</tbody>
</table>

* Honors-level courses are available. See page 117 for information.

**A.A.T. program requirements:**

To earn the A.A.T., students must achieve a minimum of a 2.75 cumulative GPA and earn a “C” or better in all courses used to satisfy the A.A.T. requirements. Students must also provide the Registrar’s Office with acceptable scores on one of the following state-approved standardized tests: SAT, ACT, GRE or PRAXIS I: Pre-Professional Skills Test. 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.

### Mathematics

**A.A.T. Degree (Transfer)**

Designed for students preparing to complete a bachelor's degree and teacher certification in mathematics at a four-year college or university.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101</td>
<td>English Composition</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PS 101</td>
<td>General Psychology</td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (Choose from discipline other than Psychology)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>PY 203</td>
<td>Introductory Physics I</td>
</tr>
<tr>
<td>PY 204</td>
<td>Introductory Physics II</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>MA 210</td>
<td>Calculus I</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>Choose from 2 categories:</td>
<td></td>
</tr>
<tr>
<td>Computer Literacy Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>6</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>ED 102</td>
<td>School and Society</td>
</tr>
<tr>
<td>ED 202</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>PS 204</td>
<td>Psychology of Adolescence</td>
</tr>
<tr>
<td>MA 211</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MA 212</td>
<td>Calculus III</td>
</tr>
<tr>
<td>MA 218</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>‡ Elective or MA 111</td>
<td>3/4</td>
</tr>
<tr>
<td></td>
<td>66/63</td>
</tr>
</tbody>
</table>

**A.A.T. requirements:**

To earn the A.A.T., students must achieve a minimum of a 2.75 cumulative GPA and earn a “C” or better in all courses used to satisfy the A.A.T. requirements. Students must also provide the Registrar’s Office with acceptable scores on one of the following state-approved standardized tests: SAT, ACT, GRE or PRAXIS I: Pre-Professional Skills Test. 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.

**Notes:**

* The GenEd and Cultural Competency lists are available on pages 37–39.
**Education: Associate of Arts in Teaching Spanish**

**A.A.T. Degree (Transfer)**

Designed for students preparing to complete a bachelor’s degree and teacher certification in Spanish at a four-year college or university.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101  English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PS 101  General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (Choose from discipline other than Psychology)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>Choose from 2 categories:</td>
<td></td>
</tr>
<tr>
<td>Computer Literacy Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Interdisciplinary Issues Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>6</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>ED 102  Schools and Society</td>
<td>3</td>
</tr>
<tr>
<td>ED 202  Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>LS 101  Introductory Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>LS 102  Introductory Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>‡ LS 201  Intermediate Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>‡ LS 202  Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>PS 204  Psychology of Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>‡ Choose two consecutive courses in another foreign language: LF, LG, LL</td>
<td>6</td>
</tr>
</tbody>
</table>

**A.A.T. requirements:**

To earn the A.A.T., students must achieve a minimum of a 2.75 cumulative GPA and earn a “C” or better in all courses used to satisfy the A.A.T. requirements. Students must also provide the Registrar’s Office with acceptable scores on one of the following state-approved standardized tests: SAT, ACT, GRE or PRAXIS I: Pre-Professional Skills Test. 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.

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

---

**Secondary Education**

Students can complete the first two years of preparation for a broad range of secondary teaching careers. In consultation with an advisor at the college and an advisor at the transfer institution, students can complete their first two years of a four-year program in the following areas:

<table>
<thead>
<tr>
<th>Teaching Area</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>Art</td>
</tr>
<tr>
<td>Biology</td>
<td>Biology</td>
</tr>
<tr>
<td>Business Education</td>
<td>Business Administration</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Computer Science</td>
</tr>
<tr>
<td>English</td>
<td>English/Literature</td>
</tr>
<tr>
<td>Family and Consumer Studies</td>
<td>Consult advisor</td>
</tr>
<tr>
<td>Music</td>
<td>Music</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Sciences</td>
<td>Consult advisor</td>
</tr>
<tr>
<td>Social Studies</td>
<td>Consult advisor</td>
</tr>
<tr>
<td>Technology Education</td>
<td>Consult advisor</td>
</tr>
</tbody>
</table>

Future secondary teachers are advised to pass PRAXIS I and complete ED 218—Teaching Reading in the Content Area, Part I before transferring.
A.A.S. Degree (Career)
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 four FEM modules as indicated below, students will take a comprehensive exam on each module. For more information on taking FEM courses in this program, please visit the FEMA Web site: http://training.fema.gov/EMIWeb/IS7/

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101  English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (GenEd course list) (MA 206 Elementary Statistics recommended)</td>
<td>3/4</td>
</tr>
<tr>
<td>‡ Social Science (GenEd course list) (PI 104, PI 105 or HS 102 recommended)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science (GenEd course list) (CMSP 105 or CMSP 107 recommended)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Science (GenEd course list) (PC 103, PC 105, CH 100 or BI 202 recommended)</td>
<td>3/4</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>‡ GenEd Electives</td>
<td>6</td>
</tr>
<tr>
<td>Open Elective Courses not to include FEM courses (at least one credit of a Physical Education or Health course is required) recommend EN 115 Technical Writing</td>
<td>12/14</td>
</tr>
<tr>
<td>Module One: Principles of Emergency Management</td>
<td></td>
</tr>
<tr>
<td>FEM 113 Comprehensive Emergency Management</td>
<td>1</td>
</tr>
<tr>
<td>FEM 131 Principles of Emergency Management</td>
<td>1</td>
</tr>
<tr>
<td>FEM 139 Introduction to Disaster Basics</td>
<td>1</td>
</tr>
<tr>
<td>FEM 161 Emergency Operation Center (EOC)</td>
<td>1</td>
</tr>
<tr>
<td>Module Two: Leadership and Management</td>
<td></td>
</tr>
<tr>
<td>FEM 132 Introduction to Leadership and Influence</td>
<td>1</td>
</tr>
<tr>
<td>FEM 133 Decision Making and Problem Solving</td>
<td>1</td>
</tr>
<tr>
<td>FEM 134 Effective Communication</td>
<td>1</td>
</tr>
<tr>
<td>FEM 135 Developing and Managing Volunteers</td>
<td>1</td>
</tr>
<tr>
<td>Module Three: Federal Emergency Management</td>
<td></td>
</tr>
<tr>
<td>FEM 150 Incident Command System (ICS)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 151 National Incident Management System (NIMS)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 154 Introduction to Continuity of Operations Planning (COOP)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 159 National Response Framework (NRF)</td>
<td>1</td>
</tr>
<tr>
<td>Module Four: Integrated Emergency Management</td>
<td></td>
</tr>
<tr>
<td>FEM 126 Public Assistance Process</td>
<td>1</td>
</tr>
<tr>
<td>FEM 140 Emergency Planning</td>
<td>1</td>
</tr>
<tr>
<td>FEM 141 Disaster Exercise</td>
<td>1</td>
</tr>
<tr>
<td>FEM 157 Hazard Mitigation</td>
<td>1</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>Electives (Select eight credits from FEM courses not listed above)</td>
<td>8</td>
</tr>
<tr>
<td>INTR 103 Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Emergency Management and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- American Public University System's (APUS) American Military University (AMU)—B.A. Emergency and Disaster Management
- Charter Oak State College (COSC)—Public Safety Administration Concentration
- University of Maryland University College (UMUC)—B.S. Emergency Management, B.S., Homeland Security

† The GenEd and Cultural Competency lists are available on pages 37–39.

Certificate (Career)
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 four FEM modules as indicated below, students will take a comprehensive exam on each module.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101  English Composition or Communications (GenEd course list) (CMSP 107 Career Communications recommended)</td>
<td>3</td>
</tr>
<tr>
<td>Module One: Principles of Emergency Management</td>
<td></td>
</tr>
<tr>
<td>FEM 113 Comprehensive Emergency Management</td>
<td>1</td>
</tr>
<tr>
<td>FEM 131 Principles of Emergency Management</td>
<td>1</td>
</tr>
<tr>
<td>FEM 139 Introduction to Disaster Basics</td>
<td>1</td>
</tr>
<tr>
<td>FEM 161 Emergency Operation Center (EOC)</td>
<td>1</td>
</tr>
<tr>
<td>Module Two: Leadership and Management</td>
<td></td>
</tr>
<tr>
<td>FEM 132 Introduction to Leadership and Influence</td>
<td>1</td>
</tr>
<tr>
<td>FEM 133 Decision Making and Problem Solving</td>
<td>1</td>
</tr>
<tr>
<td>FEM 134 Effective Communication</td>
<td>1</td>
</tr>
<tr>
<td>FEM 135 Developing and Managing Volunteers</td>
<td>1</td>
</tr>
<tr>
<td>Module Three: Federal Emergency Management</td>
<td></td>
</tr>
<tr>
<td>FEM 150 Incident Command System (ICS)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 151 National Incident Management System (NIMS)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 154 Introduction to Continuity of Operations Planning (COOP)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 159 National Response Framework (NRF)</td>
<td>1</td>
</tr>
<tr>
<td>Module Four: Integrated Emergency Management</td>
<td></td>
</tr>
<tr>
<td>FEM 126 Public Assistance Process</td>
<td>1</td>
</tr>
<tr>
<td>FEM 140 Emergency Planning</td>
<td>1</td>
</tr>
<tr>
<td>FEM 141 Disaster Exercise</td>
<td>1</td>
</tr>
<tr>
<td>FEM 157 Hazard Mitigation</td>
<td>1</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>Electives (Select eight credits from FEM courses not listed above)</td>
<td>8</td>
</tr>
</tbody>
</table>

Animals In Disaster
Letter Of Recognition (Career)
Described to provide students with knowledge needed to prepare for a disaster that affects a large number of animals. Course includes methods of mitigating damage to livestock by proper planning.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements: Module Seven—Animals in Disaster</td>
<td></td>
</tr>
<tr>
<td>FEM 109 Introduction to Animals in Disaster</td>
<td>1</td>
</tr>
<tr>
<td>FEM 110 Animals in Disaster Planning</td>
<td>1</td>
</tr>
<tr>
<td>FEM 138 Livestock in Disasters</td>
<td>1</td>
</tr>
<tr>
<td>FEM 139 Introduction to Disaster Basics</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: After completing FEM Module Seven courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.
Disaster Construction Issues

Letter Of Recognition (Career)
Provides students with the knowledge concerning construction issues that occur prior to and during recovery from a disaster. Includes basic structural and non-structural methods.

Requirements: Module Five—Disaster Construction Issues

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEM 104  Earthquake Structural Mitigation</td>
<td>1</td>
</tr>
<tr>
<td>FEM 105  Retrofitting Flood-Prone Residential Structures</td>
<td>1</td>
</tr>
<tr>
<td>FEM 130  Introduction to Residential Coastal Construction</td>
<td>1</td>
</tr>
<tr>
<td>FEM 144  Environmental and Historic Preservation</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Note: After completing FEM Module Five courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

Emergency Leadership And Management

Letter Of Recognition (Career)
Provides students with an introduction to the field of emergency leadership and management. Emphasizes principles of management, communications, problem solving and the decision making process in an emergency setting.

Requirements: Module Two—Leadership and Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEM 132  Introduction to Leadership and Influence</td>
<td>1</td>
</tr>
<tr>
<td>FEM 133  Decision Making and Problem Solving</td>
<td>1</td>
</tr>
<tr>
<td>FEM 134  Effective Communication</td>
<td>1</td>
</tr>
<tr>
<td>FEM 135  Developing and Managing Volunteers</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Note: After completing FEM Module Two courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

Emergency Management Professional Development

Letter Of Recognition (Career)
Includes all of the FEMA Emergency Management Institutes Professional Development Series providing a well-rounded set of fundamentals for those in the emergency management profession. The courses outlined in the LOR provide students with the basic principles of emergency management.

Requirements:

+ FEM 131 Principles of Emergency Management .......................... 1
+ FEM 140 Emergency Planning ............................................. 1
+ FEM 141 Exercise Design .................................................. 1

Module Two: Leadership and Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEM 132  Introduction to Leadership and Influence</td>
<td>1</td>
</tr>
<tr>
<td>FEM 133  Decision Making and Problem Solving</td>
<td>1</td>
</tr>
<tr>
<td>FEM 134  Effective Communication</td>
<td>1</td>
</tr>
<tr>
<td>FEM 135  Developing and Managing Volunteers</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>7</td>
</tr>
</tbody>
</table>

Note: After completing FEM Module Two courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

Federal Emergency Management

Letter Of Recognition (Career)
Provides students with knowledge needed to work at the federal level of Emergency Management. Emphasizes national policy and plans aimed at coordinating the federal response to disasters.

Requirements: Module Three—Federal Emergency Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEM 150  Incident Command System (ICS)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 151  National Incident Management System (NIMS)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 154  Introduction to Continuity of Operations Planning (COOP)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 159  National Response Framework</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Note: After completing FEM Module Three courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

Incident Management For Schools

Letter Of Recognition (Career)
Provides students with an introduction to the planning and management of incidents in the school setting. Includes potential risk assessment, applications of emergency planning, the Incident Command System (ICS), and the development and testing of an Emergency Operations Plan.

Requirements: Module Eleven—Incident Management for Schools

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEM 131  Principles of Emergency Management</td>
<td>1</td>
</tr>
<tr>
<td>FEM 140  Emergency Planning</td>
<td>1</td>
</tr>
<tr>
<td>FEM 141  Disaster Exercise</td>
<td>1</td>
</tr>
<tr>
<td>FEM 150  Incident Command System (ICS)</td>
<td>1</td>
</tr>
<tr>
<td>FEM 156  Emergency Planning for Schools</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Note: After completing FEM Module Eleven courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

Integrated Emergency Management

Letter Of Recognition (Career)
Provides students with a focused knowledge building on the other functional areas integrating the skill sets needed for more advanced emergency management. Emphasizes the skills needed so emergency management teams can operate effectively during and after a disaster.

Requirements: Module Four—Integrated Emergency Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEM 126  Public Assistance Process</td>
<td>1</td>
</tr>
<tr>
<td>FEM 140  Emergency Planning</td>
<td>1</td>
</tr>
<tr>
<td>FEM 141  Disaster Exercise</td>
<td>1</td>
</tr>
<tr>
<td>FEM 157  Hazard Mitigation</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Note: After completing FEM Module Four courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

programs of study
Mitigation

Letter Of Recognition (Career)
Provides students with knowledge concerning mitigation issues that occur prior to and during recovery from a disaster. Includes basic mitigation principles and practices.

Course Credits
Requirements: Module Ten–Mitigation
FEM 104 Earthquake Structural Mitigation ......................... 1
FEM 122 Community Hurricane Preparedness ....................... 1
FEM 127 Emergency Management of Hazardous Weather ................. 1
FEM 157 Hazard Mitigation ........................................... 1

Note: After completing FEM Module Ten courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

Principles Of Emergency Management

Letter Of Recognition (Career)
Provides students with an introduction to the field of emergency management. Emphasizes principles of emergency management and stresses the importance of preparedness.

Course Credits
Requirements: Module One–Principles of Emergency Management
FEM 113 Comprehensive Emergency Management ...................... 1
FEM 131 Principles of Emergency Management .......................... 1
FEM 139 Introduction to Disaster Basics .................................. 1
FEM 161 Emergency Operation Center (EOC) ............................. 1

Note: After completing FEM Module One courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

Radiologic/Hazardous Response

Letter Of Recognition (Career)
Provides students with a focused knowledge for responding to emergencies concerning radiologic and hazardous materials. Emphasizes preparedness and the skills needed to organize and lead radiological operations.

Course Credits
Requirements: Module Six–Radiologic/Hazardous Response
FEM 102 Radiological Emergency Response ............................. 1
FEM 115 Introduction to Radiological Emergency Management ............ 1
FEM 116 Introduction to Hazardous Materials ............................ 1
FEM 146 RadiologicalEmergency Preparedness (REP) ...................... 1

Note: After completing FEM Module Six courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.

State And Local Emergency Management

Letter Of Recognition (Career)
Provides students with the knowledge about the state and local response to disaster. Emphasizes the response and coordination from the local and state perspective including community exercise and the role of the Emergency Operations Center.

Course Credits
Requirements: Module Eight–State and Local Emergency Management
FEM 103 Community Disaster Exercise ..................................... 1
FEM 119 Volunteer Agencies in Emergency Management ................. 1
FEM 128 State Disaster Management ....................................... 1
FEM 161 Emergency Operations Center (EOC) ......................... 1

Note: After completing FEM Module Eight courses indicated above, students must pass a comprehensive exam on that module. Contact the Frederick Community College emergency management program manager to arrange an exam.
Emergency Medical Services

This curriculum is currently under revision. Students must see a departmental advisor prior to registration.

A.A.S. Degree (Career)

Provides the knowledge, skills and clinical experience required to prepare the student for a career as an entry-level Emergency Medical Technician-Intermediate or Paramedic.

Course Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101</td>
<td>English Composition</td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BI 103</td>
<td>Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>BI 104</td>
<td>Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>1</td>
</tr>
<tr>
<td>EMS 200</td>
<td>Introduction to Prehospital Environment</td>
</tr>
<tr>
<td>EMS 210</td>
<td>EMS Operations</td>
</tr>
<tr>
<td>EMS 211</td>
<td>Patient Assessment &amp; Airway Management</td>
</tr>
<tr>
<td>EMS 212</td>
<td>Pharmacology</td>
</tr>
<tr>
<td>EMS 213</td>
<td>Trauma</td>
</tr>
<tr>
<td>EMS 214</td>
<td>Respiratory</td>
</tr>
<tr>
<td>EMS 215</td>
<td>Environmental</td>
</tr>
<tr>
<td>EMS 216</td>
<td>Cardiac</td>
</tr>
<tr>
<td>EMS 217</td>
<td>Metabolic</td>
</tr>
<tr>
<td>EMS 218</td>
<td>Special Considerations</td>
</tr>
<tr>
<td>EMS 219</td>
<td>Paramedical Clinical I</td>
</tr>
<tr>
<td>EMS 220</td>
<td>Paramedical Clinical II</td>
</tr>
<tr>
<td>EMS 221</td>
<td>Paramedical Clinical III</td>
</tr>
<tr>
<td>EMS 222</td>
<td>Paramedical Clinical IV</td>
</tr>
<tr>
<td>EMS 223</td>
<td>Paramedical Clinical V</td>
</tr>
<tr>
<td>EMS 224</td>
<td>Patient Care Scenarios</td>
</tr>
<tr>
<td>EMS 225</td>
<td>National Registry Exam Preparation</td>
</tr>
<tr>
<td>EMS 226</td>
<td>EMS Clinical Research Paper</td>
</tr>
</tbody>
</table>

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Transfer Note:

FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Emergency Medical and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Maryland University College—B.S. Fire Science
- University of Baltimore—B.S. Health Systems Management
- University of Baltimore at Shady Grove—B.S. Health Systems Management
- Towson University—B.T.P.S Allied Health

Engineering

A.S. Degree (Transfer) An Option of Arts & Sciences

Intended to provide the basis for transfer to a four-year college engineering course of study. Every course is not applicable to all engineering fields and different schools vary in their transfer requirements. Students entering the program who lack high school precalculus, chemistry or physics must satisfy these requirements before taking MA 210, CH 101 or PY 203. Therefore, it is imperative that each student meets periodically with an advisor to establish and/or confirm a personal direction for future study.

Course Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101</td>
<td>English Composition</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>MA 210</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MA 211</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MA 212</td>
<td>Calculus III</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>CMSP Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td>4</td>
</tr>
<tr>
<td>CH 101</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>CH 102</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>PY 203</td>
<td>Introductory Physics I</td>
</tr>
<tr>
<td>PY 204</td>
<td>Introductory Physics II</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>EG 110</td>
<td>Engineering Statics</td>
</tr>
<tr>
<td>Choose 2 of the courses listed below:</td>
<td></td>
</tr>
<tr>
<td>EG 210</td>
<td>Mechanics of Materials (3)</td>
</tr>
<tr>
<td>EG 211</td>
<td>Engineering Dynamics (3)</td>
</tr>
<tr>
<td>EG 214</td>
<td>Engineering Thermodynamics (3)</td>
</tr>
<tr>
<td>PY 205</td>
<td>Modern Physics (4)</td>
</tr>
<tr>
<td>MA 213</td>
<td>Differential Equations (3)</td>
</tr>
</tbody>
</table>

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Note: PY 205 required for transfer program to UMCP.

† The GenEd and Cultural Competency lists are available on pages 37–39.
### English/Literature

**A.A. Degree (Transfer)**
Offered as a solid preparation for myriad career fields in the liberal arts. It also provides an excellent preparation for the competitive admission to such professional schools as law and medicine.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list) (Other than PS)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Arts &amp; Humanities</strong></td>
<td></td>
</tr>
<tr>
<td>AR 104 Survey of Art I or AR 105 Survey of Art II</td>
<td></td>
</tr>
<tr>
<td>MU 101 Introduction to Music History &amp; Appreciation or DR 101 Introduction to Theater</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities</strong></td>
<td></td>
</tr>
<tr>
<td>PH 101 Introduction to Philosophy or</td>
<td></td>
</tr>
<tr>
<td>PH 205 Ethics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>(12 credits from the following 6 courses)</td>
</tr>
<tr>
<td>EN 202 British Literature</td>
<td></td>
</tr>
<tr>
<td>EN 203 American Literature</td>
<td></td>
</tr>
<tr>
<td>EN 204 American Literature</td>
<td></td>
</tr>
<tr>
<td>EN 205 World Literature</td>
<td></td>
</tr>
<tr>
<td>EN 206 World Literature</td>
<td>12</td>
</tr>
<tr>
<td>EN 115 Technical Writing or</td>
<td></td>
</tr>
<tr>
<td>EN 210 Creative Writing or</td>
<td></td>
</tr>
<tr>
<td>EN 211 Creative Writing or</td>
<td></td>
</tr>
<tr>
<td>EN 212 Journalism or</td>
<td></td>
</tr>
<tr>
<td>EN 217 Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td><strong>Communications</strong></td>
<td></td>
</tr>
<tr>
<td>CMSP 103 Speech Fundamentals or</td>
<td></td>
</tr>
<tr>
<td>CMSP 105 Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td><strong>Biological &amp; Physical Sciences</strong></td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td><strong>Interdisciplinary &amp; Emerging Issues</strong></td>
<td></td>
</tr>
<tr>
<td>Choose from 2 categories:</td>
<td></td>
</tr>
<tr>
<td>Computer Literacy Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>6</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td><strong>Other Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td>68</td>
</tr>
</tbody>
</table>

Students are able to meet all course requirements for this degree from the college's selection of online courses.

**† Cultural Competence**
All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.

### General Studies

**A.A. Degree (Transfer)**
Designed to provide students with a broad educational experience and an opportunity to explore academic and occupational interests. It allows maximum flexibility in choice of courses to help students achieve their educational goals. Students who are exploring various academic and career options or who are undecided about their educational goals should begin their educational experience with this program. All students who select this program should consult an academic advisor for transfer information and/or career guidance.

Courses may be taken in any sequence as long as course prerequisites are met. However, it is suggested that all students in the general studies program complete English 101 and their mathematics requirement as early as possible in their educational experience.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>6</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td><strong>Other Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>26/27</td>
</tr>
</tbody>
</table>

Students are able to meet all course requirements for this degree from the college's selection of online courses.

**† The GenEd and Cultural Competency lists are available on pages 37–39.**
General Studies: Emergency Services/Fire Science Option

A.A. Degree (Transfer)

Designed for individuals who work in fire/emergency services who want to prepare for advancement in the various service areas.

The program consists of core requirements leading to an A.A. degree in one of the following areas of concentration: Technology, Life Safety, or Management. All general education courses require a grade of “C” or better.

Visit www.mfri.org for a list of dates and times of MFRI courses. Visit www.usa.fema.gov/fire-science/training for a list of dates and times of NFA courses.

Course Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list) (MA 111 or MA 201 recommended)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
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<tr>
<td>Arts &amp; Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
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<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)</td>
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<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>6</td>
</tr>
<tr>
<td>Computer Literacy Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
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<tr>
<td>Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td>3</td>
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<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td>GIS 101 Introduction to Geographic Information Systems with ArcGIS</td>
<td>3</td>
</tr>
<tr>
<td>Concentration requirements: Choose twenty-three (23) total credits from the following American Council on Education (ACE) recommended credit listed classes. Courses provided through the Maryland Fire &amp; Rescue Institute (MFRI) or National Emergency Training Center (NFA)</td>
<td>23</td>
</tr>
<tr>
<td>Total</td>
<td>61/65</td>
</tr>
</tbody>
</table>

† The GenEd and Cultural Competency lists are available on pages 37–39.

Track 1: Technology

Course Credits

<table>
<thead>
<tr>
<th>MFRI Course List</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAOTCO Aerial Apparatus Operator</td>
<td>1</td>
</tr>
<tr>
<td>BLSNFA Basic Life Support &amp; Hazardous Material Response</td>
<td>1</td>
</tr>
<tr>
<td>BCNCFNA Building Construction: Non-Combustible &amp; Fire Resistant</td>
<td>1</td>
</tr>
<tr>
<td>BLCXNFA Building Construction: Principles-Wood &amp; Ordinary Construction</td>
<td>1</td>
</tr>
<tr>
<td>EMTB Emergency Medical Technician-Basic</td>
<td>6</td>
</tr>
<tr>
<td>NERTBC Emergency Response to Terrorism: Basic Concepts</td>
<td>1</td>
</tr>
<tr>
<td>NERTIM Emergency Response to Terrorism: Incident Management</td>
<td>3</td>
</tr>
<tr>
<td>EVO Emergency Vehicle Operator</td>
<td>2</td>
</tr>
<tr>
<td>FFI Firefighter I</td>
<td>3</td>
</tr>
<tr>
<td>FFI Firefighter II</td>
<td>2</td>
</tr>
<tr>
<td>HMNNAFA Hazardous Material Incident Analysis</td>
<td>1</td>
</tr>
<tr>
<td>HMD Hazardous Material Operations</td>
<td>1</td>
</tr>
<tr>
<td>HMT Hazardous Material Technician</td>
<td>3</td>
</tr>
<tr>
<td>IC5NFA Incident Command System</td>
<td>1</td>
</tr>
<tr>
<td>ICMEMNFA Incident Command System for Emergency Medical Services</td>
<td>1</td>
</tr>
<tr>
<td>IMS Incident Management System</td>
<td>1</td>
</tr>
<tr>
<td>PO Pump Operator</td>
<td>1</td>
</tr>
<tr>
<td>RTSTA R31 Swiftwater Rescue Technician Advanced Course</td>
<td>1</td>
</tr>
<tr>
<td>RTSTI R31 Swiftwater Rescue Technician Unit I</td>
<td>1</td>
</tr>
<tr>
<td>RTCSR Rescue Technician – Confined Space Rescue</td>
<td>1</td>
</tr>
<tr>
<td>RTTRR Rescue Technician – Rope Rescue</td>
<td>1</td>
</tr>
<tr>
<td>RTRO Rescue Technician – Trench Rescue Operations</td>
<td>1</td>
</tr>
<tr>
<td>RTVVR Rescue Technician – Site Operations and Vehicle and Machinery Rescue</td>
<td>3</td>
</tr>
<tr>
<td>FMIHFB Shipboard Firefighting for Land Based Firefighters</td>
<td>3</td>
</tr>
<tr>
<td>NFA Course List</td>
<td></td>
</tr>
<tr>
<td>R246 Basic Life Support &amp; Hazardous Material Response</td>
<td>1</td>
</tr>
<tr>
<td>F150/W150 Building Construction: Non-Combustible &amp; Fire Resistant</td>
<td>1</td>
</tr>
<tr>
<td>F100/W100 Building Construction: Principles-Wood &amp; Ordinary Construction</td>
<td>1</td>
</tr>
<tr>
<td>R815 Challenges for Local Training Officers</td>
<td>2</td>
</tr>
<tr>
<td>R233 Chemistry for Emergency Response</td>
<td>3</td>
</tr>
<tr>
<td>R234/R239 Chemistry of Hazardous Materials</td>
<td>2/3/4</td>
</tr>
<tr>
<td>R239 Chemistry of Hazardous Materials: Instructor’s Program, Level 1</td>
<td>3</td>
</tr>
<tr>
<td>F611 Cooperative Leadership Issues in Wildland/Urban Interface Operations</td>
<td>1</td>
</tr>
<tr>
<td>R152 Emergency Medical Services Special Operations</td>
<td>3</td>
</tr>
<tr>
<td>H531 Emergency Response to Terrorism: Basic Concepts</td>
<td>1</td>
</tr>
<tr>
<td>R817 Emergency Response to Terrorism: Incident Management</td>
<td>3</td>
</tr>
<tr>
<td>F554 Emergency Response to Terrorism: Emergency Medical Services</td>
<td>1</td>
</tr>
<tr>
<td>R107 Emergency Response to Terrorism: Incident Management</td>
<td>3</td>
</tr>
<tr>
<td>F125 Firefighter Safety &amp; Survival: Company Officer's Responsibility</td>
<td>1</td>
</tr>
<tr>
<td>F410 Hazardous Materials Incident Analysis</td>
<td>1</td>
</tr>
<tr>
<td>R299 Hazardous Materials Operating Site Practices</td>
<td>4</td>
</tr>
<tr>
<td>R235 Hazardous Materials Tactical Considerations</td>
<td>2/3</td>
</tr>
<tr>
<td>R237 Hazardous Substance Specialist</td>
<td>3</td>
</tr>
<tr>
<td>W250 Infection Control for Emergency Response Personnel: Supervisor's Role &amp; Responsibilities</td>
<td>3</td>
</tr>
<tr>
<td>F809 Initial Response to Hazardous Materials Incidents: Basic Concepts</td>
<td>1</td>
</tr>
<tr>
<td>F808 Initial Response to Hazardous Materials Incidents: Concept Implementation</td>
<td>1</td>
</tr>
<tr>
<td>F499 National Fire Incident Reporting System Program</td>
<td>2/3</td>
</tr>
<tr>
<td>F210 Preparing for Incident Command</td>
<td>1</td>
</tr>
<tr>
<td>R36 Planning for a Hazardous Materials Incident</td>
<td>3</td>
</tr>
<tr>
<td>R22 Principles of Fire Protection: Structures &amp; Systems</td>
<td>3</td>
</tr>
<tr>
<td>R500 Use of Microcomputers for Fire Service Management</td>
<td>2</td>
</tr>
</tbody>
</table>

69 programs of study
### MFRI Course List

<table>
<thead>
<tr>
<th>Track 2: Life Safety</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFA Course List</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R31</td>
<td>Advanced Life Safety</td>
<td>2</td>
</tr>
<tr>
<td>R30</td>
<td>Anon Detection</td>
<td>2</td>
</tr>
<tr>
<td>F101</td>
<td>Fire Inspector I: Preparing Entry-Level Fire Inspectors for Preventing Fires through Code Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>F102</td>
<td>Fire Inspector II: Preparing Fire Inspectors for Preventing Fires through Code Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>F103</td>
<td>Fire Inspector III</td>
<td>3</td>
</tr>
<tr>
<td>F104</td>
<td>Instructor</td>
<td>2</td>
</tr>
<tr>
<td>R315</td>
<td>Developing Fire &amp; Life Safety Strategies</td>
<td>3</td>
</tr>
<tr>
<td>R119</td>
<td>Discovering the Road to High Risk Audiences</td>
<td>3</td>
</tr>
<tr>
<td>R203</td>
<td>Fire Arson Investigation</td>
<td>3/4</td>
</tr>
<tr>
<td>R115</td>
<td>Fire Cause Determination for Company Officers</td>
<td>2</td>
</tr>
<tr>
<td>R220/N219</td>
<td>Fire Inspection Principles</td>
<td>3</td>
</tr>
<tr>
<td>R275</td>
<td>Fire Prevention for High Risk Populations: The Elderly and Very Young</td>
<td>1</td>
</tr>
<tr>
<td>R276</td>
<td>Fire Prevention for First Responders and Small Departments</td>
<td>1</td>
</tr>
<tr>
<td>R222</td>
<td>Fire Prevention Specialist II</td>
<td>2</td>
</tr>
<tr>
<td>R223</td>
<td>Fire Risk Analysis: A Systems Approach</td>
<td>3</td>
</tr>
<tr>
<td>R205</td>
<td>Fire Service Communication</td>
<td>3</td>
</tr>
<tr>
<td>R206</td>
<td>Fire Service Planning Concepts for the 21st Century</td>
<td>2</td>
</tr>
<tr>
<td>N216/R216</td>
<td>Initial Fire Investigation</td>
<td>3</td>
</tr>
<tr>
<td>R208</td>
<td>Interview/Integration Techniques &amp; Courtroom Testimony</td>
<td>3</td>
</tr>
<tr>
<td>R113</td>
<td>Introduction to Fire Safety Education</td>
<td>3</td>
</tr>
<tr>
<td>F726</td>
<td>Marketing Fire Prevention in Your Community</td>
<td>1</td>
</tr>
<tr>
<td>F344</td>
<td>Methods of Enhancing Safety Education</td>
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<tr>
<td>R102</td>
<td>Plans Review for Inspectors</td>
<td>2/3</td>
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<tr>
<td>N826/R116/R826</td>
<td>Presenting Effective Public Education Programs</td>
<td>2</td>
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<tr>
<td>R271</td>
<td>Preventing Fire Risk Based on Socioeconomic Factors: Rural and Urban Settings</td>
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<tr>
<td>R225</td>
<td>Prevention Solutions for Small Departments and Communities</td>
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<tr>
<td>R272</td>
<td>Preventing &amp; Mitigation Advocacy for Small Department Responders</td>
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<tr>
<td>R222</td>
<td>Principles of Fire Protection: Structures &amp; Systems</td>
<td>3</td>
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<tr>
<td>R340</td>
<td>Public Fire Education Specialist</td>
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<tr>
<td>Q118</td>
<td>Self-Study Course for Community Safety Educators</td>
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<tr>
<td>R309</td>
<td>Strategic Analysis of Fire Prevention Programs</td>
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<tr>
<td>R500</td>
<td>Use of Microcomputers for Fire Service Management</td>
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### NER 4 Course List

<table>
<thead>
<tr>
<th>Track 3: Management</th>
<th>Course</th>
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<tr>
<td>BU 233</td>
<td>Human Resource Management</td>
<td>3</td>
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<tr>
<td>BU 272</td>
<td>Supervisory Management</td>
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<tr>
<td>BU 275</td>
<td>Fundamentals of Leadership</td>
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<table>
<thead>
<tr>
<th>MFRI Course List</th>
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<tr>
<td>EMTB</td>
<td>Emergency Medical Technician-Basic</td>
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<tr>
<td>NERTBC</td>
<td>Emergency Response to Terrorism: Basic Concepts</td>
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<td>NERTIM</td>
<td>Emergency Response to Terrorism: Incident Management</td>
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<tr>
<td>NERTSCSU</td>
<td>Emergency Response to Terrorism: Strategic Considerations for Company Officers</td>
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<tr>
<td>NERTCDD</td>
<td>Emergency Response to Terrorism: Tactical Considerations for Company Officers</td>
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<td>F0ITR</td>
<td>Fire Officer I</td>
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<td>F0ITR</td>
<td>Fire Officer II</td>
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<td>F0ITR</td>
<td>Fire Officer III</td>
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<td>F0ITR</td>
<td>Fire Officer IV</td>
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<td>HSONFA</td>
<td>Health &amp; Safety Officer</td>
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<tr>
<td>KSF</td>
<td>Incident Command System</td>
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<td>NSCS</td>
<td>Incident Command System for Structural Collapse Incidents</td>
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<td>KSEMS</td>
<td>Incident Command System for Emergency Medical Services</td>
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<td>IMS</td>
<td>Incident Management System</td>
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<tr>
<td>U153</td>
<td>Emergency Medical Services Administration for Volunteers</td>
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<tr>
<td>R813</td>
<td>Command &amp; Control of Fire Department Operations at Natural &amp; Man-Made Disasters</td>
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<td>R830</td>
<td>Command &amp; Control of Fire Department Operations at Multi-Alarm Incidents</td>
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<td>R831</td>
<td>Command &amp; Control of Incident Operations</td>
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<tr>
<td>F152</td>
<td>Command &amp; Control of Wildland/Urban Interface Fire Operations for Structural Chief Officers</td>
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<td>F140</td>
<td>Commanding the Initial Response</td>
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<td>F163</td>
<td>Cooperative Leadership Issues in Wildland/Urban Interface Operations</td>
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<td>R809</td>
<td>Courtroom Preparation &amp; Testimony for First Responders</td>
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<tr>
<td>U153</td>
<td>Emergency Medical Services Administration for Volunteers</td>
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<td>F500</td>
<td>Emergency Medical Services Administration: An Overview</td>
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<td>R152</td>
<td>Emergency Medical Services Operations</td>
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<td>R817</td>
<td>Emergency Response to Terrorism: Incident Management</td>
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<td>F505/W505</td>
<td>Emergency Response to Terrorism: Strategic Considerations for Company Officers</td>
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<td>FS52</td>
<td>Emergency Response to Terrorism: Tactical Considerations for Company Officers</td>
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<td>F554</td>
<td>Emergency Response to Terrorism: Emergency Medical Services</td>
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<td>Emergency Response to Terrorism: Tactical Considerations: Hazardous Materials</td>
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<td>R108</td>
<td>Evaluating Performance-Based Designs</td>
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<tr>
<td>R306</td>
<td>Executive Analysis of Fire Service Operations in Emergency Management</td>
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<tr>
<td>R123</td>
<td>Executive Development</td>
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<td>Executive Leadership</td>
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<td>R606</td>
<td>Executive Planning</td>
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<td>F518</td>
<td>Executive Skills Series: Influencing</td>
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<td>F516</td>
<td>Executive Skills Series: Leading Diverse Communities Beyond Conflict</td>
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<td>F517</td>
<td>Executive Skills Series: Managing &amp; Leading Change</td>
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<td>R801</td>
<td>Fire Command Operations</td>
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<td>R107</td>
<td>Fire Communications</td>
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<td>R333</td>
<td>Fire Service Financial Management</td>
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<td>R502</td>
<td>Fire Service Information Management</td>
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<td>R331</td>
<td>Fire Service Organizational Theory</td>
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<td>R802/N808</td>
<td>Fire Service Planning Concepts for the 21st Century</td>
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<td>F310/W310</td>
<td>Fire Service Supervision: Personal Team Effectiveness</td>
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<td>Q318</td>
<td>Fire Service Supervision: Self Study</td>
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<td>F320/W320</td>
<td>Fire Service Supervision: Team Effectiveness</td>
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<td>Firefighter Safety &amp; Survival: Company Officer's Responsibility</td>
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<td>F410</td>
<td>Hazardous Materials Incident Analysis</td>
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<td>R243/N814</td>
<td>Hazardous Materials Incident Management</td>
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<td>R235</td>
<td>Hazardous Materials Tactical Considerations</td>
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<td>W720</td>
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<td>F321</td>
<td>Incident Command System for Highrise Operations</td>
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<td>Incident Command System for Structural Collapse Incidents</td>
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<td>Incident Safety Officer</td>
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<td>Infection Control for Emergency Response Personnel: Supervisor's Role &amp; Responsibilities</td>
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<td>R332</td>
<td>Interpersonal Dynamics in Fire Service Operations</td>
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<td>Interview/Interrogation Techniques &amp; Courtroom Testimony</td>
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<td>R301</td>
<td>Leadership &amp; Incident Command/Communications Course</td>
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<td>F803</td>
<td>Leadership I: Strategies for Company Success</td>
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<td>Leadership II: Strategies for Personal Success</td>
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<td>Management of Emergency Medical Services</td>
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<td>R225</td>
<td>Management of Fire Prevention Programs</td>
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<td>F450/W450</td>
<td>Managing Company Tactical Operations: Decision Making</td>
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<td>Managing Company Tactical Operations: Preparation</td>
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<td>F604</td>
<td>Managing in a Changing Environment</td>
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<td>R101</td>
<td>Managing the Code Process</td>
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<td>R499</td>
<td>National Fire Incident Reporting System Program</td>
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<td>R331</td>
<td>Organizational Theory in Practice</td>
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<td>R236</td>
<td>Planning for a Hazardous Materials Incident</td>
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<td>Preparing for Incident Command</td>
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<td>R130</td>
<td>Strategic Management of Change</td>
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<td>F801/W801</td>
<td>Tactical Operations for Company Officers I</td>
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<td>F802/W802</td>
<td>Tactical Operations for Company Officers II</td>
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<td>F290/W290</td>
<td>Training Operations in Small Departments</td>
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<td>R342</td>
<td>Training Program Management</td>
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<td>R500</td>
<td>Use of Microcomputers for Fire Service Management</td>
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<tr>
<td>R810</td>
<td>VIP: Leadership &amp; Administration</td>
<td>2/3</td>
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<tr>
<td>R600</td>
<td>Wildland Interface Fire Protection: A National Problem With Local Solutions</td>
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</tbody>
</table>
General Studies: Therapeutic Massage Option

A.A. Degree (Transfer)
Prepares students to meet the credit requirements necessary to apply for Maryland State Certification to practice medical massage therapy. Upon completion, graduates receive an associate of arts degree from Frederick Community College. This option is offered through an articulation agreement between Synergy Therapeutic Massage Center & Training School and Frederick Community College. Frederick Community College students may complete 624 clock hours of specific massage therapy training at Synergy Healing Arts Center & Massage School and be eligible for national certification. The 624 clock hours completed at Synergy and proof of passing the National Certification Examination for Therapeutic Massage and Bodywork (NCETMB) will be accepted as the Massage Therapy Practicum* by Frederick Community College. (Synergy Therapeutic Massage Center & Training School, 13593 Monterey Lane, Blue Ridge Summit, PA 17214, 717.794.5778 or 800.286.1931)

Course Credits
Requirements
GIS 101 Introduction to Geographic Information Systems with ArcGIS .................. 3
GIS 102 Intermediate GIS Technologies with ArcGIS ........................................ 3
One of the following courses/sets of courses:
GG 101 Elements of Geography (3) or
CAD 101 Introduction to AutoCAD I (4) or
PC 109 Physical Geology (4) or
FEM 106 Emergency Operation Center Management (1) &
FEM 113 Emergency Program Manager IS-1 (1) &
FEM 159 Introduction to Incident Command System (1) &
Any other FEM course (1) ........................................ 3/4
9/10

‡ Cultural Competence
All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.

English
EN 101 English Composition ................................................................. 3

Mathematics
Mathematics Elective (GenEd course list) .................................................. 3/4

Social & Behavioral Sciences (Electives must be from two disciplines)
‡ Social & Behavioral Sciences Elective (GenEd course list) ........................ 3
‡ Social & Behavioral Sciences Elective (GenEd course list) ........................ 3

Arts & Humanities
‡ Arts Elective (GenEd course list) ............................................................. 3
‡ Humanities Elective (GenEd course list) ................................................... 3

Communications Elective (GenEd course list) ........................................... 3

Biological & Physical Sciences
BI 103 Anatomy & Physiology ............................................................... 4
BI 104 Anatomy & Physiology ............................................................... 4

Interdisciplinary & Emerging Issues
Choose from 2 categories:

Computer Literacy Elective (GenEd course list)
‡ Interdisciplinary Issues Elective (GenEd course list)
‡ Multicultural Issues & Perspectives (GenEd course list)

Wellness Elective (GenEd course list) ....................................................... 6

PE/Health Elective (A Wellness course will satisfy this requirement) ............... 1/3

Other Requirements
ED/PS 208 Human Growth & Development ............................................ 3
‡ Electives .............................................................................................. 3/6
MT 200 Massage Therapy Practicum* ...................................................... 20

MT 200 Massage Therapy Practicum* ...................................................... 20

Recommended electives for those students interested in opening their own business:
BU 100 Business Accounting (3)
BU 103 Introduction to Business (3)
BU 211 Business Law (3)

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

Geographic Information Systems Basics

Letter Of Recognition (Transfer)
Designed for individuals who need an introduction to the basics of Geographic Information Systems (GIS), including persons who may use GIS as a component (but not primary focus) of their job.

Course Credits
Requirements
GIS 101 Introduction to Geographic Information Systems with ArcGIS .......... 3
GIS 102 Intermediate GIS Technologies with ArcGIS .............................. 3
One of the following courses/sets of courses:
GG 101 Elements of Geography (3) or
CAD 101 Introduction to AutoCAD I (4) or
PC 109 Physical Geology (4) or
FEM 106 Emergency Operation Center Management (1) &
FEM 113 Emergency Program Manager IS-1 (1) &
FEM 159 Introduction to Incident Command System (1) &
Any other FEM course (1) ................................................................. 3/4
9/10
# Government & Politics

**A.A. Degree (Transfer) An Option of Arts & Sciences**

Designed primarily to prepare students to transfer to four-year institutions. Students studying government and politics can expect to find careers in government, law, business and teaching.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
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<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
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**English**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
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</tbody>
</table>

**Mathematics**

| Mathematics Elective (GenEd course list) | 3/4     |

**Social & Behavioral Sciences**

| HI 201 History of the United States      | 3       |
| PI 104 American Government: National    | 3       |
| EC 201 Principles of Economics (Macro)   | 3       |
| HI 202 History of the United States     | 3       |
| PI 105 American Government: State & Local | 3      |
| PI 206 Civil Liberties                  | 3       |

‡ SO 102 Social Problems  

**Arts & Humanities**

| Arts Elective (GenEd course list)        | 3       |
| EN 102 English Composition               | 3       |

**Biological & Physical Sciences**

| Biological & Physical Sciences Elective (Lab course) (GenEd course list) | 4       |
| Biological & Physical Sciences Elective (GenEd course list)             | 3/4     |

**Interdisciplinary & Emerging Issues**

| Choose from 2 categories:                  |         |
| Computer Literacy Elective (GenEd course list) |         |
| ‡ Interdisciplinary Issues Elective (GenEd course list)         |         |
| ‡ Multicultural Issues & Perspectives (GenEd course list)       |         |
| Wellness Elective (GenEd course list)                         | 6       |
| PE/Health Elective (A Wellness course will satisfy this requirement) | 1/3     |
| Other Requirements                                         | 9       |

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

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# History

**A.A. Degree (Transfer) An Option of Arts & Sciences**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
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</table>

**English**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
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</tbody>
</table>

**Mathematics**

| Mathematics Elective (GenEd course list) | 3/4     |

**Social & Behavioral Sciences**

| HI 101 History of Western Civilization   | 3       |
| ‡ Social & Behavioral Sciences Elective (GenEd course list) (Other than HI) | 3       |
| HI 102 History of Western Civilization  | 3       |
| HI 201 History of the United States     | 3       |
| HI 202 History of the United States     | 3       |

‡ History Elective (Any 3 courses, other than the above, with the HI prefix)  

**Arts & Humanities**

| Arts Elective (GenEd course list)        | 3       |
| EN 102 English Composition               | 3       |

**Biological & Physical Sciences**

| Biological & Physical Sciences Elective (Lab course) (GenEd course list) | 4       |
| Biological & Physical Sciences Elective (GenEd course list)             | 3/4     |

**Interdisciplinary & Emerging Issues**

| Choose from 2 categories:                  |         |
| Computer Literacy Elective (GenEd course list) |         |
| ‡ Interdisciplinary Issues Elective (GenEd course list)         |         |
| ‡ Multicultural Issues & Perspectives (GenEd course list)       |         |
| Wellness Elective (GenEd course list)                         | 6       |
| PE/Health Elective (A Wellness course will satisfy this requirement) | 1/3     |
| Other Requirements                                         | 9       |

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

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# Civil War Studies

**Certificate (Transfer)**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
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<tr>
<td>HI 201 History of the United States</td>
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</tr>
<tr>
<td>HI 212 Civil War</td>
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<tr>
<td>HI 299 History Independent Study (Civil War History)</td>
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<tr>
<td>IS 911H History Honors and</td>
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<tr>
<td>IS 912H Honors Forum</td>
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<tr>
<td>HI 217 African-American History or</td>
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<tr>
<td>HI 213 History of the South or</td>
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<tr>
<td>HI 215 Constitutional History of the United States</td>
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</tbody>
</table>

Total: 16
Honors College

Membership in the Honors College is selective, requiring high test scores and/or recommendations. Students in the Honors College gain a competitive edge in preparation for transfer to four-year colleges.

Honors courses, designated with an "H" in the schedule, have the same approved course learning outcomes and content requirements as regular courses. They 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. All honors courses stress excellence in reading, writing, and research.

Students are also encouraged to participate in co-curricular activities, conduct original research in Honors Independent Study projects under the supervision of a faculty mentor, and present their findings at the Honors Forum as well as honors conferences.

Academic recognitions include graduating from the Honors College (12 honors credits with an overall grade point average of 3.0), with honors (12 honors credits with an overall grade point average of 3.5) and with high honors (12 honors credits with an overall grade point average of 3.75). In addition, students can earn membership into Phi Theta Kappa (18 credits with an overall grade point average of 3.5) and with high honors (12 honors credits with an overall grade point average of 3.0), with honors (12 honors credits with an overall grade point average of 3.75). Upon completion of the human services option, the student will be aware of the demands of the human service field. After completing the first year of academic work, the student has the option to follow one of four academic paths: addictions, developmental problems, gerontology, or social work transfer.

Contact the Counseling & Advising Office (301.846.2471) or the Honors Coordinator (301.846.2535) for more information.

Human Services

A.A. Degree (Transfer) An Option of Arts & Sciences

Introduces the student to a broad range of social and rehabilitation services and human development concepts designed to deal with the problem of specific populations, including the elderly, children and persons with mental or physical handicaps or problems with addiction. Upon completion of the human services option, the student will be aware of the demands of the human service field. After completing the first year of academic work, the student has the option to follow one of four academic paths: addictions, developmental problems, gerontology, or social work transfer.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>† Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with † from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101  English Composition .............................................  3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list) (MA 206 recommended) 3/4</td>
<td></td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PS 101  General Psychology ...............................................  3</td>
<td></td>
</tr>
<tr>
<td>SO 101  Introduction to Sociology .......................................  3</td>
<td></td>
</tr>
<tr>
<td>ED/PS 208  Human Growth &amp; Development ................................  3</td>
<td></td>
</tr>
<tr>
<td>HS 103  Introduction to Social Work and the Human Services ............  4</td>
<td></td>
</tr>
<tr>
<td>† HS 102  Human Relations ..........................................................  3</td>
<td></td>
</tr>
<tr>
<td>† SO 102  Social Problems ..........................................................  3</td>
<td></td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>† Arts Elective (GenEd course list) .........................................  3</td>
<td></td>
</tr>
<tr>
<td>† Humanities Elective (GenEd course list) ....................................  3</td>
<td></td>
</tr>
<tr>
<td>CMSP 103  Speech Fundamentals or Group Discussion .................  3</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)* ................  4</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)* 3/4</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list) .......................................  3</td>
<td></td>
</tr>
<tr>
<td>ID 214  Introduction to Gerontology: Issues of Aging and Mature Adulthood 3</td>
<td></td>
</tr>
<tr>
<td>Other Requirements (Choose one of the following tracks) ................  15</td>
<td></td>
</tr>
<tr>
<td>62/64</td>
<td></td>
</tr>
</tbody>
</table>

| Addictions |
| Course | Credits |
| Requirements |
| PS 104  Issues of Drug/Alcohol Use .........................................  3 |
| HS 203  Introduction to Counseling & Interviewing ......................  3 |
| HS 204  Ethics & Practice Issues in Human Services ....................  1 |
| HS 205  Fundamentals of Addiction .............................................  3 |
| PS 206  Abnormal Psychology ...................................................  3 |
| INTR 102  Internship .........................................................  2 |
| 15 |

| Developmental Problems |
| Course | Credits |
| Requirements |
| ED 203  Foundations of Special Education ..................................  3 |
| HS 203  Introduction to Counseling & Interviewing ......................  3 |
| HS 204  Ethics & Practice Issues in Human Services ....................  1 |
| PS 202  Social Psychology or Psychology of Adolescence ...............  3 |
| PS 206  Abnormal Psychology ...................................................  3 |
| INTR 102  Internship .........................................................  2 |
| 15 |
### Gerontology

**Certificate (Career)**
Prepares those seeking new careers in the gerontology field and those who wish to advance in their current career by adding professional education in gerontology to their credentials.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 205</td>
<td>3</td>
</tr>
<tr>
<td>ID 224</td>
<td>3</td>
</tr>
<tr>
<td>HS 208</td>
<td>3</td>
</tr>
<tr>
<td>HS 203</td>
<td>3</td>
</tr>
<tr>
<td>PS 207</td>
<td>3</td>
</tr>
<tr>
<td>INTR 102</td>
<td>2</td>
</tr>
<tr>
<td>HS 204</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Social Work Transfer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 201</td>
<td>3</td>
</tr>
<tr>
<td>AN 101</td>
<td>3</td>
</tr>
<tr>
<td>PS 204</td>
<td>3</td>
</tr>
<tr>
<td>PS 206</td>
<td>3</td>
</tr>
<tr>
<td>Electives**</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

* It is recommended that a science course in human biology be taken for one of the science requirements: BI 107 (lab science) or BI 117 (non-lab science).

** See your advisor in order to match the elective credits to your specific transfer institution.

† The GenEd and Cultural Competency lists are available on pages 37–39.

### Addictions Counseling

**Certificate (Career)**
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 101</td>
<td>3</td>
</tr>
<tr>
<td>PS 104</td>
<td>3</td>
</tr>
<tr>
<td>ED/PS 208</td>
<td>3</td>
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<tr>
<td>HS 203</td>
<td>3</td>
</tr>
<tr>
<td>PS 206</td>
<td>3</td>
</tr>
<tr>
<td>HS 205</td>
<td>3</td>
</tr>
<tr>
<td>HS 206</td>
<td>3</td>
</tr>
<tr>
<td>HS 204</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>22</strong></td>
</tr>
</tbody>
</table>

### Gerontology

**Certificate (Career)**
Prepares those seeking new careers in the gerontology field and those who wish to advance in their current career by adding professional education in gerontology to their credentials.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 214</td>
<td>3</td>
</tr>
<tr>
<td>PS 101</td>
<td>3</td>
</tr>
<tr>
<td>HS 203</td>
<td>4</td>
</tr>
<tr>
<td>ID 224</td>
<td>3</td>
</tr>
<tr>
<td>PS 205</td>
<td>3</td>
</tr>
<tr>
<td>HS 208</td>
<td>3</td>
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<tr>
<td>HS 203</td>
<td>3</td>
</tr>
<tr>
<td>HS 202</td>
<td>3</td>
</tr>
<tr>
<td>PS 207</td>
<td>3</td>
</tr>
<tr>
<td>INTR 102</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>24</strong></td>
</tr>
</tbody>
</table>

**Letter Of Recognition (Career)**
Introduces students to the core material in the field of gerontology.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 214</td>
<td>3</td>
</tr>
<tr>
<td>ID 224</td>
<td>3</td>
</tr>
<tr>
<td>PS 205</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>
**Information Systems Management**

**A.S. Degree (Transfer)  
An Option of Computer Science**

Designed for students seeking to complete the first two years of a four-year degree program in information systems management.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>MA 206 Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MA 201 Introduction to Calculus or MA 210 Calculus I</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>EC 201 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Elective (GenEd course list) (Other than EC)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing or CIS 210 Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Issues Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>PE/Health Elective</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>ACCT 101 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 102 Principles of Accounting II or EC 202 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 201 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 202 Computer Science II or CIS 230 Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 203 Systems Analysis &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 121 Visual Basic Programming Language or CIS 202 Computer Science II or CIS 208 C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>‡ Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

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† The GenEd and Cultural Competency lists are available on pages 37–39.

---

**Information Technology Option I: Information Technology Specialist**

**A.A.S. Degree (Career)**

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 in one of the following tracks: PC/Network Support Specialist, Computer Applications Specialist, or Computer Programming/Database Specialist.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list) *</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PH 208 Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing (Required for Track 2) or CIS 106 Introduction to Object Design &amp; Programming (Required for Tracks 1 &amp; 3)</td>
<td>3</td>
</tr>
<tr>
<td>PE/Health Elective</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements (Track Requirements, choose one of the following tracks)</td>
<td>38</td>
</tr>
</tbody>
</table>

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**Track 1: PC/Network Support Specialist**

**Course**

1. **Track 1 Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 273 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 203 Systems Analysis &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 204 Computer &amp; Information Sciences Project or INTR 103 Internship</td>
<td></td>
</tr>
<tr>
<td>CIS 111M Personal Computer Operating Systems Concepts or CIS 111L Microcomputer Software Applications: Open Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210 LAN Design &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 212 Personal Computer Repair &amp; Diagnostics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 217 Computer Network Security</td>
<td>3</td>
</tr>
<tr>
<td>CIS 241 Intro to Data Communications &amp; Networking</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
</tbody>
</table>

Choose fourteen (14) credits from the following list:

- CIS 111N
- CIS 116 (B, C, D)
- CIS 121, CIS 140
- CIS 211 (A, B, E, F)
- CIS 218, CIS 225 (A, B, J), CIS 250

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**Track 2: Computer Applications Specialist**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 100 Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BU 273 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111B Microcomputer Software Applications: Database</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111E Microcomputer Software Applications: Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111M Personal Computer Operating Systems Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CIS 212 Personal Computer Repair and Diagnostics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111A Microcomputer Software Applications: Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 116D Windows</td>
<td>1</td>
</tr>
<tr>
<td>CIS 116L Software Integration</td>
<td>1</td>
</tr>
<tr>
<td>INTR 103 Internship or</td>
<td></td>
</tr>
<tr>
<td>CIS 111R Business Software</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives Choose twelve (12) credits from the following list:**
- ACCT 111, CIS 103 (A, B), CIS 106, CIS 111 (I, L, Q, R), CIS 116 (B, C, K, P, Q), CIS 121, CIS 200, CIS 210, CIS 241  
--- 12

--- 38

**Track 3: Computer Programming/Database Specialist**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 273 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 203 Systems Analysis &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 204 Computer &amp; Information Sciences Project or</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103 Internship</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111L Microcomputer Software Applications: Open Operating Systems or</td>
<td>3</td>
</tr>
<tr>
<td>CIS 111M Personal Computer Operating Systems Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CIS 201 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 230 Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 116B Internet Home Page</td>
<td>1</td>
</tr>
</tbody>
</table>

**Electives Choose nineteen (19) credits from the following list:**
- CIS 111 (B, E, N), CIS 121, CIS 140, CIS 202, CIS 206, CIS 208, CIS 217, CIS 218, CIS 225 (A, B, J), CIS 232, CIS 235, CIS 241, CIS 250, MA 202, MA 206  
--- 19

--- 38

**Transfer Note:**
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Information Technology: Option I and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Maryland University College—B.S. Computer Science

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*The GenEd and Cultural Competency lists are available on pages 37–39.*
Information Technology Certificates

(Career)

Designed for students seeking to build skills in specialty areas, upgrade current skills, or broaden their general knowledge base in information technology. All courses completed in these certificates apply directly to an A.A.S. degree in information technology.

Computer Software Specialist: Programming/Database

**Course** | **Credits**
--- | ---
CIS 106 Introduction to Object Design & Programming | 3
CIS 201 Computer Science I | 3
CIS 203 Systems Analysis & Design | 3
CIS 230 Database Management Systems | 3
CIS 116B Office Applications: Internet Home Page | 1
**Elective** | Choose one of the following programming courses:
CIS 121 Visual Basic Programming | 3
CIS 140 Introduction to Object-Oriented Programming in Java | 3
CIS 232 Database Administration | 3
CIS 235 PERL Programming | 3

**Note:** all credits in this certificate may be used to fulfill requirements for the computer programming specialist A.A.S. degree.

Help Desk Specialist: Software

**Course** | **Credits**
--- | ---
CIS 111B Microcomputer Software Applications: Database | 3
CIS 111E Microcomputer Software Applications: Spreadsheets | 3
CIS 111M Personal Computer Operating Systems Concepts | 3
CIS 200 Help Desk: Software Technician | 3
CIS 212 Personal Computer Repair and Diagnostics | 3
CIS 116 Elective | 1

**Note:** all credits in this certificate may be used to fulfill requirements for the IT Specialist Track 2 A.A.S. degree.

Help Desk Specialist: Hardware

**Course** | **Credits**
--- | ---
CIS 106 Introduction to Object Design & Programming | 3
CIS 111M Personal Computer Operating Systems Concepts | 3
CIS 200 Help Desk: Software Technician | 3
CIS 210 LAN Design and Management | 3
CIS 212 PC Repair and Diagnostics | 3
CIS 116B Office Applications: Internet Home Page | 1

**Note:** all credits in this certificate may be used to fulfill requirements for the Personal Computer/Network Support Specialist or the Microcomputer Applications Specialist degrees.

Database Administration

**Letter Of Recognition (Career)**

Prepares students who already have some computer and programming skills to operate and administer a database management system.

**Course** | **Credits**
--- | ---
CIS 230 Database Management Systems | 3
CIS 232 Database Administration | 3

**IT Service And Support Management**

**Letter Of Recognition (Career)**

Provides students with professional skills necessary to maintain an IT help desk and service area.

**Course** | **Credits**
--- | ---
CIS 200 Help Desk: Software Technician | 3
CIS 111M Personal Computer Operating Systems Concepts | 3
CIS 212 PC Repair and Diagnostics | 3

**Note:** all credits in this certificate may be used to fulfill requirements for the IT Specialist Track 2 A.A.S. degree.
**Information Technology Option II: Network Engineer**

This curriculum is currently under revision. Students must see a departmental advisor prior to registration.

**A.A.S. Degree (Career)**
Prepares students for entry-level positions in the network engineering field.

### Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Math Elective (GenEd course list) (MA 202—Introduction to Discrete Mathematics or MA 206—Elementary Statistics recommended)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td>3</td>
</tr>
<tr>
<td>PH 208 Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list) (CMSP 105—Group Discussion recommended)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td>3/4</td>
</tr>
<tr>
<td>Science Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>3</td>
</tr>
<tr>
<td>Health Elective (HE 201—Stress Management recommended)</td>
<td>3</td>
</tr>
<tr>
<td>Core Requirements</td>
<td>23</td>
</tr>
<tr>
<td>CIS 106 Introduction to Object Design and Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIS 158A Introduction to Personal Computer Hardware</td>
<td>1</td>
</tr>
<tr>
<td>CIS 158B Personal Computer Repair &amp; Troubleshooting</td>
<td>3</td>
</tr>
<tr>
<td>CIS 158C Personal Computer Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 203 Systems Analysis &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 204 Computer Information Sciences Project or Internship</td>
<td>3</td>
</tr>
<tr>
<td>Track Requirements (choose one of the following)</td>
<td>23</td>
</tr>
</tbody>
</table>

### Track Requirements (choose one of the following)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 190Cisco Networking Fundamentals: Internetworking</td>
<td>5</td>
</tr>
<tr>
<td>CIS 191Cisco Networking Router Technologies: Internetworking</td>
<td>5</td>
</tr>
<tr>
<td>CIS 192Cisco Advanced Routing and Switching Technologies: Internetworking</td>
<td>5</td>
</tr>
<tr>
<td>CIS 193Cisco Project-Based Learning: Internetworking</td>
<td>5</td>
</tr>
<tr>
<td>CIS 241Introduction to Data Communications &amp; Networking</td>
<td>3</td>
</tr>
</tbody>
</table>

### Minimum Total Credits

60/63

---

**MCSE Track**

This curriculum is currently under revision. Students must see a departmental advisor prior to registration.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 180Networking Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161AManaging &amp; Maintaining a Microsoft Windows Server 2003 Environment</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161BImplementing, Managing &amp; Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161CImplementing &amp; Supporting Microsoft Windows XP Professional</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161DImplementing &amp; Managing Microsoft Exchange Server 2003</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161EPlanning &amp; Maintaining a Microsoft Windows Server 2003 Network Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161FPlanning, Implementing, &amp; Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Host</td>
<td>1</td>
</tr>
</tbody>
</table>

### Minimum Total Credits

24

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**CISCO Track**

This curriculum is currently under revision. Students must see a departmental advisor prior to registration.

### Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 158A Introduction to Personal Computer Hardware</td>
<td>1</td>
</tr>
<tr>
<td>CIS 158B Personal Computer Repair &amp; Troubleshooting</td>
<td>3</td>
</tr>
<tr>
<td>CIS 158C Personal Computer Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161A Managing &amp; Maintaining a Microsoft Windows Server 2003 Environment</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161B Implementing, Managing, &amp; Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161C Implementing &amp; Supporting Microsoft Windows XP Professional</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161D Implementing &amp; Managing Microsoft Exchange Server</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161E Planning &amp; Maintaining a Microsoft Windows Server 2003 Network Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161F Planning, Implementing, &amp; Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Host</td>
<td>1</td>
</tr>
</tbody>
</table>

### Minimum Total Credits

28

---

**A+ Program**

This curriculum is currently under revision. Students must see a departmental advisor prior to registration.

### Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 158A Introduction to Personal Computers</td>
<td>1</td>
</tr>
<tr>
<td>CIS 158B Personal Computer Repair &amp; Troubleshooting</td>
<td>3</td>
</tr>
<tr>
<td>CIS 158C Personal Computer Operating Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

### Minimum Total Credits

7

---

**Network Engineer**

This curriculum is currently under revision. Students must see a departmental advisor prior to registration.

### Certificate (Career)

Designed for individuals seeking MCSE certification. All credits earned in this option can be applied toward the two-year A.A.S. degree in Information Technology: Option II Network Engineer MCSE Track.

### Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 190Cisco Networking Fundamentals: Internetworking</td>
<td>5</td>
</tr>
<tr>
<td>CIS 191Cisco Networking Router Technologies: Internetworking</td>
<td>5</td>
</tr>
<tr>
<td>CIS 192Cisco Advanced Routing and Switching Technologies: Internetworking</td>
<td>5</td>
</tr>
<tr>
<td>CIS 193Cisco Project-Based Learning: Internetworking</td>
<td>5</td>
</tr>
<tr>
<td>CIS 241Introduction to Data Communications &amp; Networking</td>
<td>3</td>
</tr>
</tbody>
</table>

### Minimum Total Credits

23

---

**The GenEd and Cultural Competency lists are available on pages 37–39.**
Microsoft Certified Professional

This curriculum is currently under revision. Students must see a departmental advisor prior to registration.

Letter Of Recognition (Career)

Designed for individuals seeking the Microsoft Certified Professional Certification.

Course Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 161A</td>
<td>Managing &amp; Maintaining a Microsoft Windows Server 2003 Environment</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161B</td>
<td>Implementing, Managing &amp; Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161J</td>
<td>Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts</td>
<td>1</td>
</tr>
</tbody>
</table>

7

Information Technology * (Continuing Education)

CompTIA Network +

Network+ measures the technical knowledge of networking professionals with 18–24 months experience in the IT industry. Earning the Network+ provides you with the necessary knowledge needed to configure and install the TCP/IP client. The exam covers a wide range of vendor and product neutral networking technologies, which can also function as a prerequisite for vendor-specific IT certifications. A certificate in Network+ offers you the ability to enter an entry-level Network Technician position.

Course Requirement:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 2005</td>
<td>Networking Fundamentals</td>
</tr>
</tbody>
</table>

CompTIA Security +

Security+ is the primary course you need for job responsibilities that include securing network services, network devices, and network traffic. It is also the main course needed to prepare for the CompTIA Security+ examination. This course builds on your knowledge and professional experience with computer hardware, operating systems, and networks that are necessary to implement basic security services on any type of computer network.

Prerequisites: Networking Fundamentals or equivalent knowledge and nine to twelve months experience in networking.

Course Requirement:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNS 209</td>
<td>CompTIA Security +</td>
</tr>
</tbody>
</table>

Microsoft Certified Systems Engineer (MCSE)

Earn the Microsoft Certified Systems Engineer (MCSE) certification and prove your expertise in designing and implementing the infrastructure for business solutions based on the Microsoft Windows Server platform and Windows Server System. These courses are offered online through the Microsoft Web site along with a course administrator to assist you with your learning along the way.

**Course Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 2273</td>
<td>Managing and Maintaining a MS Windows Server 2003 Environment</td>
</tr>
<tr>
<td>MC 2277</td>
<td>Implementing, Managing, and Maintaining a MS Windows Server 2003 Network Infrastructure: Network Services</td>
</tr>
<tr>
<td>MC 2278</td>
<td>Planning and Maintaining a Windows Server 2003 Network Infrastructure</td>
</tr>
<tr>
<td>MC 2279</td>
<td>Planning, Implementing, and Maintaining a MS Windows Server 2003 Active Directory Infrastructure</td>
</tr>
<tr>
<td>MC 3010</td>
<td>Designing a Windows Server 2003 Active Directory and Network Infrastructure</td>
</tr>
</tbody>
</table>

Choose one course from the two below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 3000</td>
<td>Windows Vista, Configuring</td>
</tr>
<tr>
<td>MC 3005</td>
<td>Installing, Configuring, and Administering Windows XP Professional</td>
</tr>
</tbody>
</table>

Choose one course from the two below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 3015</td>
<td>Microsoft Exchange Server 2007, Configuring</td>
</tr>
<tr>
<td>MC 2400</td>
<td>Implementing and Managing Microsoft Exchange Server 2003</td>
</tr>
</tbody>
</table>

* Noncredit courses. Fee structure for the above courses are subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
**Microsoft courses are subject to change.
### A.A. Degree (Transfer) An Option of Business Administration

**Designed to satisfy the first two years of a bachelor's degree program in international business offered by many four-year institutions. Students planning careers in government, foreign services, international marketing or with financial or business firms engaged in international trade should consider this option. Students should contact their advisor to confirm how the courses transfer to the four-year institution they are considering for transfer purposes.**

**‡ Cultural Competence**

All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101</td>
<td>English Composition</td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>EC 201</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (GenEd course list) (Other than EC)</td>
<td>3</td>
</tr>
<tr>
<td>EC 202</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td>3</td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Humanities Elective (Foreign Language, GenEd course list)</td>
<td>6</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td>3/4</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction to Computers &amp; Information Processing</td>
</tr>
<tr>
<td>‡ Interdisciplinary Issues Elective (GenEd course list) or ‡ Multicultural Issues &amp; Perspectives (GenEd course list) or Wellness Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>ACCT 101</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>ACCT 102</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>BU 103</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>BU 213</td>
<td>Principles of Finance</td>
</tr>
<tr>
<td>BU 251</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>BU 252</td>
<td>Introduction to International Finance</td>
</tr>
<tr>
<td>BU 253</td>
<td>International Business Law</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 210</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MA 211</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MA 212</td>
<td>Calculus III</td>
</tr>
<tr>
<td>MA 218</td>
<td>Linear Algebra or</td>
</tr>
<tr>
<td>MA 213</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>Mathematics Electives</td>
<td>6/8</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Electives (Electives must be from two discipline)</td>
<td></td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>PY 203</td>
<td>Introductory Physics I and</td>
</tr>
<tr>
<td>PY 204</td>
<td>Introductory Physics II or</td>
</tr>
<tr>
<td>CH 101</td>
<td>General Chemistry and</td>
</tr>
<tr>
<td>CH 102</td>
<td>General Chemistry and</td>
</tr>
<tr>
<td>CH 201</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>Choose from 2 categories:</td>
<td></td>
</tr>
<tr>
<td>‡ Interdisciplinary Issues Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>6</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>Computer/Information Sciences Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

Students interested in a mathematics major for secondary teachers should see page 62 under Education.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ The GenEd and Cultural Competency lists are available on pages 37–39.</td>
<td></td>
</tr>
</tbody>
</table>

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### A.S. Degree (Transfer) An Option of Arts & Sciences

**Provides a diversity of courses for students pursuing a course in 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.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101</td>
<td>English Composition</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>MA 210</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MA 211</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MA 212</td>
<td>Calculus III</td>
</tr>
<tr>
<td>MA 218</td>
<td>Linear Algebra or</td>
</tr>
<tr>
<td>MA 213</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>Mathematics Electives</td>
<td>6/8</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Electives (Electives must be from two discipline)</td>
<td></td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>‡ Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>PY 203</td>
<td>Introductory Physics I and</td>
</tr>
<tr>
<td>PY 204</td>
<td>Introductory Physics II or</td>
</tr>
<tr>
<td>CH 101</td>
<td>General Chemistry and</td>
</tr>
<tr>
<td>CH 102</td>
<td>General Chemistry and</td>
</tr>
<tr>
<td>CH 201</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>Choose from 2 categories:</td>
<td></td>
</tr>
<tr>
<td>‡ Interdisciplinary Issues Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list)</td>
<td>6</td>
</tr>
<tr>
<td>PE/Health Elective (A Wellness course will satisfy this requirement)</td>
<td>1/3</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>Computer/Information Sciences Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ The GenEd and Cultural Competency lists are available on pages 37–39.</td>
<td></td>
</tr>
</tbody>
</table>
Medical Assistant

Certificate (Career)
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 MDA courses. Graduates will be qualified to take the national certification examination in medical assisting offered by the National Center for Competency Testing (NCCT).

The program includes a 16-credit Medical Administrative certificate as well as letters of recognition in medical transcription and medical coding basics. The courses in these LORs prepare students for entry-level positions in medical office administration, medical coding and medical transcription. Prospective students must apply for admission to the college through the Welcome & Registration Center, 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 Assisting Program Manager.

Courses in this program can be used to meet the elective requirements of the A.A. degree in general studies.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 116D Windows</td>
<td></td>
</tr>
<tr>
<td>MDA 109 Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>MDA 112 Medical Administrative Office Applications</td>
<td>3</td>
</tr>
<tr>
<td>MDA 216 Introduction to Medical Coding</td>
<td></td>
</tr>
<tr>
<td>MDA 101 Foundations of Medical Assisting I</td>
<td>2</td>
</tr>
<tr>
<td>MDA 102 Foundations of Medical Assisting II</td>
<td>2</td>
</tr>
<tr>
<td>MDA 104 Medical Assisting Clinical I</td>
<td>1</td>
</tr>
<tr>
<td>MDA 201* Medical Assisting Laboratory Procedures</td>
<td>4</td>
</tr>
<tr>
<td>MDA 202 Medical Assisting Clinical Skills</td>
<td>4</td>
</tr>
<tr>
<td>MDA 204 Medical Assisting Clinical II</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>25</strong></td>
</tr>
</tbody>
</table>

*BI 55 Science for Allied Health is a prerequisite for MDA 201 Medical Assisting Laboratory Procedures

Medical Administrative Specialist

Certificate (Career)
Prepares students with the skills necessary for entry-level positions in the medical field as an administrative assistant.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 116D Windows</td>
<td></td>
</tr>
<tr>
<td>BU 273 Business Communications</td>
<td></td>
</tr>
<tr>
<td>MDA 109 Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>MDA 210 Medical Transcription</td>
<td></td>
</tr>
<tr>
<td>MDA 112 Medical Administrative Office Applications</td>
<td>3</td>
</tr>
<tr>
<td>MDA 216 Introduction to Medical Coding</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

Medical Coding Basics

Letter of Recognition (Career)
Prepares students seeking entry-level positions in the medical coding field with a strong background in medical terminology, coding, and software.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDA 109 Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>MDA 112 Medical Administrative Office Applications</td>
<td>3</td>
</tr>
<tr>
<td>MDA 216 Introduction to Medical Coding</td>
<td>1</td>
</tr>
<tr>
<td>CIS 116D Windows</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>

Medical Transcription Basics

Letter of Recognition (Career)
Prepares students who already have basic office skills and desire employment in the medical field as medical transcriptionists.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 103B Executive Keyboarding</td>
<td>3</td>
</tr>
<tr>
<td>MDA 109 Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>MDA 210 Medical Transcription</td>
<td>3</td>
</tr>
<tr>
<td>CIS 116D Windows</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>

Medical Billing And Coding *

Continuing Education *
Medical billing and coding is one of the fastest growing careers in the health care industry today. This combined billing and coding course offers the skills needed to solve insurance billing problems, how to manually file claims (using the CPT and ICD-9 manual), complete common insurance forms, trace delinquent claims, appeal denied claims and use generic forms to streamline billing procedures. The course covers the following areas: CPT (Introduction, Guidelines, Evaluation, and Management Specialty Fields such as Surgery, Radiology, and Laboratory), ICD-9 (Introduction and Guidelines) and basic claims process for medical Insurance and Third Party Reimbursements. Students will learn how to find the service and codes using manuals (CPT, ICD-9, and HCPCS).

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAH 429 Medical Billing and Coding</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

* Noncredit Courses. Fee structure for the above course is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
Music

A.A. Degree (Transfer) An Option of Arts & Sciences
Provides the first two years of a four-year degree program for students planning to pursue a bachelor’s degree in music performance, music education, music history or composition. It requires completion of general education courses and selected music courses. Students majoring in music should consult with the music program manager for advising and adjust course selections to meet the requirements of individual transfer institutions. Music education students must take the Praxis I examination after completing 45 hours of credit and should consult with the education coordinator.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
<tr>
<td>All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>HI 101 History of Western Civilization or HI 102 History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>‡ Social &amp; Behavioral Sciences Elective (GenEd course list) (Other than HI)</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>Arts:</td>
<td></td>
</tr>
<tr>
<td>MU 111 Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MU 112 Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MU 106 Aural &amp; Keyboard Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MU 107 Aural &amp; Keyboard Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MU 206 Aural &amp; Keyboard Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MU 207 Aural &amp; Keyboard Skills IV</td>
<td>1</td>
</tr>
<tr>
<td>MU 211 Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MU 212 Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>Applied Music (Major Instrument)</td>
<td>8</td>
</tr>
<tr>
<td>Ensemble I (MU 117 or MU 119 or MU 121)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble II (MU 118 or MU 120 or MU 122)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble III (MU 217 or MU 219 or MU 221)</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble IV (MU 218 or MU 220 or MU 222)</td>
<td>2</td>
</tr>
<tr>
<td>Applied Piano/Class Piano I (MU 173A/151)</td>
<td>1</td>
</tr>
<tr>
<td>Applied Piano/Class Piano II (MU 173A/152)</td>
<td>1</td>
</tr>
<tr>
<td>Applied Piano/Class Piano III (MU 273A/251)</td>
<td>1</td>
</tr>
<tr>
<td>Applied Piano/Class Piano IV (MU 273A/252)</td>
<td>1</td>
</tr>
<tr>
<td>Humanities:</td>
<td></td>
</tr>
<tr>
<td>‡ Humanities Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Communications</td>
<td></td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences (One lab course required)</td>
<td></td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (Lab course) (GenEd course list)</td>
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</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td></td>
</tr>
<tr>
<td>HE 204 Health Education</td>
<td>3</td>
</tr>
<tr>
<td>Computer Literacy Elective (GenEd course list) or ‡ Interdisciplinary Issues Elective (GenEd course list) or ‡ Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td>3</td>
</tr>
</tbody>
</table>

* Piano major choose secondary instrument.

‡ The GenEd and Cultural Competency lists are available on pages 37–39.
Nuclear Medicine Technology

A.A.S. Degree (Career)
Prepares students as entry level nuclear medicine technologists in a specialized area of diagnostic imaging which includes both body structure and function. Nuclear medicine technologists perform procedures to assist physicians in the diagnosis and treatment of patients. Graduates will be prepared to take the national certification exams for nuclear medicine technologists. Prerequisites to the Nuclear Medicine course sequence include BI 103, BI 104, CH 101, MA 111, MA 206, CIS 101 and PY 101. All prerequisite courses and nuclear medicine courses require a grade of “C” or better.

Course Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 103</td>
<td>4</td>
</tr>
<tr>
<td>BI 104</td>
<td>4</td>
</tr>
<tr>
<td>CH 101</td>
<td>4</td>
</tr>
<tr>
<td>PY 101</td>
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<td>EN 101</td>
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<tr>
<td>MA 111</td>
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<td>MA 206</td>
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<td>PS 101</td>
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<td>CMSP 105</td>
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<td>CIS 101</td>
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<td>Other Requirements</td>
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<td>NM 100</td>
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<td>NM 102</td>
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<td>NM 201</td>
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<tr>
<td>NM 202</td>
<td>3</td>
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<tr>
<td>NM 203</td>
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<tr>
<td>NM 204</td>
<td>4</td>
</tr>
<tr>
<td>NM 205</td>
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</tbody>
</table>

Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Nuclear Medicine Technology and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.
- University of Baltimore—B.S. Health Systems Management
- University of Baltimore at Shady Grove—B.S. Health Systems Management
Nursing

A.S. Degree (Career)
The program is approved by the Maryland Board of Nursing. 4140 Patterson Avenue, Baltimore Maryland, 21215 (410.585.1900). The program is accredited by the National League of Nursing Accrediting Commission, 61 Broadway, 33rd Floor, New York NY, 10006 (212.363.3555). 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 & Registration Center, completion of placement tests and arranging an interview with the allied health advisor. See page 12 or www.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 & Registration Center 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 in a program. Students must 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.

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, BI 55 (Preparation for Allied Health) will be required.

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

Ladder Program

Students who complete the first two semesters of the associate degree nursing program may opt to take the practical nurse certificate summer courses (PN 112, PN 113) on an elective basis. Completion of the summer courses will allow the student to take the licensing exam (NCLEX-PN) for practical nurse licensure. For an explanation of the benefits of the summer ladder option, contact the allied health advisor or the director of nursing education.

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 be awarded by the baccalaureate institution based on a valid unencumbered Maryland nursing license.

LPN To ADN

Transition courses (LPN to ADN) have been developed to allow an LPN to complete the ADN program in a shorter amount of time. The LPN must first complete all general education requirements of the ADN program.

See director of nursing education or allied health advisor for further information.
Practical Nursing

Certificate (Career)

A certificate 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 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. (See page 12 for application information.) Contact the allied health advisor for specific prerequisites for NU 101, NU 210 and NU 211.

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 to discuss options.

A grade of “C” or better must be earned in all courses in the practical nursing curriculum.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101  English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Developmental math through elementary algebra via placement testing or coursework (MA 81)</td>
<td></td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>ED/PS 208 Human Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>BI 103  Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BI 104  Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BI 120  Microbiology for Allied Health</td>
<td>4</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>NU 101  Introduction to Clinical Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NU 210  Reproductive Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NU 211  Medical-Surgical Nursing I</td>
<td>7</td>
</tr>
<tr>
<td>PN 112  Nursing Throughout Developmental Stages</td>
<td>8</td>
</tr>
<tr>
<td>PN 113  Issues in Practical Nursing</td>
<td>1</td>
</tr>
</tbody>
</table>

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Ladder Program

Graduates of the PN certificate may continue into the second year of the associate degree program once they have completed the required general education courses. Admission into the second year must occur within two years of completing the PN certificate. Graduates who do not enter the second year of the associate degree nursing program within two years of completing the PN certificate may enter the associate degree program via the LPN transition program. For more information contact the allied health advisor or the director of nursing education.

Allied Health *(Continuing Education)*

Advanced Cardiac Life Support (ACLS)

FCC’s Advanced Cardiac Life Support (ACLS) utilizes the American Heart Association’s guidelines in providing a systematic approach to dealing with a cardiopulmonary emergency or sudden death. Classes focus on myocardial infarction, respiratory arrest with a pulse, witnessed VF adult cardiac arrest, airways management and testing, mega VF, refractory VF/ pulseless electrical activity, strip recognition and testing, asystole, bradycardia, unstable tachycardia-cardioversion, and stable tachycardia.

Course Requirement
SAF 105  Advanced Cardiac Life Support (ACLS)

Recommended Course
SAF 106  Advanced Cardiac Life Support (ACLS) Refresher
SAF 145  Pediatric Advanced Life Support (PALS)

* Noncredit courses. Fee structure for the above courses is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.

Cardio-Pulmonary Resuscitation

Cardio-pulmonary resuscitation (CPR) training is so simple anyone can learn the steps to save a life. CPR has been in use since the late 1950’s and early 60’s, and health professionals still advocate that mouth-to-mouth breathing combined with chest compressions are effective at circulating blood and saving lives. Expect to learn techniques like Foreign Body Airway Obstruction relief and Basic First Aid procedures including treatments for shock, fractures, bleeding, environmental emergencies and many others.

Course Requirement
SAF 103  CPR: Healthcare Provider

Recommended Courses
SAF 131  CPR for Family and Friends
SAF 137  CPR: Healthcare Provider Renewal
SAF 134  Heartsaver AED
SAF 134  Heartsaver AED-Spanish
SAF 146  Heartsaver/First Aid (Adult)
SAF 147  Heartsaver Pediatric CPR

* Noncredit courses. Fee structure for the above courses is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
Allied Health * (Continuing Education)

EKG Technician * (Continuing Education)
A comprehensive course that covers monitoring the heart, using an EKG machine, during diagnostic and therapeutic procedures. The EKG Technician program presents essential concepts students need to master the skills of this challenging field, while preparing for the ASPT-EKG Technician exam.

Course Requirement
CAH 461  EKG Technician

* Noncredit Courses. Fee structure for the above course is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.

Medical Billing and Coding * (Continuing Education)
Medical billing and coding is one of the fastest growing careers in the health care industry today. This combined billing and coding course offers the skills needed to solve insurance billing problems, how to manually file claims (using the CPT and ICD-9 manual), complete common insurance forms, trace delinquent claims, appeal denied claims and use generic forms to streamline billing procedures. The course covers the following areas: CPT (Introduction, Guidelines, Evaluation, and Management Specialty Fields such as Surgery, Radiology, and Laboratory), ICD-9 (Introduction and Guidelines) and basic claims process for medical insurance and Third Party Reimbursements. Students will learn how to find the service and codes using manuals (CPT, ICD-9, and HCPCS).

Course Requirement
CAH 429  Medical Billing and Coding

* Noncredit Courses. Fee structure for the above course is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.

Phlebotomy Technician * (Continuing Education)
Prepares student to collect blood specimens from clients for the purpose of laboratory analysis. Become familiar with all aspects related to blood collection and develop comprehensive skills to perform venipunctures completely and safely. Classroom work includes terminology, anatomy and physiology. This course prepares you to take the American Society of Clinical Pathologist exam. The IV Technician training is a comprehensive course, which concentrates on theory and hands-on lab training in intravenous therapy. Topics to be covered include infusion methods, fluids and electrolytes, equipment and assembly, and intravenous puncture. Innovative teaching strategies will be utilized to enhance adult learning. Requirements: Evidence of a negative TB test or chest X-ray and physical exam within the last six months must be provided at the first classroom session and completion of the college's reading comprehension test with a minimum score of EN 52 on the Accuplacer or 99 on the ESL test. Students must register for both classroom and both clinical sessions.

Course Requirements
CAH 456  Phlebotomy Technician Classroom
CAH 457  Phlebotomy Technician Clinical I
CAH 458  Phlebotomy Technician Clinical II

* Noncredit courses. Fee structure for the above courses is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
## Paralegal

### A.A.S. Degree (Career)
Provides students 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>PS 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>‡ HS 102 Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CJ 110 Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Wellness Elective (GenEd course list) or PE Elective and one additional General Education Elective</td>
<td>3/4</td>
</tr>
<tr>
<td>LA 100 Introduction to Law</td>
<td>3</td>
</tr>
<tr>
<td>LA 103 Ethics for the Legal Professional</td>
<td>3</td>
</tr>
<tr>
<td>LA 104 Contracts</td>
<td>3</td>
</tr>
<tr>
<td>LA 105 Torts</td>
<td>3</td>
</tr>
<tr>
<td>LA 106 Law &amp; Technology</td>
<td>3</td>
</tr>
<tr>
<td>LA 110 Legal Research</td>
<td>3</td>
</tr>
<tr>
<td>LA 120 Legal Writing &amp; Documents</td>
<td>3</td>
</tr>
<tr>
<td>LA 210 Estates &amp; Probate (3)</td>
<td>3</td>
</tr>
<tr>
<td>LA 220 Evidence &amp; Procedure (Civil)</td>
<td>3</td>
</tr>
<tr>
<td>LA 230 Law of the Real Estate Business</td>
<td>3</td>
</tr>
<tr>
<td>LA 240 Family Law</td>
<td>3</td>
</tr>
<tr>
<td>INTR 103 Internship (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

### Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Paralegal and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Maryland University College–B.S. Criminal Justice

+ The GenEd and Cultural Competency lists are available on pages 37–39.
Philosophy

A.A. Degree (Transfer)  An Option of Arts & Sciences
Pre-professional concentration for students who plan careers in law, medicine or the ministry. It is equally appropriate for those whose careers are already established but who wish to expand their intellectual horizons and sharpen their reasoning abilities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101  English Composition</td>
<td>3</td>
</tr>
<tr>
<td>EN 102  English Composition &amp; Literature</td>
<td>3</td>
</tr>
<tr>
<td>‡ EN 205  World Literature</td>
<td>3</td>
</tr>
<tr>
<td>‡ EN 206  World Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Mathematics

- Mathematics Elective (GenEd course list) | 3/4 |

Social & Behavioral Sciences

- HI 101  History of Western Civilization | 3 |
- HI 102  History of Western Civilization | 3 |

Arts & Humanities

- Arts:
  - AR 104  Survey of Art I | 3 |

  Communications:
  - CMSP 103  Speech Fundamentals or CMSP 105  Group Discussion | 3 |

  Humanities:
  - PH 101  Introduction to Philosophy | 3 |
  - ‡ PH 204  World Religions | 3 |
  - PH 205  Introduction to Ethics | 3 |
  - PH 206  Logic | 3 |

Biological & Physical Sciences

- Biological & Physical Sciences Elective (Lab course) (GenEd course list) | 4 |
- Biological & Physical Sciences Elective (GenEd course list) | 3/4 |

Interdisciplinary & Emerging Issues

Choose from 2 categories:

- Computer Literacy Elective (GenEd course list) |
- ‡ Interdisciplinary Issues Elective (GenEd course list) |
- ‡ Multicultural Issues & Perspectives (GenEd course list) |
- Wellness Elective (GenEd course list) | 6 |
- PE/Health Elective (A Wellness course will satisfy this requirement) | 1/3 |

Other Requirements

- ‡ Electives | 6 |

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ The GenEd and Cultural Competency lists are available on pages 37–39.</td>
<td>61/66</td>
</tr>
</tbody>
</table>
Physical Education

A.A. Degree (Transfer)  An Option of Arts & Sciences

Provides students with the first two years of course requirements leading to a bachelor’s degree in physical education. It requires completion of general education courses and selected PE/health courses. High school preparation for this option should include algebra, biology, and chemistry.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡ Cultural Competence</td>
<td></td>
</tr>
</tbody>
</table>

All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
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<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PS 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HI 101 History of Western Civilization or</td>
<td></td>
</tr>
<tr>
<td>HI 201 History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>ED/PS 208 Human Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>ED 202 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>‡ Arts Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>PH 101 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>‡ PH 204 World Religions</td>
<td>3</td>
</tr>
<tr>
<td>CMSF 103 Speech Fundamentals</td>
<td>3</td>
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<tr>
<td>Biological &amp; Physical Sciences</td>
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<tr>
<td>BI 100 Fundamental Concepts of Biology</td>
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</tr>
<tr>
<td>BI 103 Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BI 104 Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>CH 101 General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Interdisciplinary &amp; Emerging Issues</td>
<td>3</td>
</tr>
<tr>
<td>HE 204 Health Education</td>
<td></td>
</tr>
<tr>
<td>Computer Literacy Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Interdisciplinary Issues Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>‡ Multicultural Issues &amp; Perspectives (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>PE/Health</td>
<td></td>
</tr>
<tr>
<td>PE 153 Introduction to Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>PE 161 Psychology of Sport</td>
<td>3</td>
</tr>
<tr>
<td>PE 154 Fitness for Living</td>
<td>3</td>
</tr>
<tr>
<td>HE 102 Nutrition in a Changing World</td>
<td></td>
</tr>
<tr>
<td>PE Methods Electives: Select 4 from the following:</td>
<td>65/66</td>
</tr>
<tr>
<td>PE 241 Fitness &amp; Conditioning (1)</td>
<td></td>
</tr>
<tr>
<td>PE 242 Aerobics (1)</td>
<td></td>
</tr>
<tr>
<td>PE 247 Weight Training (1)</td>
<td></td>
</tr>
<tr>
<td>PE 240 Golf (1)</td>
<td></td>
</tr>
<tr>
<td>PE 246 Elementary Fencing (1)</td>
<td></td>
</tr>
</tbody>
</table>

† The GenEd and Cultural Competency lists are available on pages 37–39.

Physical Therapist Assistant

This program is currently being revised. Please see Counseling for more information.

A.A.S. Degree (Career)
Mid-Maryland Allied Healthcare Education Consortium
Carroll Community College Degree

The physical therapist assistant is a dynamic healthcare professional working under the supervision of a physical therapist. The PTA can work with children, athletes, older adults, or in a setting that provides a variety of experiences.

The physical therapist assistant works according to the scope of practice defined by the licensing board in the state in which they practice. In all settings, the physical therapist assistant participates in programs and procedures to maximize each person’s potential. PTAs spend most of their time one-on-one with their patients and their families working to achieve maximum independence. The physical therapist assistant utilizes a wide variety of techniques to address their patient’s needs and achieve their patient’s goals.

Admission to the program is required before taking PTA courses. Contact the program director, Sharon Main, 410.386.8259 or smain@carrollcc.edu to receive a current PTA brochure for the program admission requirements. 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 Carroll Community College to complete the physical therapist assistant courses. Students participating in consortium programs pay in-county rates at the institutions to which they matriculate.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mathematics Elective (GenEd course list)</td>
<td></td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PS 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PS 206 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>EN 102 English Composition &amp; Literature</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences</td>
<td></td>
</tr>
<tr>
<td>BI 103 Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BI 104 Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>Other Requirements</td>
<td></td>
</tr>
<tr>
<td>CIS 101 Introduction to Computers &amp; Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>(or complete/pass the Carroll CC Computer Literacy test)</td>
<td></td>
</tr>
<tr>
<td>Physical Therapist Assistant courses offered at Carroll Community College</td>
<td></td>
</tr>
<tr>
<td>PTA 101 The Role of the Physical Therapist Assistant</td>
<td>3</td>
</tr>
<tr>
<td>PTA 111 Clinical Science 1</td>
<td>6</td>
</tr>
<tr>
<td>PTA 121 Neuroanatomy and Neurophysiology</td>
<td>3</td>
</tr>
<tr>
<td>PTA 212 Clinical Science 2</td>
<td>6</td>
</tr>
<tr>
<td>PTA 213 Treating Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>PTA 221 Pain and Pathology</td>
<td>3</td>
</tr>
<tr>
<td>PTA 222 Overview of Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>PTA 241 Clinical Arts 1</td>
<td>4</td>
</tr>
<tr>
<td>PTA 242 Clinical Arts 2</td>
<td>4</td>
</tr>
<tr>
<td>PTA 243 Clinical Arts 3</td>
<td>4</td>
</tr>
</tbody>
</table>
Police Science

A.A.S. Degree (Career)
Prepares graduates to function as an entry-level police officer with local law enforcement agencies. The curriculum is a partnership between Frederick Community College, the Frederick County Sheriff’s Office, the Maryland State Police, and the Frederick City Police Department, and is designated specifically for recruits employed by these agencies. Police recruits will complete 22/23 credits required of general education and 38 credits of police science courses in the Police Academy Program run by local law enforcement agencies in accordance with the Maryland Police Training Commission (MPTC).

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Police Science and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.
- American Public University System's (APUS) American Military University (AMU) — B.A. Criminal Justice
- University of Maryland University College — B.S. Criminal Justice, B.S. Homeland Security

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

Pre-Nursing

A.S. Degree (Transfer) An Option of Arts & Sciences
Designed for students seeking the bachelor of science degree in nursing. Students pursue a curriculum in general education with subjects that are supportive of nursing. Students are advised to check the requirements of the institution to which they will transfer.

‡ Cultural Competence
All degree-seeking students must complete a Cultural Competency course in order to graduate. This course may satisfy another requirement in your program. Choose at least one course designated with ‡ from the GenEd list to satisfy at least one of the degree requirements below.

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English EN 101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Arts &amp; Humanities CMSP 103 Speech Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Science Biological &amp; Physical Sciences Elective (lab course) (GenEd course list)</td>
<td>4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences Social &amp; Behavioral Sciences Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Other Requirements Elective (GenEd course list)</td>
<td>3</td>
</tr>
<tr>
<td>Cl 101 Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>Cl 106 Police-Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>Cl 110 Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>Cl 204 Police Operational Services</td>
<td>3</td>
</tr>
<tr>
<td>Cl 212 Criminalistics</td>
<td>4</td>
</tr>
<tr>
<td>Cl 220 Criminal Evidence and Procedure</td>
<td>3</td>
</tr>
<tr>
<td>Cl 221 Police Defense Tactics</td>
<td>5</td>
</tr>
<tr>
<td>Cl 222 Police Arsenal and Procedures</td>
<td>5</td>
</tr>
<tr>
<td>Cl 223 Emergency Vehicle Operations Course (EVOC)</td>
<td>3</td>
</tr>
<tr>
<td>Cl 224 Awareness Training for Weapons of Mass Destruction</td>
<td>3</td>
</tr>
<tr>
<td>So 201 Criminology</td>
<td>3</td>
</tr>
</tbody>
</table>

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* Offered through the Recruit Police Academy Program

Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Police Science and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.
- American Public University System’s (APUS) American Military University (AMU) — B.A. Criminal Justice
- University of Maryland University College — B.S. Criminal Justice, B.S. Homeland Security

‡ The GenEd and Cultural Competency lists are available on pages 37–39.

Certified Nursing Assistant *(Continuing Education)*
This course qualifies participants to apply for CNA status with the Maryland Board of Nursing, and prepares those wishing to be employed as Geriatric Nursing Assistants for the GNA licensing examination. Classroom, nursing laboratory and supervised clinical experience are provided. Successful completion of this course is required of anyone wishing to be employed in any setting as a nursing assistant in Maryland.

Course Requirement
- CAH 132 Certified Nursing Assistant Part I: Theoretical Application
- CAH 133 Certified Nursing Assistant Part II: Theoretical Application
- CAH 114 Clinical Practicum

Students must successfully complete assessment testing at the Testing Center prior to registration.

* Noncredit Courses. Fee structure for the above courses is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
The GenEd and Cultural Competency lists are available on pages 37–39.

English

EN 101  English Composition .................................................. 3

Mathematics

MA 206  Elementary Statistics ............................................... 3

Social & Behavioral Sciences

PS 101  General Psychology ................................................... 3
SO 101  Introduction to Sociology ........................................... 3
ED/PS 208  Human Growth & Development .................................. 3
PS 202  Social Psychology ...................................................... 3
PS 206  Abnormal Psychology .................................................. 3
PS 204  Psychology of Adolescence or
PS 205  Psychology of Aging or
PS 207  Death and Dying ....................................................... 3
SO 201  Criminology or
SO 202  Marriage and Family .................................................. 3

Arts & Humanities

Arts Elective (GenEd course list) ............................................... 3
EN 102  English Composition & Literature ................................. 3
CMS 103  Speech Fundamentals or
CMS 105  Group Discussion ................................................... 3

Biological & Physical Sciences (One lab course required)

Biological & Physical Sciences Elective (Lab course) (GenEd course list) .......... 4

Biological & Physical Sciences Elective (GenEd course list) .......................... 3/4

Interdisciplinary & Emerging Issues

Wellness Elective (GenEd course list) ......................................... 3
Computer Literacy Elective (GenEd course list) .................................. 3

Other Requirements

Electives .................................................................................... 11

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPD 324</td>
<td></td>
</tr>
<tr>
<td>TRD 200</td>
<td></td>
</tr>
</tbody>
</table>

* The GenEd and Cultural Competency lists are available on pages 37–39.
# Respiratory Care

## A.A.S. Degree (Career)
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 train students to solve complex problems in the clinical setting. Students receive specialized training 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 will be eligible to sit for the National Registry Examination administered by the National Board for Respiratory Care (N.B.R.C.).

The Respiratory Care Program is accredited by the Committee on Accreditation for Respiratory Care (C.O.A.R.C.) in cooperation with the Commission on Accreditation of Allied Health Education Programs (C.A.A.H.E.P.) and the Council on Higher Education Accreditation (C.H.E.A.).

### Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Respiratory Care and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Baltimore—B.S. Health Systems Management
- University of Baltimore at Shady Grove—B.S. Health Systems Management
- Towson University—B.T.P.S Allied Health

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## Sociology

### A.A. Degree (Transfer) An Option of Arts & Sciences
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.

#### + Cultural Competence
All degree-seeking students must complete a Cultural Competency course in order to graduate. The specific Cultural Competency course requirement for this degree is being reviewed. Please contact the program manager or counseling for details.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English EN 101</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Mathematics Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences PS 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Humanities CMSP 105 Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>Biological &amp; Physical Sciences BI 103 Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BI 104 Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BI 120 Microbiology for Allied Health</td>
<td>4</td>
</tr>
<tr>
<td>PE Elective</td>
<td>1</td>
</tr>
</tbody>
</table>

### Other Requirements

- RC 100 Introduction to Respiratory Care
- RC 102 Fundamentals of Respiratory Care
- RC 103 Pharmacology
- RC 104 Gas Exchange Physiology
- RC 105 Cardiopulmonary & Renal Anatomy & Physiology
- RC 107 Principles of Mechanical Ventilation
- RC 109 Clinical Practicum I
- RC 110 Clinical Practicum II
- RC 202 Neonatal & Pediatric Respiratory Care
- RC 203 Pulmonary Rehabilitation & Home Care
- RC 204 Cardiac Monitoring & Diagnostics
- RC 205 Professional Seminar
- RC 206 Pulmonary Diagnostics
- RC 207 Cardiopulmonary & Renal Pathophysiology
- RC 208 Clinical Practicum III
- RC 209 Clinical Practicum IV

### Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Respiratory Care and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- Towson University—B.T.P.S Allied Health

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#### The GenEd and Cultural Competency lists are available on pages 37–39.
## Surgical Technology

### A.A.S. Degree (Career)
Building on their Surgical Technology Certificate achievement, students prepare for a diversified role in the medical or business fields by completing additional coursework. CAAHEP Accreditation entitles program graduates to apply to sit for the national certifying examination in surgical technology. A grade of “C” or better in all coursework must be obtained. Enrollment is limited by the availability of clinical facilities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 101</td>
<td>English Composition</td>
</tr>
<tr>
<td>Math Elective (GenEd course list)</td>
<td>3/4</td>
</tr>
<tr>
<td>PS 101</td>
<td>General Psychology or PS 101</td>
</tr>
<tr>
<td>SO 101</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>CMSP 103</td>
<td>Speech Fundamentals or CMSP 103</td>
</tr>
<tr>
<td>CMSP 105</td>
<td>Group Discussion or CMSP 105</td>
</tr>
<tr>
<td>CMSP 107</td>
<td>Career Communications</td>
</tr>
<tr>
<td>BI 103</td>
<td>Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>BI 104</td>
<td>Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>BI 115</td>
<td>Fundamentals of Human Anatomy</td>
</tr>
<tr>
<td>PE/Health Elective</td>
<td>1/3</td>
</tr>
<tr>
<td>ST 100</td>
<td>Fundamentals of Surgical Technology I</td>
</tr>
<tr>
<td>ST 101</td>
<td>Introduction to Surgical Technology</td>
</tr>
<tr>
<td>ST 105</td>
<td>Clinical Practicum</td>
</tr>
<tr>
<td>ST 200</td>
<td>Fundamentals of Surgical Technology II</td>
</tr>
</tbody>
</table>

### Transfer Note:
FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Surgical Technology and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Baltimore—B.S. Health Systems Management
- University of Baltimore at Shady Grove—B.S. Health Systems Management
- Towson University—B.T.P.S Allied Health

### Certificate (Career)
Provides students with a foundation in the principles and practices of the surgical technologist’s role in the phases of the surgical experience. The foundations of practice are applied through extensive preceptored clinical experience. CAAHEP Accreditation entitles program graduates to apply to sit for the national certifying examination in surgical technology. A grade of “C” or better in all coursework must be obtained. Enrollment is limited by the availability of clinical facilities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 103</td>
<td>Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>BI 104</td>
<td>Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>BI 115</td>
<td>Fundamentals of Human Anatomy</td>
</tr>
<tr>
<td>CMSP 103</td>
<td>Speech Fundamentals or CMSP 103</td>
</tr>
<tr>
<td>CMSP 105</td>
<td>Group Discussion or CMSP 105</td>
</tr>
<tr>
<td>CMSP 107</td>
<td>Career Communications</td>
</tr>
<tr>
<td>ST 100</td>
<td>Fundamentals of Surgical Technology I</td>
</tr>
<tr>
<td>ST 101</td>
<td>Introduction to Surgical Technology</td>
</tr>
<tr>
<td>ST 105</td>
<td>Clinical Practicum</td>
</tr>
<tr>
<td>ST 200</td>
<td>Fundamentals of Surgical Technology II</td>
</tr>
</tbody>
</table>

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**94 programs of study**
Vocational/Technical (Continuing Education)

Autobody * (Continuing Education)
Learn the basic principles and practices of autobody painting and refinishing. You receive instruction and hands-on lab experience on spraying equipment, surface preparation, primers and sealers, colors and color mixing. You must provide your own safety goggles.

Recommended Courses
AUT 102  Autobody: Painting & Refinishing
AUT 101  Restoration Techniques

* Noncredit Courses. Fee structure for the above courses is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.

Veterinary Assistant * (Continuing Education)
If you love helping animals and want to enter the field of veterinary medicine, becoming a veterinary assistant can take you there. Veterinary assistants feed and bathe and examine animals for signs of illness, disease or injury. Assistants may also provide routine post-operative care, administer medication orally or topically and prepare samples for laboratory examination under the supervision of veterinary or laboratory animal technologists, technicians, veterinarians or scientists.

After completing FCC's four-course Veterinary Assistant training, you will receive a certificate of achievement recognized by the Maryland Board of Veterinary Medical Examiners and the Maryland Veterinary Technicians Association.

Course Requirements
VET 101  Veterinary Assistant Training I: Outpatient Care
VET 102  Veterinary Assistant Training II: Diagnostics and Pharmacy
VET 103  Veterinary Assistant Training III: Patient Care and Treatment
VET 105  Veterinary Assistant Training IV: Surgery, Anesthesia & Emergency Care

Note: VET courses must be taken in sequence.

* Noncredit Courses. Fee structure for the above courses is subject to change. Consult the current Continuing Education class schedule. Courses not eligible for financial aid.
Please note that all courses listed are not offered every semester. Check the current schedule of classes for course offerings.

Course Blackboard Requirements—Some course sections may require that the student have access to the course Blackboard Web site. Students enrolled in those courses are expected to participate through the Blackboard format using their own or appropriate college-available computers.

ACCT: Accounting

ACCT 100—Business Accounting (3)
Prerequisite: EN 51 or ESL 97
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: EN 50 and EN 51 or ESL 94 and ESL 97
Introduces the principles and procedures related to accounting theory and practice. The analysis of transactions under generally accepted accounting principles (GAAP) and their relationship to the 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 principles and procedures from ACCT 101, with emphasis on the corporate form of business organization. Students will also be introduced to managerial accounting concepts used for planning and controlling the business enterprise.

ACCT 111—Computerized Accounting (3)
Prerequisites: (CIS 101 or CIS 1160D) 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)
Prerequisite: EN 50A and EN 52 or ESL 95 and ESL 99, 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 & ACCT 101 or ACCT 101 & ACCT 102
Reviews accounting procedures, working papers and financial statements. Includes net income concepts and correction of errors, detailed analysis of generally accepted accounting principles, detailed coverage of accounting applications pertaining to present value concepts and analysis of assets from cash through intangible assets.

ACCT 202—Intermediate Accounting II (4)
Prerequisites: ACCT 100 & ACCT 101 or ACCT 101 & ACCT 102
Concentrates on corporate accounting including detailed discussion of stockholders equity items such as paid-in capital, stock rights and warrants, retained earnings, dividends, treasury stock and earnings per share. Includes income taxes, accounting changes, financial statements and analysis of financial statements, accounting for pension costs and leases and changing price levels.

ACCT 203—Managerial Cost Accounting (3)
Prerequisite: ACCT 101
Presents accounting related to the managerial functions of planning, control, information-gathering and decision-making, analysis of data on costs, prices and profits (CVP, joint costs, direct and absorption costing, standard costs, job-order and process costing); budgets (master budgets, flexible budgets); analysis of variations in performance (cost behavior, responsibility accounting, profit centers, transfer pricing); and analysis of business situations toward goal optimization (capital budgeting, tax implications, inventory planning, decision theory).

ACCT 205—Federal Income Tax Accounting (3)
Prerequisite: 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 & 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 & ACCT 101 or ACCT 101 & 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 233—Applied Accounting (3)
Prerequisites: ACCT 201 & CIS 101
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.

ASLS: American Sign Language Studies

ASLS 100—ASL Fingerspelling (2)
Prerequisites: ASLS 103 or permission of program manager
Provides an in-depth study of American Sign Language Fingerspelling. Fingerspelling is a crucial component of ASL. Focuses on developing receptive and expressive fingerspelling skills. Emphasizes whole-word and phrase recognition of fingerspelling embedded in signed sentences with clarity, accuracy, speed, and proper handshapes. Through class activities, this course covers names of people, cities, states, titles of books, movies, brand names, lexicalized fingerspelling and more.

ASLS 101—Visual Gestural Communication (3)
Train students visual acuity (receptive and expressive) and coordination of body movements. Emphasis is on mime, gestures and facial expressions. Through class activities and movement, students communicate without using the spoken voice. This class is designed to be a foundation for American Sign Language 1-3. It is recommended that ASLS 102 be taken concurrently with ASLS 101.

ASLS 102—American Sign Language I (ASL I) (3)
• GenEd Arts and Humanities/Humanities
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 103—American Sign Language II (ASL II) (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: ASLS 102
A continuation of American Sign Language I. 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.
AN: Anthropology

AN 101—Introduction to Anthropology (3)
- GenEd Social & Behavioral Sciences/Anthropology, Cultural Competence
- Prerequisite: EN S2 or ESL 99
- 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.

AN 103—Introduction to Archaeology (3)
- Prerequisite: EN S2 or ESL 99
- 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.

AR: Art

AR 100—Introduction to the Creative Arts (3)
- GenEd Arts and Humanities/Arts
- Prerequisite: EN S0A and EN S2 or ESL 95 and ESL 99
- Introduces students to the areas of visual arts, dance, music, and theater through an exploration of representative works. The study of the creative arts will enhance self-expression and a better understanding of the human experience. The course meets the Maryland State approved Associate of Arts in Teaching degree.

AR 101—Fundamentals of Design I (3)
- GenEd Arts and Humanities/Arts
- Prerequisite: AR 106
- Investigates the concepts and principles of two-dimensional visual design using black and white through a series of design exercises of increasing complexity.

AR 102—Fundamentals of Design II (3)
- GenEd Arts and Humanities/Arts
- Prerequisite: AR 106
- Builds on the design concepts of AR 101. Explores the principles of visual organization and communication using color and three-dimensional form.

AR 103—Survey of Non-Western Art (3)
- GenEd Arts and Humanities/Arts; Cultural Competence
- Prerequisites: EN S0A and EN S2 or ESL 95 and ESL 99
- An introduction to indigenous visual expressions created in Africa, Asia and the Americas, emphasizing a global perspective and illuminating the historical and artistic interaction of world cultures. Requires several trips to museums.

AR 104—Survey of Art I (3)
- GenEd Arts and Humanities/Arts
- Prerequisites: EN S0A and EN S2 or ESL 95 and ESL 99
- (AR 104–105 need not be taken in sequence) Surveys Western art and influences on Western culture as expressed through architecture, painting, sculpture and related arts. Italian Renaissance to the present. Requires several trips to museums.

AR 106—Drawing I (3)
- GenEd Arts and Humanities/Arts
- Develops skills in using different drawing mediums and approaches. Emphasizes learning how to draw still life, landscape, drapery studies and experimental problems. Includes problems of scale and collage. Students will acquire a portfolio of drawings from studio work. Students must furnish supplies.

AR 107—Drawing II (3)
- Prerequisite: AR 106
- A continuation of AR 106 with more complex drawing. Emphasizes arranging and understanding the various composition formats, picture planes and pictorial methods of expression found in drawing. Students must furnish supplies.

AR 108—Painting I (3)
- Prerequisite: AR 101 or AR 106
- 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.

AR 109—Painting II (3)
- Prerequisite: AR 108
- A studio course in analysis of solutions to problems involved in oil or acrylic painting. Develops skills in the preparation of the canvas and in the production of representational, abstract and other styles of paintings.

AR 110—Printmaking (3)
- Prerequisite: AR 106
- Investigates elementary principles and elements of printmaking. Explores relief, monotype, stencil and various composite printing processes. Includes color printing. Emphasizes creative expression through various print media. Students must furnish supplies.

AR 113—Pottery I (3)
- GenEd Arts and Humanities/Arts
- 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.

AR 114—Pottery II (3)
- Prerequisite: AR 113
- An advanced studio class in the technique of pottery making. Explores form, glaze, and decorated surfaces. Techniques learned in Pottery I are refined and advanced. 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.

AR 203—Sculpture (3)
- GenEd Arts and Humanities/Arts
- Introduces the three-dimensional processes of carving, casting and constructing sculptures. Gallery visits, discussions and critiques augment the student’s personal studio experiences.
AR 204—Illustration I (3)
Prerequisite: AR 106
Concentrates on the development of hand skills and concepts which are an important part of the technique and magic of picture making. Explores material resources and the preparation of art for reproduction such as advertising design, editorial and fiction illustration. Includes trips to professional design studios.

AR 205—Illustration II (3)
Prerequisite: AR 204
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.

AR 206—Introduction to Figure Study I (3)
Prerequisite: AR 106
Offers an intensive study in drawing and painting of the human figure, action, volume, structure and anatomy.

AR 207—Introduction to Watercolor I (3)
Instruction in transparent watercolor techniques, including wash and dry brush, ink and watercolor and expanded uses such as intermixing with turpentine and charcoal and pastel.

AR 210—Watercolor II (3)
Prerequisite: AR 207
Expands techniques developed in AR 207, emphasizing personal expression in watercolor painting. Explores the various advanced methods in watercolor painting, observing works of traditional and contemporary artists. Includes individual research required and museum visits.

AR 213—Intermediate Sculpture (3)
Prerequisite: AR 203
Explores figurative and abstract directions in clay, plaster, welded steel and/or assemblage. Emphasizes a wide range of materials and techniques and their resulting aesthetic statements.

AR 220—Printmaking II (3)
Prerequisite: AR 110
Expands monotype techniques developed in AR 110, emphasizing linoleum relief printing and handmade paper techniques. Students are encouraged to experiment and create a series of monoprints while developing a personal approach to combining these mediums.

BI 100—Fundamental Concepts of Biology (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Intended for non-science majors. Develops an understanding of living systems through the study of selected biological principles. Topics provide an understanding of biological systems as a whole.

BI 101—General Biology (4)
- GenEd Science
Prerequisites: Completion of high school biology strongly recommended. EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Intended for science majors, technology majors and pre-allied health majors. Presents a comprehensive survey of modern biology. Uses examples of all kingdoms of organisms to illustrate basic biological principles in cell and molecular biology including classical and molecular genetics and principles of systematics.

BI 102—General Biology (4)
- GenEd Science
Prerequisite: BI 101
A continuation of the comprehensive survey of modern biology with a special emphasis on comparative animal biology which includes physiological adaptations of organisms to various ecological habitats. Origin of life and evolution of organisms are also considered.

BI 103—Anatomy & Physiology I (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91 and (BI 55 or BI 101 or BI 120 or CH 101)
The first course in a two-semester sequence. 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.

BI 104—Anatomy & Physiology II (4)
- GenEd Science
Prerequisite: BI 103
The second course in a two-semester sequence. Includes the cardiovascular system, lymphatic system and immunity, respiratory system, digestive system and metabolism, urinary system, fluid/electrolyte balance, acid/base balance, and reproductive system.

BI 105—Preparation for Allied Health (0) [3]
Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97, and MA 81 or MA 90
Presents basic science concepts and science study skills. A preparatory course for students who have limited science background.

BI 106—Fundamentals of Human Anatomy (5)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 81 or MA 91
Describes the major organs and organ systems of the human body. Emphasis is placed on the body structures and their role in body functions. Examples of various medical procedures (MRI, endoscopy, radiography, etc.) are included as a means of describing organs/organ systems. Health issues are stressed as a means of understanding the function of the organs/organ systems.

BI 117—Study of the Human Body (3)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
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 related topics. Incorporates case studies, group work, and information technology. For the non-science major. Students cannot receive credit for both BI 117 and BI 107.

BI 120—Microbiology for Allied Health (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91 and (BI 55 or BI 101 or BI 120 or CH 101)
For allied health students. Covers the basic principles of cell chemistry and microbiology with respect to human physiology. Includes cell physiology, growth and metabolism of microorganisms, import groups of pathogenic microorganisms, antimicrobial agents, immunology and introductory biochemistry.

BI 130—Forensic Biology (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
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.

BI 140—Biotechnology and Society (3)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
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 lectures.
BI 201—General Ecology (4)
• General Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
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. Some Friday, Saturday or overnight field trips.

BI 202—Human Ecology (3)
• General Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
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.

BI 203—Elements of Microbiology (4)
Prerequisites: BI 101, CH 101
Introduces microbiology. Includes basic study of morphology, physiology, genetics and ecology of microorganisms, with an introduction to infectious diseases and immunology.

BI 204—Genetics (4)
Prerequisites: BI 101 and CH 101
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.

BPM: Bioprocessing

BPM 101—Introduction to Bioprocessing Technology (4)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 92
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 lectures.

BPM 102—Bioprocessing Environment (3)
Prerequisite: EN 50A and EN 52 or ESL 95 and ESL 99
Presents the tenets of Current Good Manufacturing Practices (cGMPs) and regulations relevant to the bioprocessing manufacturing industry. 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 lectures.

BPM 103—Bioprocessing Measurements (4)
Prerequisite: BPM 101
Examines methods of measurement and monitoring used in bioprocessing. Emphasizes pH, temperature, pressure and flow rates, as well as spectrophotometry, and biochemical and chemical analytical methods.

BPM 210—Upstream Bioprocessing (4)
Prerequisites: BPM 102, BPM 110
Introduces techniques involved in cell growth and fractionation. Topics include fermentation technology and application as well as cell harvesting, cell disruption, and fractionation methods.

BPM 211—Downstream Bioprocessing (4)
Prerequisite: BPM 210
Introduces techniques involved in separation procedures. Topics include extraction and precipitation, concentration and molecular filtration methods, as well as different types of chromatography.

BPM 214—Techniques in Bioproduction (4)
Prerequisites: BI 120 or BI 203, BI 110, BPM 102
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.

BLD: Building Trades

BLD 101—Introduction to Building Trades (3)
Prerequisite: EN 51 or ESL 97 or permission of program manager
Introduces general aspects of building trades, the building process, and its phases. Emphasizes health and safety issues related to the building trades. Explores blueprint and plan reading and delineates the role of building design, building site planning, and site preparation as it relates to construction. Includes use of all applicable tools and materials required in the building trades.

BLD 111—HVAC I: Basic Electricity and Controls for Heating, Ventilation, Air Conditioning, and Refrigeration (HVARC) (4)
Prerequisites: EN 51 or ESL 97 or permission of program manager and MA 90 or MA 81 or permission of program manager
Introduces electrical theories required for HVACR. Develops skills needed to use common electrical components and tools found in the HVAC industry. Demonstrates interconnection of components of heating and cooling systems and their relationships to the various repair and troubleshooting techniques. Students will be required to pass a Basic Electricity Competency exam to complete this course.

BLD 112—HVAC II: Introduction to HVAC (4)
Prerequisite: BLD 111
Introduces the functions and components of an air conditioning system. Presents information on heat laws, refrigerants, oils, refrigerant recovery, refrigerant properties, and refrigeration cycles of residential and light commercial systems. Demonstrates designing, assembling and operating a working refrigeration system. Provides students with certification in Refrigerant recovery and Refrigerant 410A Safety.

BLD 113—HVAC III: Residential Systems—Air Conditioning and Heat Pumps (4)
Prerequisite: BLD 112
Identifies components, accessories and functions of residential air conditioning and heat pump systems. Explains and demonstrates techniques for efficient operation, maintenance, troubleshooting and repair of air conditioning and heat pump systems. Students will be required to pass the Air Conditioning and Heat Pump Competency exam to pass this course.

BLD 114—HVAC IV: Residential Systems—Heating Systems (4)
Prerequisite: BLD 113
Introduces the components, accessories, and functions of residential heating systems. Covers natural gas, propane, oil, forced air and hydronic-types of equipment. Emphasizes the electric diagram and mechanical principles of the operation of heating systems. Students will be required to pass Gas, Oil, and Electric heat competency exams and the Carbon Monoxide and Combustion Analysis Certification exam to pass this course.

BLD 121—Welding I: Introduction to Welding (4)
Prerequisites: EN 51 or ESL 97 or permission of program manager and MA 90 or MA 81 or permission of program manager
Introduces basic processes in the welding field. Emphasizes welding safety. Introduces the various types of welding equipment, identification and selection of electrodes, types of welds, and the different welding positions. Explores basic metallurgy (weldability), and welding defects and problems.

BLD 122—Welding II: Advanced Welding (4)
Prerequisites: BLD 121
Introduces more advanced welding topics and projects in Oxy-Acetylene welding, cutting, brazing, Shielded Metal Arc Welding (SMAW) and Gas Metal Arc Welding (GMAW). Develops skills used 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 need to pass the SMAW Qualification and Certification (Hobart #37), American Welding Society DC 11 test, and Structural Steel 3-G and 4-G tests to complete this course.

BLD 123—Welding III: Layout and Fabrication for Pipe Welding (4)
Prerequisite: BLD 122
Introduces methods of producing welding blueprints and object representatives. Provides specific meanings of select lines, surface features, sectional views, and basic math formulas used in the welding industry. Identifies the symbols used on welding blueprints and charts. Focuses on pipe welding presentations, pipe welding connections, and pipe welding classifications.

BLD 124—Welding IV: Pipe Welding (4)
Prerequisite: BLD 123
Provides the technical understanding of Pipe Welding nomenclature, weld quality, uphill pipe procedures and preheating and interpass heat treatments. Provides hands-on training to develop welding skills necessary to make high quality welds on open root mild steel pipe in the 5g, 2g, and 6g positions. Students will need to pass the Pipe Welding (uphill) certification (class 15) test to complete this course.
BLD 131—Carpentry I: The Basics (4)
Prerequisites: EN 51 or ESL 97 or permission of program manager and MA 90 or MA 81 or permission of program manager
Introduces specifications and terminology in residential carpentry. Reviews basics about tools, equipment, materials and their safe use and operation. Includes layout work, basic calculations, estimating, and blueprint reading with an emphasis on framing carpentry. Provides knowledge on the career paths available to a successful carpenter.

BLD 132—Carpentry II: Advanced Carpentry (4)
Prerequisite: BLD 131
Emphasizes wall and door framing. Includes wall framing, window framing, and exterior/interior door and window installation. Examines types of framing materials needed for each type of project.

BLD 133—Carpentry III: Building Practices and Frame Construction (4)
Prerequisite: BLD 132
Explores a variety of structural components and building practices in frame construction. Includes discussions on manufactured building materials, span and load bearing requirements, floor systems, roof systems, fastening techniques, and estimating, as well as common frame construction techniques. Lab exercises allow the student to practice the layout, assembly, and construction of a variety of structural components with concentration on common rafters and manufactured joists, trusses, and beams. Introduces stair layout, assembly, and the necessary mathematical calculations.

BLD 134—Carpentry IV: Interior Trim and Floor Finishes (4)
Prerequisite: BLD 133
Includes hanging and trimming doors, trimming windows, and the installation of interior moldings. Covers the installation of finished ceiling, floor, and wall materials including suspended ceilings, wall paneling, ceramic wall and floor tile, vinyl flooring and hardwood flooring.

BLD 141—Electrical I: Basic Electrical Theory (4)
Prerequisites: EN 51 or ESL 97 or permission of program manager and MA 90 or MA 81 or permission of program manager

BLD 142—Electrical II: Understanding the National Electrical Code (NEC) (4)
Prerequisite: BLD 141
Introduces the National Electrical Code (NEC). Explains the purpose of the NEC. Demonstrates electrical installation requirements, wiring protection, and wiring methods, materials and equipment for general use. Students will be required to pass the Introduction to the NEC exam.

BLD 143—Electrical III: Understanding the National Electrical Code Part II (4)
Prerequisite: BLD 142
Explains advanced sections of the National Electrical Code (NEC) including electrical requirements for special occupancies, special conditions, communication systems, conductor and raceway specifications and conduit and tubing fill requirements. Introduces low voltage and power limited systems and their relevance to the National Electrical Code. Students will be required to pass the Introduction to the National Electrical Code Volume II exam.

BLD 144—Electrical IV: Electric Motors and Controls (4)
Prerequisite: BLD 143
Introduces basic electrical controls from a practical perspective, then progressing to more complex controls for electric motors and other instruments. Provides a strong foundational knowledge of motor theory.

BLD 151—Plumbing I: Introduction to Plumbing (4)
Prerequisites: EN 51 or ESL 97 or permission of program manager and MA 90 or MA 81 or permission of program manager
Introduces students to the plumbing profession. Explores the history of plumbing, tools and materials of the plumbing trade, architectural drawings, and the proper maintenance of plumbing systems and fixtures. Emphasizes the student's development of safe work habits and behaviors, the proper use and maintenance of plumbing tools and materials, and the student's successful completion of assigned homework and performance tests.

BLD 152—Plumbing II: Advanced Plumbing (4)
Prerequisite: BLD 151
Explores methods of installing, servicing, and testing plumbing systems and fixtures; types of fuel gas systems; the principles of electricity, and the history and use of the Pythagorean theorem. Emphasizes development of safe work habits and behaviors and demonstration of working math skills and blueprint reading skills.

BLD 153—Plumbing III: Mathematical Applications and Specialized Systems (4)
Prerequisite: BLD 152
Provides an advanced and functional knowledge of the plumbing profession. Explores portable water treatment techniques and the use of sewage and sump pumps, backflow preventers, corrosive resistant waste piping, and compressed air systems. Emphasizes the application of mathematical concepts to the plumbing profession, techniques for sizing water supply and DWV (drain, waste & vent) piping, and the design of various plumbing systems.

Prerequisite: BLD 153
Introduces the business principles of the plumbing profession. Explores accounting principles, the service and repair of specialized plumbing systems, and cost control procedures for plumbing businesses. Emphasizes leadership skills, independent problem solving strategies, and the production of written reports.

BU: Business Studies

BU 103—Introduction to Business (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Introduces effective use of planning, organization and control in the management of an enterprise. Introduction to finance, personnel and plant management, marketing and business and government relations.

BU 107—Business Mathematics (3)
Covers the mechanics of computation and fundamentals of problem solving in such practical applications as statistics, percentage, interest, partial payments, distributions, payroll and graphs.

BU 109—Entrepreneurship & Small Business Enterprise (3)
Explores starting and successfully managing a small business. Includes making the decision for self-employment, getting started (new business, going concern, franchising), marketing the product or service, achieving proactive financial management, a miscellany of management pointers for small businesses (inventory/control/managing risk) and regulations and taxes.

BU 110—Personal Financial Management (3)
Develops a well-rounded approach to managing personal finances. Includes financial planning, budgeting, financing consumer purchases, risk control, investments and retirement planning.

BU 116—Global Business Simulation (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, ACCT 101, BU 103, and any CIS course
Introduces students to an international business model in which students work as team members in a simulated business firm. The students will perform various business functions (i.e., purchasing, accounting, marketing, and managing human resources) as the firm transacts business in a virtual environment with students in the U.S. and other countries. Emphasis will be placed on decision making, critical thinking, and team-building throughout the course.

BU 211—Business Law I (3)
Prerequisite: EN 101
Introduces business law and its application to business activity. Includes contracts, agency and employment, negotiable instruments and sales.

BU 212—Business Law II (3)
Prerequisite: EN 101
A continuation of Business Law I, including the law of personal property, bailments, security devices, partnerships, corporations, real estate and bankruptcy. May be taken concurrently with Business Law I.
BU 213—Principles of Finance (3)
Prerequisites: ACCT 102 and any credit math
Overview of financial sectors and tax environment; ratio analysis; forecasting profits; working capital management; investment decisions with present value emphasis and investments under uncertainty; valuation and cost of capital; and long-term financing.

BU 219—Leadership Education and Development (L.E.A.D.); First-Time Supervisors (3)
Corequisites: US Army/Military Employee: First-Time Supervisor Provides first-time supervisors an experiential and theoretical framework for successfully applying Army Leadership competencies to the supervisory/management role. Includes an analysis of the elements of leadership, a comparison of leadership styles, and the study of the effects of motivation, communication, conflict management, team-building, and systems perspectives on supervisory responsibilities.

BU 221—Public Relations (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Introduces basic principles that business and administrative organizations have found to be successful in building and maintaining favorable public relations. Attention to the various tools of public relations such as the broadcast media, newspapers, periodicals, brochures, photographs and exhibits.

BU 223—Human Resource Management (3)
Prerequisite: BU 103
Surveys personnel administration procedures in business and government organizations. Includes study of the 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.

BU 225—Marketing (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Explores problems and organization of systems that distribute goods and services in the business world. Promotion through retail and wholesale parallels; consumer buying habits; pricing, budgeting, transportation and warehousing; and sources and uses of marketing information.

BU 227—Principles of Management (3)
Prerequisite: BU 103
Covers basic principles of management in business and administrative organizations. Emphasizes the management functions of planning, organizing, staffing, directing, controlling and coordinating. Includes the delineation of authority and responsibility, organization charts, organization and methods surveys, cost and quality control and management improvement programs.

BU 240—Real Estate Finance (3)
Prerequisite: MA 91
Details the instruments of real estate finance, legal and financial aspects and problems created by their use. Studies financing residential and income properties; risk analysis; underwriting and documentation; alternative mortgage instruments; the mortgage market; sources of real estate credit; and government in the real estate market.

BU 250—Principles of Bank Operations (3)
Describes fundamentals of bank functions so that the beginning banker may acquire a broad and operational perspective.

BU 251—Introduction to International Business (3)
Prerequisite: BU 252
Presents the management and decision-making aspects of international business situations. Studies the functions of international business as it relates to economics, monetary systems, law, finance and accounting.

BU 252—Introduction to International Finance (3)
Prerequisite: EC 201
Includes foreign exchange markets, international banking markets, international security markets and financial swaps.

BU 253—International Business Law (3)
Covers function and importance of business law, private dispute settlement procedures, basics of buying and selling goods in foreign countries; the basic structure and principles of international trade law and negotiations for trade, and the regulations of the international marketplace.

BU 265—Home Mortgage Lending (3)
Prepares the student for the transition from employee to supervisor. The course evaluates styles of leadership and develops skills in human relations management.

BU 270—Installment Credit (3)
Includes the evolution of installment credit, investigation and credit decision, inventory financing, rate structure and cost analysis in installment credit, servicing installment credit, special loan programs, advertising and business development installment credit.

BU 272—Supervisory Management (3)
Prerequisites: EN 50A or ESL 95 and ESL 99
Focuses on developing leadership skills and the ability to manage in a diverse work environment.

BU 275—Fundamentals of Leadership (3)
Prerequisite: EN 50A or ESL 95 and ESL 99
Emphasizes the theory and real-time practice of leadership skills used in the workplace. Classroom activities and assignments will focus on strategies for navigating change, leading with priorities in mind, managing conflict, giving and receiving constructive feedback, visionary, preparing mission statements, and setting goals.

BU 276—Global Workplace (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Prepares students for the transition from employee to supervisor. The course evaluates styles of leadership and develops skills in human relations management.

BU 277—Principles of Accounting (3)
Prerequisites: MA 91
Details the instruments of real estate finance, legal and financial aspects and problems created by their use. Studies financing residential and income properties; risk analysis; underwriting and documentation; alternative mortgage instruments; the mortgage market; sources of real estate credit; and government in the real estate market.

BU 279—Marketing (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Explores problems and organization of systems that distribute goods and services in the business world. Promotion through retail and wholesale parallels; consumer buying habits; pricing, budgeting, transportation and warehousing; and sources and uses of marketing information.

BU 281—Global Awareness in the Workplace (3)
- Global Business Environment (3)
- International Business Law (3)
- International Finance (3)
- International Financial Management (3)
- International Marketing (3)
- International Trade (3)

Accounting (MGT) (Continuing Education/Noncredit)

MGT 252—Become a Certified Bookkeeper
The course focuses on preparing you for the national Certified Bookkeeper examination by helping you truly master the skills and knowledge required for certification. Subject areas to be covered are adjusting entries (accruals and deferrals), correction of accounting errors (including the bank reconciliation), basic book and tax depreciation, basic payroll (includes paying wages, withholding, reporting taxes, use of basic forms), and recording and costing out merchandise inventory. You will use 5 workbooks, one for each exam subject. Exams are administered at Prometric Test Centers. Exam fees are additional.

To become a certified bookkeeper, you will need at least 2 years of working bookkeeping experience and will have to sign a written code of ethics. Certification can increase your earning potential, enhance your standing as a professional and give you an edge in the most competitive job market.
appropriate ways. Improve your overall ability to assert yourself in responsible and needs is not always easy. Build on your existing strengths and asking for, and getting, others to respect your basic rights and Expressing your honest thoughts and feelings to others and

AMA 306—Presentation Success: How to Plan, Prepare, and Deliver Effective Presentations
With easy-to-use worksheets, strategies, and tips, this self-paced course helps you overcome your presentation fear and makes it easy to plan, prepare, and deliver well structured presentation your comfortable giving. Understand the best ways to prepare your opening, write smooth transitions, plan Q & A sessions, and troubleshoot potential problem areas.

AMA 404—Fundamentals of Human Resources
A comprehensive guide on virtually every aspect of human resources management. Learn to develop an effective human resources plan based on an organization’s needs.

AMA 410—Successful Interviewing Skills
Sharpen your skills to better address open-ended questioning, active listening, and reading body language—all essential in a variety of management situations. Learn to apply these techniques to 12 types of business interviews, from hiring and coaching to assessment and termination. Gain practice in dealing with interviewees who are nervous, aggressive, overly talkative, evasive, or otherwise challenging. Managers will also appreciate the wealth of real-life dialogs that highlight this broad-based and highly useful course.

AMA 504—Delivering Knock Your Socks Off Service
Create a service advantage with this course as we reveal the secrets of customer care. In practical, easy to follow steps, learn trusted techniques and positive approaches that will inspire you to believe in the value of customer care and provide you with the skills and style to deliver it.

CH: Chemistry

CH 100—Chemistry and Society (4)
• GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Intended for non-science majors. 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. Will not serve as a prerequisite for CH 102, CH 201 or advanced science courses. For non-science majors.

CH 101—General Chemistry (4)
• GenEd Science
Prerequisites: Completion of high school chemistry strongly recommended; EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 92
Intended for science majors, technology majors and pre-allied health majors. Examines the concepts underlying modern chemistry, including atomic and molecular structure, bonding, states of matter and solutions. Laboratory experiments illustrate the lecture material.

CH 102—General Chemistry (4)
• GenEd Science
Prerequisite: CH 101
Continues examining the concepts underlying modern chemistry, including kinetics, equilibrium, acid-base theory, nuclear chemistry, electro-chemistry, chemistry of the elements and an introduction to organic and biochemistry. Laboratory experiments illustrate the lecture material.

CH 105—Essentials of Organic Chemistry (4)
Prerequisite: CH 102
Introduces organic chemistry, emphasizing nomenclature, structure, methods of preparation, reactions and some biological applications. Laboratory includes synthesis and identification of organic compounds. For students in allied health fields and for students needing a one-semester organic chemistry course.

CH 201—Organic Chemistry (4)
Prerequisite: CH 204
Introduces the hydrocarbon and derivatives, emphasizing bonding, structure, nomenclature, methods of preparation, reaction and reaction mechanisms. Generates interest in and appreciation for the organic chemistry and its applications to modern life. Laboratory emphasizes common techniques, synthesis of representative compounds and constructive organic analysis.

CH 202—Organic Chemistry (4)
Prerequisite: CH 201
Continues the study of the hydrocarbon and derivatives, emphasizing bonding, structure, nomenclature, methods of preparation, and reaction mechanisms. Laboratory emphasizes common techniques, synthesis of representative compounds and constructive organic analysis.

CMSP: Communications Speech

CMSP 103—Speech Fundamentals (3)
• GenEd Arts and Humanities/Communications
Prerequisite: EN 52 or ESL 99
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.

CMSP 105—Group Discussion (3)
• GenEd Arts and Humanities/Communications
Prerequisite: EN 52 or ESL 99
Offers skills development in verbal and nonverbal communication, listening, observation, leadership and participation in groups. Emphasizes leading a learning/discovery discussion, researching and analyzing questions of fact and policy, planning agendas, interacting and reaching consensus.

CMSP 107—Career Communication (3)
• GenEd Arts and Humanities/Communications
Prerequisite: EN 50A or ESL 95 and ESL 99
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.
Students enrolling in these courses should be familiar with the Microsoft Windows operating system.

CAD 101—Introduction to AutoCAD I (4)
Prerequisite: EN 51 or ESL 97
Introduces the in-depth study of the fundamentals of AutoCAD. This is an intensive hands-on course covering the basic commands used to create 2-D production drawings. Students will learn how to create and modify geometrical designs, plot from Paper Space, and use layers to organize and separate information.

CAD 102—Introduction to AutoCAD II (4)
Prerequisite: CAD 101
Continues the in-depth study of AutoCAD. Introduces the definitions and classifications of angles, creation of multi-view drawings, and differentiation between LTSCALE and PLOTSCALE, creation, use of TEXTSTYLE, DIMSTYLE, and PLOTSTYLE, and the use and setting of dimensions.

CAD 121—Introduction to MicroStation I (3)
Prerequisite: EN 51 or ESL 97
Introduces the fundamentals of MicroStation Computer Aided Design software system. Provides intensive hands-on instruction covering the basic commands used to create 2-D production drawings. Covers how to create and modify geometrical designs, plot, and use levels and reference files to organize and separate information.

CAD 200—Introduction to Architectural Drawing and Design (3)
Prerequisite: CAD 101
Introduces 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.

CAD 201—Residential Architecture I (4)
Prerequisite: CAD 102
Introduces 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 complete a set of plans and work with various disciplines for one house. Plans will be completed in AutoCad.

CAD 202—Residential Architecture II (4)
Prerequisite: CAD 201
Introduces the use of AutoCad in preparing construction documents and 3-dimensional models of buildings: Architecture terminology, building techniques, building conventions, building design, and architecture-related information will be introduced. Students will complete a set of plans and work with various disciplines for one house. Plans will be completed using AutoCad.

CAD 203—Advanced Architectural CAD (3)
Prerequisite: CAD 202
Introduces advanced software applications used in architectural design and their applications. Students will utilize AutoCAD to create two- and three-dimensional architectural drawings/models and visual renderings. Students will utilize Building Information Modeling software to create drawings, schedules, and renderings.

CAD 205—Civil Drafting with CAD (3)
Prerequisite: CAD 102
Introduces basic setups and standards used in civil design. Students will identify the fundamental concepts used in civil design including grading, use of contours, and surveying. Students will create civil drawings using AutoCAD and estimate material quantities for civil projects.

CAD 206—Commercial Drafting with CAD (3)
Prerequisite: CAD 202
Introduces drafting and design considerations and concepts for commercial structures. Students will describe and interpret national building codes, access requirements for people with disabilities, and interpret project manuals/written specifications. Students will create commercial drawings using AutoCAD.

CIS: Computer & Information Sciences

CIS 101—Introduction to Computers and Information Processing (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 91 or MA 81
Introduces the fundamental concepts of design and programming from an object-oriented perspective. Debugging techniques and various algorithms will be investigated. The course emphasizes good software engineering principles and critical thinking skills. Fundamental programming skills will be developed using a language that supports the object-oriented paradigm. This course is for majors or non-majors with little or no programming experience.

CIS 103—Keyboarding (3)
A series of individual courses involving various state-of-the-art microcomputer software application packages. Courses include:

CIS 103A—Introductory Keyboarding (3)
Develops typewriting skills and techniques. Covers basic procedures such as typing personal and business letters, envelopes, centering, tabulation and manuscripts. Goal is at least 30 words per minute. Course may be waived upon examination.

CIS 103B—Executive Keyboarding (3)
Helps students with keyboarding experience to further their skills in the area of administrative or executive office skills. Students identify their speed and accuracy problems, develop practice routines to help correct these problems, and learn basic and advanced business formatting. Teaches how to prepare employment documents, how to handle office tasks, how to edit and abstract written materials, and how to make decisions and set priorities.

CIS 106—Introduction to Object Design and Programming (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 91 or MA 81
Introduces the fundamental concepts of design and programming from an object-oriented perspective. Debugging techniques and various algorithms will be investigated. The course emphasizes good software engineering principles and critical thinking skills. Fundamental programming skills will be developed using a language that supports the object-oriented paradigm. This course is for majors or non-majors with little or no programming experience.
CIS 111J—Microcomputer Software Applications: Web Page Development (3)
Prerequisite: CIS 101
Introduces the Dreamweaver and Fireworks Integrated Web Development Environment to create Web sites. Covers the development of integrated, interactive Web sites with emphasis on visually stimulating Web technologies. Conceptualization, design, layout and management capabilities will be studied. Introduces the HTML language. Investigation of code generation by the software application may include but not be limited to HTML and JavaScript.

CIS 111L—Microcomputer Software Applications: Open Operating Systems (3)
Prerequisite: CIS 101 or CIS 106
Explores the practical use and operation of an open-source operating system (Linux/Unix). Students will learn how to use basic Unix commands, shell scripting, and various system utilities.

CIS 111M—Personal Computer Operating Systems Concepts (3)
Explores the practical use and operation of microcomputer operating systems. Students will function as system managers and will be responsible for setup and maintenance of directories, menus, and system files on a microcomputer-based INTEL compatible microprocessor. Completion of this course will help prepare students for the A+ certification microprocessor.

It is recommended that students have a basic understanding of Windows operating system before enrolling in this course.

CIS 111Q—Microcomputer Software Applications: Audio & Music Software (3)
Prerequisite: CIS 101 or CIS 110D or CMM 111 or CMM 152
Introduces commercial software to create music digitally and produce computer audio. Explores uses of studio software, Musical Instrument Digital Interface (MIDI), Virtual Studio Technology Instruments (VSTi), Audio & MIDI files and a variety of production techniques.

CIS 111R—Business Software Applications (3)
Emphasizes an integrated approach. Covers different software applications, from spreadsheet to word processor, to graphics, 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.

CIS 116—Microcomputer Software Applications (A,B,...,)(1)
A series of short-term courses leading to increased skills in various state-of-the-art microcomputer software application packages.

CIS 116B—Internet Home Page (1)
Prerequisite: CIS 116D
Learn how to create Web pages using mark codes, link Web sites, include images and sound files and how to create user-friendly forms.

CIS 116C—Presentation Graphics (1)
Introduces the basic principles and terminology of presentation graphics software. Topics covered include but are not limited to creating slides, using charts and graphics, customizing information and controlling the design of an electronic presentation. Teaches how to make transparencies, 35mm slides and handout notes for a slide show.

CIS 116D—Windows (1)
Covers the basics of the Windows operating system from navigating with the mouse to customizing the desktop to managing files, directories and programs.

CIS 116K—Basic Project Management (1)
Introduces students to the basic tasks related to planning a project, creating project schedules, communicating project information, using critical paths to assign resources, tracking progress, and sharing information across software applications.

CIS 116L—Software Integration (1)
Prerequisite: CIS 111A, CIS 111E, CIS 116C
Builds upon student’s knowledge of the Microsoft Office Suite. Students cover the basics through advanced features of sharing data among Word, Excel, Access, PowerPoint and Outlook.

CIS 116P—Photoshop (1)
Introduces the basic principles and terminology of graphics software used for Web and print materials. Students will learn how to create, modify, and import images as well as merge and edit colors. Students will become familiar with both the MAC and PC platforms in this course.

This course is recommended for students planning to take CMM 114 or CIS 111J.

CIS 116Q—Macromedia Flash (1)
Introduces the basic principles and terminology of Web media software. Students learn how to create interactive media including animated logos, Web site navigational controls, and media-rich elements that integrate with Web pages.

CIS 121—Visual Basic Programming Language (3)
Prerequisite: CIS 106 or CIS 108
Introduces programming with emphasis on structured design. Students gain knowledge of computers and problem solving by writing programs in the Visual BASIC language. Programming for maximum user productivity and acceptance is stressed. Business applications are developed using a modular programming style.

CIS 140—Introduction to Object-Oriented Programming in Java (3)
Prerequisite: CIS 106 or CIS 108
Covers the Java programming language as a student’s first programming language. Introduces object-oriented programming in a Java environment. Emphasizes developing Java application and applets using a Java programming style. Includes debugging Java applications and applets.

CIS 156A—Introduction to Personal Computer Hardware (1)
Introduces PC technology as identified by the objectives in CompTIA’s A+ certification. Provides the framework for understanding how computers work from the inside out. Introduces the technologies computers use including the hardware and peripherals personal computer use, safety precautions while working with hardware, and fundamental troubleshooting procedures to keep computers running. Provides an overview of how hardware and software work together. Part one of three-course sequence in the CompTIA A+ certification track.

CIS 158A—Personal Computer Operating Systems (3)
Prerequisite: CIS 158B
Introduces personal computer (PC) hardware and system maintenance procedures. Includes a detailed look at hardware components, power supply, upgrades, networking, maintenance and troubleshooting. Includes assigning configuration settings, upgrading systems, configuring SCSI devices, installing printers and monitors, removing and replacing components, and troubleshooting POST errors. Part two of the three-course sequence in the CompTIA A+ certification track.

CIS 158B—Personal Computer Repair and Troubleshooting (3)
Prerequisite: CIS 158A
Provides hands-on projects for installing, configuring, and troubleshooting personal computer (PC) operating systems. Students work with DOS and Windows operating systems. Part three of the three-course sequence for the CompTIA A+ certification track.

CIS 161A—Managing and Maintaining a Microsoft Windows Server 2003 Environment (3)
Prerequisite: CIS 158C or CIS 180 or CIS 212
Provides students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server 2003 environment. This is the first course in the Systems Administrator and Systems Engineer tracks for Windows Server 2003 and serves as the entry point for other courses in the Windows Server 2003 curriculum.

CIS 161B—Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services (3)
Prerequisite: CIS 161J
Provides students with the knowledge and skills to implement, manage, and maintain a Microsoft Windows ServerTM 2003 network infrastructure. The course is intended for systems administrators and systems engineers who are responsible for implementing, managing, and maintaining server networking technologies. These tasks include implementing routing, implementing, managing, and maintaining Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and Windows Internet Name Service (WINS); securing Internet Protocol (IP) traffic with Internet Protocol security (IPSec) and certificates; implementing a network access infrastructure by configuring the connections for remote access clients; and managing and monitoring network access.
CIS 161C—Implementing and Supporting Microsoft Windows XP Professional (3)
Prerequisite: CIS 161B
Introduces the implementation and desktop support needs to deploy and support Microsoft Windows XP Professional in a variety of stand-alone and network operating system environments. Provides in-depth, hands-on training for Information Technology (IT) professionals responsible for the planning, implementation, management, and support of Windows XP Professional.

CIS 161D—Implementing and Managing Microsoft Windows Exchange Server 2003 (3)
Prerequisite: CIS 161C
Provides students with the knowledge and skills that are needed to update and support a reliable, secure messaging infrastructure. This infrastructure is used for creating, storing, and sharing information by using Microsoft Exchange Server 2003 in a medium to large-sized (250 to 5,000 seats) messaging environment. This course provides a significant amount of hands-on practices, discussions, and assessments to assist students in becoming proficient in the skills that are needed to update and support Exchange Server 2003.

CIS 161E—Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure (3)
Prerequisite: CIS 161D
Provides students with the knowledge and skills necessary to plan and maintain a Windows Server 2003 network infrastructure. This course is appropriate for individuals employed as or seeking a position as a systems engineer. It is also appropriate for individuals currently supporting other platforms who want to enhance their job skills on Microsoft Windows Server 2003 networking.

CIS 161F—Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure (3)
Prerequisite: CIS 161E
Provides students with the knowledge and skills to successfully plan, implement, and troubleshoot a Microsoft Windows ServerTM 2003 Active Directory directory service infrastructure. The course focuses on a Windows Server 2003 directory service environment, including forest and domain structure, Domain Name System (DNS), site topology and replication, organizational unit structure and delegation of administration, Group Policy, and user, group, and computer account strategies.

CIS 161G—Designing Security for Microsoft Networks (2)
Prerequisite: CIS 161F
Introduces the skills to design a secure network infrastructure. Topics include assembling the design team, modeling threats, and analyzing security risks to meet business requirements for securing computers in a networked environment. The course encourages decision-making skills through an interactive tool which stimulates real-life scenarios. Students are given the task of collecting the information and sorting through details to resolve a given security requirement. This course is designed for IT systems engineers and security specialists who are responsible for establishing security policies and procedures for an organization. Students should have one to three years of experience designing related business solutions.

CIS 161J—Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts (1)
Prerequisite: CIS 161A
Provides students with the skills and knowledge necessary to configure a Windows-based computer to operate in a Microsoft Windows ServerTM 2003 networking infrastructure. The course reviews the suite of TCP/IP protocols and explains each of their functions. Explains how to construct and assign IP addresses and how to isolate addressing issues. Describes how to configure an IP address for a client computer running Microsoft Windows Server 2003. Describes the various types of name resolution mechanisms provided by the Windows operating systems, and explains how to isolate connectivity issues.

CIS 168A—Managing and Maintaining a Microsoft Windows Server 2003 Environment for an MCSE Certified on Windows 2000 (1)
Prerequisite: CIS 183
Introduces students to the knowledge and skills to manage and maintain a Microsoft Windows ServerTM 2003 networked environment. This course consists of lecture content and hands-on labs that provide experience focused exclusively on the skills and objectives that align with Exam 70-292: Managing and Maintaining a Microsoft Windows Server 2003 Environment for an MCSE Certified Systems Administrator Certified on Windows 2000.

CIS 169A—Planning, Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Environment for an MCSE Certified on Windows 2000 (3)
Prerequisite: CIS 186
Introduces the skills to plan, implement, manage, and maintain a Microsoft Windows ServerTM 2003 networked environment. This course focuses on the changes from Microsoft Windows Server 2000 to Windows Server 2003 and is intended for systems engineers who want to upgrade their skills from Windows Server 2000 to Windows Server 2003. This course will help the student prepare for Exam 70-292: Managing and Maintaining a Microsoft Windows Server 2003 Environment for an MCSE Certified on Windows 2000 and Exam 70-296: Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Environment for an MCSE Certified on Microsoft Windows 2000.

CIS 170—Security Fundamentals (3)
Prerequisite: CIS 180
Provides students with the knowledge and skills to implement, manage and secure network services, network devices, and network traffic. Builds on foundational network concepts, computer hardware, and operating systems principles.

CIS 171—Information Technology Project Management (3)
Prerequisite: CIS 158C or A+ certification or Network+ certification
Emphasizes the information technology (IT) specific challenges of project management. Based on best practices of IT project management, the course incorporates management concepts including soft skills such as conflict resolution, negotiation, communication, and team building/leadership. Introduces project management tools such as schedules, spreadsheets, and databases. Covers business practices, interpersonal skills and project management processes, and the effective planning, implementation and completion of projects on time and within budget.

CIS 178—Networking Fundamentals (3)
Reviews hardware, operating systems, and other networking principles. Includes comprehensive networking skill sets necessary for the CompTIA Network exam.

CIS 189—Managing a Microsoft Windows 2000 Network Environment (3)
Prerequisite: CIS 182
Focuses on performing desktop and server installations and configuration tasks. Course content includes hardware and software installations, upgrades, system operation tasks, and common troubleshooting tasks.

CIS 190—Cisco Networking Fundamentals: Internetworking 1 (5)
Emphasizes the OSI model and industry standards. Includes network topologies, IP addressing, subnet masks, basic network design and cable installation.

CIS 191—Cisco Networking Router Technologies: Internetworking 2 (5)
Prerequisite: Minimum grade of “B” in CIS 190
Teaches skills to install, configure, customize, maintain and troubleshoot Cisco routers and components.

CIS 192—Cisco Advanced Routing and Switching Technologies: Internetworking 3 (5)
Prerequisite: Minimum grade of “B” in CIS 191
Teaches the skills to configure advanced routing protocols, Local Area Networks (LANs), and LAN switching, and to design and manage advanced networks.

CIS 193—Cisco Project-Based Learning: Internetworking 4 (5)
Prerequisite: Minimum grade of “B” in CIS 192
Teaches the skills to design and configure advanced wide area network (WAN) projects using Cisco IOS command set.

CIS 200—Help Desk: Software Technician (3)
Prerequisite: CIS 101
Introduces students to the operation of a help desk and emphasizes the requirements of computer technology in the workplace for technically proficient specialists who provide end-user support in a microcomputer information center environment. Students practice problem-solving and communication skills appropriate in a user-support area. Good customer relation skills and work habits are emphasized throughout the course. Students enrolling in this course should have a strong background in software applications.

CIS 201—Computer Science I (3)
Prerequisites: MA 82 or MA 92, and CIS 106 or CIS 108
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.
CIS 202—Computer Science II (3)
Prerequisites: CIS 201
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).

CIS 203—Systems Analysis & Design (3)
Prerequisites: CIS 106 or CIS 108
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.

CIS 204—Computer & Information Sciences Project (3)
Prerequisite: CIS 203
Student is assigned a project commensurate with their background and training and carries it through from system analysis and design to program preparation and implementation.

CIS 206—C Programming (3)
Prerequisite: CIS 130 or CIS 140 or CIS 201 or CIS 240
Covers the ANSI C standard. Emphasizes structured design techniques, a C programming style, multi-file compilations, and reusable software. Introduces the C Preprocessor for symbolic constants, macros and conditional compilations.

CIS 208—C++ Programming (3)
Prerequisite: CIS 130 or CIS 140 or CIS 201
Introduces C++ syntax. Emphasizes object-oriented programming (OOP). Discusses differences between C and C++. C++ features covered that are not in C include: classes and objects, inheritance, function and operator overloading, and virtual functions.

CIS 210—LAN Design & Management (3)
Prerequisite: CIS 111L or CIS 111M
Introduces Local Area Network (LAN) design and management. Emphasizes practical design considerations and hands-on management. Specific design topics include standards, topologies, interconnectivity, comparative implementations, security and electronic messaging. Management topics include installation, resource and user management and software/programming considerations.

CIS 212—Personal Computer Repair & Diagnostics (3)
Prerequisite: CIS 101 or CIS 110D
Introduces diagnosis and troubleshooting of personal computers at the system level. Troubleshooting techniques include diagnostic software, board replacement, memory management, IC chip replacement and other common troubleshooting practices. Topics include microcomputer circuits and operating system layouts, tools usage, hardware and software interaction, and multimedia technology.

CIS 217—Computer Network Security (3)
Prerequisite: CIS 111L or CIS 111M or CIS 15BC
Provides an overview of network security including general security concepts, communication security, infrastructure security, operational and organizational security, and the basics of cryptography. Topics may include areas covered in the Security+ curriculum. Hands-on network security exercises will be included.

CIS 218—Introduction to Information Security and Assurance (3)
Prerequisite: CIS 106
Introduces the fundamental concepts of information security and assurance. Topics include technical, policy and personnel aspects. Specific case studies and hands-on laboratories will be used to enhance student comprehension.

CIS 225A—Computer Programming Language: PHP (3)
Prerequisite: CIS 106
Introduces programming using PHP.

CIS 225B—Computer Programming Language: eXtensible Markup Language (XML) (3)
Prerequisite: CIS 106
Introduces programming using XML.

CIS 230—Database Management Systems (3)
Prerequisites: CIS 106 or CIS 108
Provides an overview of database systems; error detection; data encryption techniques, hardware and management. Introduces database management systems while specifically describing the DBMS language, schema structure, access methods and maintenance procedures. Students write programs in a fourth-generation language for creation of and access to, a database.

CIS 232—Database Administration (3)
Prerequisites: CIS 230
Provides in-depth study in database implementation and administration. Covers database installation and configuration of users, tables, storage, roles and security. Investigates use of constraints, privileges and globalization. Uses database administration utilities and codes administration scripts in a fourth-generation language.

CIS 235—P.E.R.L. Programming (3)
Prerequisite: CIS 106 or CIS 108
Provides an intensive introduction to programming and design using the PERL programming language. Topics include scripts, input/output, operators, regular expressions, references, and files. Applications to systems, World Wide Web (WWW), and Common Gateway Interfaces (CGIs) will be covered. Some Hypertext Markup Language (HTML) will be covered for interfacing to PERL. Students will develop several structured PERL programs.

CIS 241—Introduction to Data Communications and Networking (3)
Prerequisite: CIS 101 (CIS 108 also recommended)
Presents principles and practices of modern data communications and provides an understanding of on-line processing systems; basic communications theory; components of data communications systems, error detection; data encryption techniques; hardware and software, network protocols and system planning considerations.

CIS 250—Microprocessor Assembly Language (3)
Prerequisites: CIS 121 or CIS 130 or CIS 140 or CIS 240
Provides an understanding of microcomputer architecture and assembly language programming. Emphasizes writing and running subroutines. Note: Students who have taken CIS 150 may not enroll in CIS 250.

CON: Construction Management

CON 101—Introduction to Construction Management (3)
Prerequisite: EN 52 or ESL 99
Covers the construction process, roles and responsibilities of employees and construction documents. Reviews forms of business organization along with the relationship of the business operation to government regulations, labor laws and safety.

CON 131—Construction Law (3)
Prerequisite: EN 52 or ESL 99
Corequisite: CON 101
Explores construction law and the relationship between engineers, contractors, sub-contractors, suppliers and attorneys relative to specific legal and contractual problems.

CON 132—Materials & Methods of Construction I (3)
Prerequisite: EN 52 or ESL 99
Presents a systematic and fundamental approach to the understanding of construction materials and methods. Basic properties, service requirements and methods of employment for established and newer material are examined.

CON 133—Materials & Methods of Construction II (3)
Prerequisite: CON 132
Presents a systematic and fundamental approach to the understanding of construction materials and methods. This course continues the examination of basic properties, service requirements and methods of employment for established and newer material that began in Part I.

CON 140—Architectural Blueprint Reading (3)
Prerequisite: EN 51 or ESL 97
Introduces basic blueprint reading and construction methods. Develops skills to visualize and understand documents that are the basis of communication to the design and construction industries.

CON 150—Applied Practices in Construction/Construction Management (3)
Courses offered under this umbrella develop introductory/intermediate applied skills and competencies associated with the construction management profession. Particular focus is on the development and application of manual/trade skills utilized in the industry, particularly those requiring licensure or certification.
course descriptions

CON 151—Applied Practices in Construction/Construction Management II (3)
Prerequisite: CON 150
Courses offered under this umbrella develop intermediate/advanced applied skills and competencies associated with the construction management profession. Particular focus is on the development and application of manual/trade skills utilized in the industry, particularly those requiring licensure or certification.

CON 200—Construction Surveying (3)
Prerequisites: CON 140 and MA 81
Introduces basic principles and concepts of surveying with an emphasis on building construction applications.

CON 202—Mechanical and Electrical Systems (3)
Prerequisites: CON 101 and CON 140
Introduces basic principles and concepts of mechanical and electrical building systems and their application to design and construction of buildings. The course develops an understanding of basic concepts of heating, cooling, plumbing, and electricity.

CON 203—Principles of Site Management (3)
Prerequisites: CON 101, CON 133, CON 140 and CS 101
Examines the principles that apply to project planning, organization, and field operations. Establishes documentation, quality, and customer service procedures. Cost control, productivity, and invoicing techniques are investigated.

CON 204—Construction Project Cost Estimating (3)
Prerequisite: CON 101, CON 133, CON 140 and CS 101, and MA 81 or MA 90
Introduces practical and theoretical techniques of cost estimating that apply to the construction business. Covers business environment, methods, quantity surveying, pricing and computer applications.

CON 205—Construction Accounting and Financial Management (3)
Prerequisites: CON 101 and CS 101
Examines accounting and related financial material specific to the construction industry. Topics include principles of accounting, project cost accounting, financial statements and their interpretation, and tax management. A case study approach is utilized. Computer applications are emphasized.

CON 206—Construction Project Scheduling (3)
Prerequisites: CON 101, CON 133, CON 140, and CS 101
Introduces the concepts and procedures in preparing a project schedule. Bar charts and critical path method and computer application are examined. Students will use sample projects and case studies to apply scheduling concepts.

Construction (TRD) (Continuing Education/Noncredit)

TRD 165—HVAC I: Refrigeration
Introduces the principles of the refrigeration cycle. Hands-on experiences include basic component identification and function, charging, and checkout techniques. List of required tools given out first night of class. (Liability form required)

TRD 107—HVAC II: Basic Electricity
Covers basic electricity, Ohm’s law, controls, calibration, schematic reading, and basic troubleshooting. Hands on and lecture. List of required tools given out first night of class. Prerequisite: HVAC I. (Liability form required)

TRD 108—HVAC III: Basic Refrigeration & Electricity
A combination of basic refrigeration and electricity. Covers comfort conditioning, psychometrics and central A/C control wiring. Students build a working A/C unit. Hands on and lecture. Prerequisite: HVAC I & II (Liability form required)

TRD 155—HVAC IV: NATE/Journeyman Exam Preparation Part I
A prerequisite for HVAC V. Topics covered in this course are: fundamentals of refrigeration, mathematics for the technical trades, basic blueprint reading, basic mechanics, basic refrigeration systems, compression systems and compressors, refrigerant controls, electrical, magnetic fundamentals, electric motors and basic electronics. (HVAC IV and V prepare you for the NATE certification and/or Journeyman exam.)

TRD 164—HVAC V: NATE/Journeyman Exam Preparation Part II
Learn about commercial and residential refrigeration and air conditioning systems, heating systems (gas, oil, electric and water), air flow and duct systems. Also teaches how to do heat load calculations for walk-in refrigeration boxes, residential and commercial air conditioning and heat. Students will be taught how to calculate airflow and the various types of duct systems and duct size. (HVAC IV & V prepare you for the NATE Certification and/or Journeyman Exam). CEUs.

TRD 169—Refrigerant Recovery Certification
Covers principles and practices of refrigerant recovery as well as safety and environmental issues recommended in EA guidelines. Upon completion, students take the EPA approved National Association of Air Conditioning Contractors of America Certification Test for Type I, II and III refrigeration systems.

TRD 116—Basic Welding
An introduction to basic techniques for horizontal and vertical welding with oxyacetylene and electric arc welding equipment. (Liability form required)

TRD 117—Advanced Welding
Covers additional skills in arc welding and oxyacetylene welding in addition to MIG and TIG welding and student projects. Welding certification testing available at the end of the course. (Fee for certification not included in course total) Prerequisite: Welding I or instructor's permission. (Liability form required)

TRD 131—Electricity: Basic Residential Wiring
Introduces residential wiring and includes hands-on labs (plugs, switches, lights, service entrance, parallel & series circuits). (Liability form required)

TRD 161—Electricity: Industrial Electrical Troubleshooting
Demonstrates the efficient use of certain electrical meters to troubleshoot relay/logic circuits. Learn to safely and efficiently locate problems while working with live equipment on line. Use the different meters available including multimeters, clamp-on meters, ammeters, megohmeters and proximity voltage meters. (Liability form required)

TRD 157—Electricity: Journeyman/Master’s Exam Prep
Prepare for the master s/journeyman’s license exam. Review the NEC and calculations, etc., to prepare for the exam. Prerequisite: Familiarity with NEC book.

CE: Cooperative Education

CE 106—Cooperative Education/London Work Experience (6)
Comprises: Participation in London Work/Study Abroad Develop workplace competencies, expand knowledge of the global workplace and economy, appreciate cross-cultural perspectives through working in the British workplace, and create a portfolio that represents an integration of the entire London experience. (The wages earned while working in London will help the student offset daily living expenses.)

CJ: Criminal Justice

CJ 101—Introduction to Criminal Justice (3)
Prerequisite: EN 52 or ESL 99
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.

CJ 106—Police: Community Relations (3)
Prerequisite: Acceptance into the Police Academy
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.

CJ 108—Serial Killers: Psychosocial Perspectives (3)
Prerequisite: EN 52 or ESL 99
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.

CJ 110—Criminal Law (3)
Prerequisite: EN 52 or ESL 99
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.
CJ 204—Police Operational Services (3)
Prerequisites: CJ 101, CJ 110
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 police officers' health and safety.

CJ 212—Criminalistics (4)
Prerequisite: CJ 204
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.

CJ 214—The Correctional Process (3)
Prerequisite: CJ 101
Surveys the juvenile and adult correctional process from adjudication through probation or parole.

CJ 220—Criminal Evidence & Procedure (3)
Prerequisite: CJ 110
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.

CJ 221—Police Defense Tactics (5)
Prerequisite: Acceptance into the Police Academy
An overview of law enforcement use of force and defensive tactics concepts. Will review unarmed defense, pressure points, controlled force and impact weapon usage.

CJ 222—Police Arsenal and Weapons (5)
Prerequisite: Acceptance into the Police Academy
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.

CJ 223—Emergency Vehicle Operations Course (EVOC) (3)
Prerequisite: EN 52 or ESL 99
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.

CJ 224—Awareness Training for Weapons of Mass Destruction (3)
Prerequisite: EN 52 or ESL 99
Provides baseline awareness-level training involving weapons of mass destruction (WMD) developed by the U.S. Department of Homeland Security. Introduces the role first-responders play in prevention, preparedness, deterrence and response to a potential terrorist incident.

CMM: Digital Media

CMM 101—Introduction to Electronic Media (3)
- GenEd Arts and Humanities/Arts
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Surveys the functions and effects of the electronic mass media. Emphasis will be placed on researching and analyzing the history of radio and television, including government regulations, audience measurement, advertising and careers in broadcasting.

CMM 103—Introduction to Film (3)
- GenEd Arts and Humanities/Arts
Prerequisites: Acceptance into the Police Academy
Reviews the history of film, the development of the film industry, and the role of the filmmaker.

CMM 105—Basic Darkroom to Digital Photography (3)
- GenEd Arts and Humanities/Arts
Prerequisites: EN 52 or ESL 99
Emphasizes Adobe Illustrator, Adobe Photoshop, and Adobe InDesign. A portfolio of visual work will be produced by the end of the semester.

CMM 111—Communications Graphics I (3)
Prerequisite: CMM 112 or CMM 212
Provides training in the design and production of visual communication materials, including use of design software.

CMM 112—Communications Graphics II (3)
Prerequisite: CMM 111
Level two graphic design. Expands on Communications Graphics I. Students will solve a variety of design problems using the computer and contemporary graphics software. Real world design assignments will be given, allowing the student to gain experience in dealing with clients, meetings, project management, cost effectiveness, and color printing press. Lectures, demonstrations and class critiques are held to give the student a look at the historical and functional use of design. Emphasizes intermediate design skills using Adobe InDesign, Illustrator, Acrobat, Bridge, and Photoshop.
CMM 212—Communication Graphics III (3)
Prerequisite: CMM 112
Level three graphic design. Offers an advanced level approach to graphic design. Expands upon Communications Graphics II. Emphasizes the development of a well-rounded graphic design portfolio, containing professional quality graphic design, photography and illustration. An intensive study using current graphics software to generate print graphics such as corporate identity, advertising, collateral and package designs. Primary software: Adobe InDesign, Adobe Photoshop, and Adobe Illustrator.

CMM 214—Web Design II (3)
Prerequisite: CMM 114
Presents intermediate level Web design. Students will design and produce multimedia Web sites consisting of typography, graphics, animations, and sound. Emphasis on user interface design and Web site planning through hands-on skills using HTML, BBEdit, Macromedia Dreamweaver, Macromedia Flash, Macromedia Fireworks, Adobe Photoshop, and Adobe ImageReady.

CMM 231—Darkroom Photography II (4)
Prerequisite: CMM 131
Includes advanced concepts of exposure, lighting, composition and adds the techniques of perspective control with the use of lenses of various focal lengths. Covers the use of camera equipment in black and white and color photography. Must have a knowledge of basic photography.

CMM 240—Introductory Photojournalism (3)
Prerequisite: CMM 131
Covers 35mm camera operation and darkroom procedures. Emphasis on photo essay for communications media. Laboratory facilities and supplies provided. Students provide cameras and accessory equipment.

CMM 252—Digital Cinema (4)
Prerequisite: CMM 152
Focus on television field production and nonlinear editing through individual and group projects. Students will develop production skills in film-style television programming. Instruction includes professional standards of camera work, lighting, audio and digital editing. The discipline necessary for quality television production is developed through hands-on experiences, individual instruction and project critiques. Students will develop editing and effects skills using Final Cut Pro and Adobe After Effects.

CMM 254—Principles of Film and Video Editing (4)
Prerequisite: CMM 152 or CMM 252
Develops practical skills in digital editing through a series of demonstrations and intensive hands-on exercises. Students study various editing styles and philosophies while designing and completing assigned editing projects using Final Cut Pro software. Effective media management and post-production processes are emphasized.

CMM 256—Television Studio Directing and Operations (4)
Prerequisite: CMM 152
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.

CMM 259—Television News Production (4)
Prerequisite: CMM 252
Develops television news writing and production skills with hands-on studio and field exercises. Students will write news stories, interview campus and community newsmakers on-camera and edit news segments into finished programs on Final Cut Pro. Brief lectures, demonstrations and video examples are followed by news production work. Students will learn to use professional equipment and processes while producing news, sports and event programming.

CMM 261—Digital Post Production (4)
Prerequisite: CMM 254
Students will develop advanced skills in digital post production through a series of demonstrations and intensive hands-on exercises. By studying various editing styles and philosophies, students will design and complete assigned post-production projects using Final Cut Pro, After Effects, Photoshop and other professional software packages.

CMM 269—Television Production Internship (3)
Prerequisite: CMM 252
Provides laboratory experience in conjunction with campus television production. Emphasis on set construction, scene painting, properties and stage lighting. Explores all technical aspects of play production, with emphasis in theatrical production for presentation during the summer. May be taken for credit three times.

CMM 275—Television Production Internship (3)
Prerequisite: CMM 152
Focuses on television field production and nonlinear editing through individual and group projects. Students will develop production skills in film-style television programming. Instruction includes professional standards of camera work, lighting, audio and digital editing. The discipline necessary for quality television production is developed through hands-on experiences, individual instruction and project critiques. Students will develop editing and effects skills using Final Cut Pro and Adobe After Effects.

CMM 295—Television Production Internship (3)
Prerequisite: CMM 252
Provides laboratory experience in conjunction with campus television production. Emphasis on set construction, scene painting, properties and stage lighting. Explores all technical aspects of play production, with emphasis in theatrical production for presentation during the summer. May be taken for credit three times.

CMM 299—Independent Study (1–3)
Prerequisite: CMM 152
Covers independent study in a field of study related to Communications Media. Approval of instructor and department head is required.

DR 101—Introduction to Theater (3)
Prerequisites: EN 101 and CR 101
Introduces the history of drama and the theater through reading, viewing and discussing plays.

DR 102—Introduction to Acting (3)
Offers a basic study of acting, through both a historical perspective and in-depth exercises.

DR 121—Stagecraft (3)
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.

DR 203—Fundamentals of Directing (3)
Addresses problems in playwriting, directing and acting. Students work on scenes and/or one-act plays.

DR 204—Production Survey (1)
Students participate in a campus theater production as a member of the production crew. May be taken for credit three times.

DR 205—Acting Survey (1)
Students prepare a theater production. May be taken for credit three times.

DR 206—Advanced Acting (3)
Concentrates on characterization and dramatic improvisation.

DR 212—Summer Theater Internship (3)
Offers an intensive study of theatrical performance, including both acting and stagecraft assignments. Students prepare a theatrical production for presentation during the summer.

DR 214—Readers Theatre (3)
Includes the principles, preparation, performance, direction, criticism and field study of various forms of group performance of literature.

DR/EN 229—Modern Drama (3)
• GenEd Arts & Humanities/Arts
Prerequisite: EN 101
Presents selected works of drama that have gained prominence during the late nineteenth and twentieth centuries.

ECD: Early Childhood Development

ECD 101—Introduction to Early Childhood Education (3)
Prerequisites: EN 52 or ESL 99
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. Units of study also review contemporary trends, issues and practices in the field of early childhood education.

ECD 104—Activities I for Children (3)
Prerequisite: EN 52 or ESL 99
Corequisite: ED 100
This course is 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 Maryland State Department of Education Teaching Methodology requirements for an initial certificate in Early Childhood Education. This course also includes the 90-hour requirement for Infant/Toddler Staff. ECD 104 is required to complete the 90-hour Letter of Recognition in Early Childhood.

ECD 106—Infants & Toddlers Development and Care (3)
Prerequisite: EN 52 or ESL 99
Examines the child’s growth and development from conception to age two. The course investigates normal stage development, health, feeding, play, rest, abuse as well as appropriate activities for socialization, positive guidance techniques and skills to enhance parent/caregiver communication. This course meets the State requirement’s approved training for Infant/Toddler Staff qualification.

ECD 108—Activities for the School-Age Child (3)
Prerequisite: EN 52 or ESL 99
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, intellectual and social development. This course meets the state requirements training for group leader.
ECD 110—Special Education in Early Childhood (3)  
Prerequisites: EN 52 or ESL 99  
Designed to provide an introduction to students in the field of special education focusing on children birth to five years old. Students will explore theories and techniques for caring for and teaching children who have been identified as exceptional. 
The course content focuses on inclusive education, referral process, early intervention, interdisciplinary community services, effects on family, and adaptations to curriculum, materials, and environment.

ECD 210—Directed Practicum in Early Childhood (3)  
Prerequisites: Successful completion of at least 45 credits including ED 100, ECD 101, and ECD 104  
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).

ECD 212—Administration of Child Development Centers (3)  
Prerequisites: Successful completion of at least 45 credits including ED 100, ECD 101, ECD 104, ECD 106 before enrollment  
Presents management practices and the administrative functions of child development center directors. Covers state requirements for physical facilities, staffing and designing programs. Covers budgeting and financing of child development centers.

ECD 213—Understanding and Guiding the Young Child’s Behavior (3)  
Prerequisite: ED 100  
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.

ECD 230—Language and Literacy Development in Early Childhood (3)  
Prerequisites: ED 100, ECD 104  
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.

Early Childhood Development (CHI) (Continuing Education/Noncredit)

CHI 113—Child Development & Behavior  
Introduces basic growth and developmental principles necessary to work effectively with young children from ages birth to 12 years. Emphasizes the social, emotional, physical and intellectual developmental stages of the young child. This course satisfies one-half of the 90-hour State requirement for Day Care Certification. (Also offered for credit as ED 100) All licensees must attend all hours of Child Care Administration approved courses. Those who arrive late, leave early or do not meet course performance requirements as detailed in the course outline do not receive a certificate.

CHI 114—Activities I for Children  
Introduces the principles, materials and methods used with young children ages birth to six, including advancing physical, cognitive, communicative, creative and social skills. Students plan and present lessons in the area with young children. This course satisfies one-half of the 90-hour state requirement for day care certification. Corequisite: Child Development & Behavior. Meets training requirement for Senior Staff. (Also offered for credit as ECD 104) All licensees must attend all hours of Child Care Administration approved courses. Those who arrive late, leave early or do not meet course performance requirements as detailed in the course outline do not receive a certificate.

CHI 130—Activities for the School Age Child  
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, intellectual and social development. This course meets the state requirements for training for group leader. (Also offered for credit as ECD 108.)

CHI 131—Administration of Child Development Centers  
Presents management practices and the administrative functions of child development center directors. Covers state requirements for physical facilities, staffing and designing programs. Covers budgeting and financing of child development centers.

CHI 136—Infants & Toddlers Development and Care  
Examines the child’s growth and development from conception to age two. The course investigates normal stage development, health, feeding, play, rest, abuse as well as appropriate activities for socialization, positive guidance techniques and skills to enhance parent/caregiver communication. This course meets the State requirement’s approved training for Infant/Toddler Senior Staff qualification.

CHI 138—Special Education in Early Childhood  
Designed to provide an introduction to students in the field of special education focusing on children birth to five years old. Students will explore theories and techniques in caring for and teaching children who have been identified as exceptional. The course content focuses on inclusive education, referral process, early intervention, interdisciplinary community services, effects on family, and adaptations to curriculum, materials and environment. (Also offered for credit as ECD 110.)

CHI 140—Understanding & Guiding the Young Child’s Behavior  
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.

EC: Economics

EC 201—Principles of Economics (3)  
- GenEd Social & Behavioral Sciences/Economics  
Prerequisite: EN 52 or ESL 99  
Introduces basic concepts, the national accounts, national income analysis, business cycles and the monetary system with an essentially macro-economic approach.

EC 202—Principles of Economics (3)  
- GenEd Social & Behavioral Sciences/Economics  
Prerequisite: EC 201  
Emphasizes price theory, distribution, international trade and economic development with an essentially micro-economic approach.

EC 210—Money and Banking (3)  
Prerequisite: EC 201  
Imparts an integrated understanding of the monetary process within the modern economy, with particular emphasis to the United States. Emphasizes the relationship between money, credit and the banking system in the United States.

ED: Education

ED 100—Child Development & Behavior (3)  
Prerequisite: EN 52 or ESL 99  
Introduces basic growth and developmental principles necessary to work with young children from birth to 12 years. Emphasizes the social, emotional, physical and intellectual developmental stages of the young child. This course is 45 hours of the 90 hours of Child Care Training required for Senior Staff. ED 100 is required to complete the 90 Hour Letter of Recognition in Early Childhood.
ED 102—Schools and Society (3)
- GenEd Social & Behavioral Sciences/Education
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99. It is strongly recommended that students pass this course prior to ED 202 and ED 203, if applicable.
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.

ED 202—Educational Psychology (3)
Prerequisites: EN 50A or ESL 95, and PS 101. It is strongly recommended that students pass ED 102, if applicable, prior to taking this course.
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.)

ED 203—Foundations of Special Education (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99. It is strongly recommended that students pass ED 102 or ECD 101, if applicable, prior to taking this course.
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.)

ED/PS 208—Human Growth & Development (3)
- GenEd Social & Behavioral Sciences/Education
Prerequisite: EN 52 or ESL 99
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.)

ED 214—Processes and Acquisition of Reading (3)
Prerequisites: 30 credits including EN 101, PS 101 or teacher certification
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.

ED 215—Instruction of Reading (3)
Prerequisite: ED 214
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.

ED 216—Materials for Teaching Reading (3)
Prerequisite: ED 214
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.

ED 217—Assessment for Reading Instruction (3)
Prerequisites: ED 214, ED 215
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.

ED 218—Teaching Reading in the Content Areas, Part I (3)
Prerequisites: 30 credits including EN 101, PS 101 or teacher certification
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.)

ED 219—Teaching Reading in the Content Areas, Part II (3)
Prerequisite: ED 218
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.)

EMS: Emergency Medical Services

EMS 107—Emergency Medical Technician - Basic I (8)
Prerequisite: Current CPR for Healthcare Providers Certification
Develops the knowledge and skills necessary to recognize signs and symptoms of illness and injuries encountered in the pre-hospital setting. This course follows the current DOT EMT-Basic National Standards curriculum modules for Preparatory, Airway Management, Patient Assessment and Trauma. A grade of C or better must be earned to be eligible to enroll in EMS 108.

EMS 108—Emergency Medical Technician - Basic II (9)
Prerequisite: EMS 107 with a grade of C or better
Develops the knowledge and skills necessary to recognize signs and symptoms of illness and injuries encountered in the pre-hospital setting. This course follows the current DOT EMT-Basic National Standards curriculum modules for Trauma, Medical Emergencies, Younger and Older Patients. A grade of C or better must be earned to be eligible to take EMT-B Certification Exams.

EMS 200—Introduction to the Pre-hospital Environment (2)
Prerequisite: Current Maryland/National Registry EMT-B certification, Current Healthcare CPR certification, MA 91 or MA 81, EN 52, EN 50A
Presents National Standard Curriculum—Division 1 program content including EMS systems, well being of the paramedic, injury prevention, medical/legal issues, ethics, communications, therapeutic communications, documentation and death & dying.

EMS 210—EMS Operations (3)
Prerequisites: EMS 218
Presents National Standard Curriculum—Division 8 program content including ambulance operations, medical incident command, rescue awareness & operations, crime scene awareness, hazardous material awareness, and OSHA bloodborne pathogens.

EMS 211—Patient Assessment & Airway Management (4)
Prerequisite: Current Maryland/National Registry EMT-B certification, Current Healthcare CPR certification, MA 91 or MA 81, EN 52, EN 50A
Provides students with National Standard Curriculum—Division 2 & 3 program content including: airway management & ventilation, history taking, techniques of physical examination, patient assessment, and clinical decision making.
EMS 212—Pharmacology (3)
Prerequisites: EMS 211
Introduces National Standard Curriculum-Division 1 program content including pharmacology, venous access & medications administration, and fluids & electrolytes.

EMS 213—Trauma (5)
Prerequisites: EMS 211
Examines National Standard Curriculum-Division 4 program content including trauma systems & mechanism of injury, hemorrhage & shock, soft tissue & face trauma, burns, head trauma, spinal trauma, thoracic trauma, abdominal trauma, musculoskeletal trauma, pediatric trauma, geriatric trauma, and OB trauma.

EMS 214—Respiratory (3)
Prerequisites: EMS 211
Explores National Standard Curriculum-Division 5 program content including pulmonary, allergies and anaphylaxis.

EMS 215—Environmental (3)
Prerequisites: EMS 211
Examines National Standard Curriculum-Division 5 program content including environmental conditions, infectious & communicable diseases, hematology, toxicology and weapons of mass destruction.

EMS 216—Cardiac (9)
Prerequisites: EMS 215
Focuses on National Standard Curriculum-Division 5 program content of cardiology.

EMS 217—Metabolic (4)
Prerequisites: EMS 215
Examines National Standard Curriculum-Division 5 program content to include: neurology, endocrinology, gastroenterology, urology, renal, behavioral and psychiatric disorders.

EMS 218—Special Considerations (4)
Prerequisites: EMS 217
Focuses on National Standard Curriculum-Division 5 & 6 program content including gynecology, obstetrics, neonatology, pediatrics, geriatrics, abuse & neglect, patients with special challenges, acute interventions for the home health care patient.

EMS 219—Paramedical Clinical I (1)
Prerequisites: EMS 214
Provides an opportunity to synthesize cognitive, affective and psychomotor skills within a variety of hospital and actual field clinical settings. Students will complete 100 hours of clinical time.

EMS 220—Paramedical Clinical II (1)
Prerequisites: EMS 219
Provides an opportunity to synthesize cognitive, affective and psychomotor skills within a variety of hospital and actual field clinical settings. Students will complete 125 hours of clinical time.

EMS 221—Paramedical Clinical III (1)
Prerequisites: EMS 219
Provides an opportunity to synthesize cognitive, affective and psychomotor skills within a variety of hospital and actual field clinical settings. Students will complete 100 hours of clinical time.

EMS 222—Paramedical Clinical IV (1)
Prerequisites: EMS 221
Provides an opportunity to synthesize cognitive, affective and psychomotor skills within a variety of hospital and actual field clinical settings. Students will complete 125 hours of clinical time.

EMS 223—Paramedical Clinical V (1)
Prerequisites: EMS 221
Provides an opportunity to synthesize cognitive, affective and psychomotor skills within a variety of hospital and actual field clinical settings. Students will complete 125 hours of clinical time.

EMS 224—Patient Care Scenarios (2)
Prerequisites: EMS 216
Provides an opportunity to synthesize cognitive, affective and psychomotor skills within a variety of practical patient care assessment and treatment scenarios.

EMS 225—National Registry Exam Preparation (1)
Prerequisites: EMS 216
Provides an opportunity to synthesize cognitive, affective and psychomotor skills within a variety of practical patient care assessment and treatment scenarios in preparation for the National Registry Written & Practical examinations.

EMS 226—Clinical Research Paper (1)
Prerequisites: EMS 210
Focuses on the research, preparation and writing of a documented EMS topic research paper.

EG: Engineering

EG 100—Introductory Engineering Science (3)
Prerequisites: EN 50A or EN 52 or ESL 95 and ESL 99, and MA 111
Develops basic concepts of engineering approaches to problem solving and the skills for the design and timely fabrication of the designed product.

EG 110—Engineering Statics (3)
Prerequisite: MA 210
Investigates that branch of physical science called mechanics. Mechanics deals with the state of rest or motion of bodies that are subjected to the action of forces. Statics is one branch of mechanics that deals with the equilibrium of bodies, i.e., those that are at rest or that move with a constant velocity. Includes theory and applications with an emphasis on developing ability to analyze problems.

EG 210—Mechanics of Materials (3)
Prerequisites: MA 211, PY 203
Includes analysis of systems of forces on a deformable body. Tools covered include geometrical relationships, free body diagrams, equilibrium equations and stress and strain properties of materials. Concepts are applied to beams, columns, shafts and covers other machine and structural parts.

EG 211—Engineering Dynamics (3)
Corequisite: MA 212
Includes the study of the motion of bodies relative to each other in two dimensions and in three dimensions. Analyzes systems both at rest and in motion. Includes force acceleration, work energy and impulse-momentum relationships.

EG 214—Engineering Thermodynamics (3)
Prerequisites: CH 102, EG 211, MA 212, PY 204
Examines basic thermodynamic principles including energy, entropy and free energy, and describes the macroscopic properties of various systems such as equilibrium states and phase transitions. Emphasizes applications to metals, polymers, ceramics and electronic materials.

EN: English & Literature

* Students in developmental courses may receive a “Z” grade at the end of a semester’s work. The “Z” designates in progress toward the proper competency level to exit the course.

*EN 50—Writing Skills I (0) [4]
Prerequisite: Placement in EN 51 or higher on reading placement exam
Develops basic writing skills. Emphasizes writing correct sentences and effective paragraphs. Includes English usage, punctuation and spelling. Placement based on the writing placement exam.

*EN 50A—Writing Skills II (0) [4]
Prerequisite or Corequisite: EN 52
Develops writing skills in preparation for EN 101. Emphasizes writing well-organized paragraphs and essays. Includes review of grammar and punctuation and development of proofreading and editing skills. Placement based on the writing placement exam.

*EN 51—Effective College Reading I (0) [4]
Promotes the development of active reading approaches for use with a variety of materials. Stresses the development of background knowledge and its role in reader-text interaction. Upon satisfactory completion of EN 51, students will enroll in Effective College Reading II (EN 52). Placement based on the reading placement exam.

*EN 52—Effective College Reading II (0) [4]
Promotes the development of active reading strategies for the tasks and texts students encounter in college. Stresses the interaction among the reader, the text and the context as applied to a variety of disciplines. Guides students to become independent readers who process information to enhance learning. Placement based on the reading placement exam.

EN 101—English Composition (3)
- GenEd English Composition
Prerequisites: EN 50A (or satisfactory performance on writing assessment) and EN 52 (or satisfactory performance on reading assessment) or ESL 95 and ESL 99
Presents the basic techniques of exposition through the writing of essays and the study of prose models.
EN 101S–English Composition with Supplementary Instruction (3) [5]
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Provides opportunities for students to work on the college's newspaper. Surveys the literature of the United States from the Colonial period to the Civil War.

EN 102–British Literature (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Surveys selected works of world literature from its beginnings through 1650 CE.

EN 103–American Literature (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Surveys the literature of the United States from the Civil War period through the present.

EN 204–American Literature (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Surveys the literature of the United States from the Civil War period through the present.

EN 205–World Literature (3)
• GenEd Arts and Humanities/Humanities; Cultural Competence
Prerequisite: EN 101
Surveys selected works of world literature from its beginnings through 1650 CE.

EN 206–World Literature (3)
• GenEd Arts and Humanities/Humanities; Cultural Competence
Prerequisite: EN 101
Surveys major world writers from 1650 CE through the present.

EN 207–Introduction to Film Studies (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Surveys selected works of film and their counterparts in literature. Emphasizes narrative abilities of film.

EN 210–Creative Writing I (A, B, etc.) (3)
Prerequisite: EN 101
Introduces skills of writing narrative fiction and/or poetry and/or drama. The complexities of creative writing as a craft and an art are explored through analysis of representative works, study of techniques and extensive practice.

EN 211–Creative Writing II (3)
Prerequisite: EN 210
Focuses on advanced reporting (features, interpretive stories, specialized assignments) and basic editing (reading copy, writing headlines) combined with practical experience on the college newspaper.

EN 212–Journalism I (3)
Prerequisite: EN 101
Introduces principles of good reporting.

EN 213–Journalism II (3)
Prerequisite: EN 212
Introduces skills of writing narrative fiction and/or poetry and/or drama. The complexities of creative writing as a craft and an art are explored through analysis of representative works, study of techniques and extensive practice.

EN 214–The Poem (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Analyzes the elements of the poem with emphasis on thematic development and relevance of the poems to life experiences in a variety of cultures and nations.

EN 215–The Novel (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Surveys a variety of novels. Analyzes the elements of the novel with emphasis on thematic development and relevance of the novels to life experiences in a variety of cultures and nations.

EN 216–The Short Story (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Surveys a 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.

EN 217–Creative Writing Practicum (1/2)
Prerequisite: EN 212
Provides opportunities for students to work on the college's student newspaper for credit. May be repeated for up to four credits.

EN 222–Creative Writing Practicum: Tuscarora Review Editorial Board (3)
Prerequisite: EN 210 or instructor permission
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.

EN 223–Classical Mythology (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
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.

EN 224J–Mystery Fiction (3)
Prerequisite: EN 101
Seeks to find guides to the fact of mystery in human life through reading classics in the genre of the mystery story.

EN 226–Film as Literature (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Surveys selected films and their counterparts in literature. Emphasizes narrative abilities of film.

EN 227–Literature: Multicultural Perspectives (3)
• GenEd Interdisciplinary & Emerging Issues/Multicultural Issues & Perspectives; Cultural Competence
Prerequisite: EN 101
Examines the diverse views of humankind and the human condition through the reading of selected works from a variety of cultures, both Western and Non-Western.

DR/EN 229–Modern Drama (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
Presents selected works of drama that have gained prominence during the late nineteenth and twentieth centuries.

EN 230–African American Literature (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
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.

EN 231–English Language Studies (3)
• GenEd Arts and Humanities/Humanities
Prerequisite: EN 101
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.
ESL: English as a Second Language

ESL 93—American English Pronunciation (0) [3]
Prerequisite: ESL 97 or placement on ESL Assessment

Designed for students whose native language is not English and who wish to improve their pronunciation of standard American English. Includes a wide variety of instructional methods: lecture, independent work, small group work, and whole class discussion. Course content focuses on both segmental and suprasegmental elements of pronunciation: English phonemes and patterns of stress and intonation.

ESL 94—English Grammar I for ESL (0) [3]
Prerequisite: Placement on ESL Assessment

Examines the basic elements of English grammar and usage with an emphasis on the fundamentals of the English sentence, including an in-depth study of the parts of speech. The course includes instruction in mechanics, punctuation, and usage and is designed for students whose native language is not English but who have some prior training in English. Placement is based upon the college’s ESL assessment. Students may take this course simultaneously with ESL 93, ESL 96, ESL 97, or any credit course for which they meet the prerequisites.

ESL 95—English Grammar II for ESL (0) [3]
Prerequisite: ESL 97 or placement on ESL Assessment

Builds upon sentence skills with a continued focus on English sentence structure and verb forms, including ESL instruction in mechanics, punctuation, and usage. Designed for students whose native language is not English but who have some prior training in English. Placement is based upon the college’s ESL assessment. Students may take this course simultaneously with ESL 93, ESL 96, ESL 97, or any credit course for which they meet the prerequisite.

ESL 96—Beginning Reading and Writing for ESL (0) [5]
Prerequisite: Placement on ESL Assessment

Designed for students whose native language is not English but who have some prior training in using the English language. Includes integrated instruction in listening, speaking, reading, and writing. Emphasizes reading and writing everyday English, understanding spoken English, and increasing conversation ability. Likely to take more than one semester to complete. Placement is based upon students’ performance on the college’s ESL assessment. Students who successfully complete this course may enroll in ESL 97: Low-Intermediate Reading and Writing for ESL.

ESL 97—Low-Intermediate Reading and Writing for ESL (0) [5]
Prerequisite: ESL 96 or placement on ESL Assessment

Designed for students whose native language is not English, but who have some prior training in using the English language. Includes integrated instruction in listening, speaking, reading, and writing with emphasis on effective spoken and written language for subsequent ESL courses. Likely to take more than one semester to complete. Placement is based upon students’ performance on the college’s ESL assessment or successful completion of ESL 96: Beginning Reading and Writing for ESL. Students who successfully complete this course may enroll in ESL 98: High-Intermediate Reading and Writing for ESL.

ESL 98—High-Intermediate Reading and Writing for ESL (0) [5]
Prerequisite: ESL 94 or placement on ESL Assessment

Designed for students whose native language is not English but who have a working knowledge and understanding of the English language. Includes integrated instruction in listening, speaking, reading, and writing with emphasis on academic writing for subsequent ESL courses. Likely to take more than one semester to complete. Placement is based upon students’ performance on the college’s ESL placement or successful completion of ESL 94: English Grammar I and ESL 97: Low-Intermediate Reading and Writing for ESL. Students who successfully complete this course may enroll in ESL 99: Advanced Reading and Writing for ESL.

ESL 99—Advanced Reading & Writing for ESL (0) [5]
Prerequisite: ESL 98 or placement on ESL Assessment

Designed for students whose native language is not English but who have some prior training in using the English language. Includes integrated instruction in listening, speaking, reading, and writing. Likely to take more than one semester to complete. Placement is based upon students’ performance on the college’s ESL assessment or successful completion of ESL 98: High-Intermediate Reading and Writing for ESL. Students who successfully complete this course may enroll in EN 101: English Composition.

FEM: Federal Emergency Management

See page 17 for more information on these courses.

FEM 102—Radiological Emergency Response (1)

Provides an introduction to radiological emergency response skills to provide a learning experience in which participants demonstrate a comprehensive understanding of radiological protection and response principles, guidelines, and regulations.

FEM 103—Community Disaster Exercise (1)

Introduces the basic principles of community disaster exercises. It builds a foundation for subsequent exercise courses. Included are the management of an exercise program, designing and developing of an exercise, conducting and evaluating an exercise, and developing and implementing an improvement plan.

FEM 104—Earthquake Structural Mitigation (1)

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.

FEM 105—Retrofitting Flood-Prone Residential Structures (1)

Provides students with the essential, nontechnical background knowledge about retrofitting. The retrofitting measures presented are creative and practical, comply with applicable floodplain regulation, and are satisfactory to homeowners.

FEM 107—Hazardous Materials for Medical Personnel (1)

Designed to prepare hospital personnel to analyze hazardous materials situations, take the necessary steps to assure medical providers safety, and identify appropriate resources for decontamination and medical care. Additional training is required in order to diagnose and treat patients who have been involved in hazardous materials incidents.

FEM 108—Introduction to Disaster Assistance (1)

Provides students with a basic understanding of the roles and responsibilities of the local community, state, and the federal government in providing disaster assistance. It is appropriate for both the general public and those involved in emergency management who need a general introduction to disaster assistance.

FEM 109—Introduction to Animals in Disaster (1)

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.

FEM 110—Animals in Disaster Planning (1)

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.

FEM 113—Comprehensive Emergency Management (1)

Provides an introduction to the position of Emergency Program Manager as involved in Comprehensive Emergency Management. Included is an in-depth look at the four phases of comprehensive emergency management: mitigation, preparedness, response, and recovery; and overall program management and the integrated emergency management.

FEM 115—Introduction to Radiological Emergency Management (1)

Provides students with the background and practical knowledge necessary to understand the fundamental concepts of radioactivity, the types of radiological emergencies, and the potential effects of these incidents upon the emergency responder as well as the general public. Included are the measures that need to be enacted to ensure safety for all affected.

FEM 116—Introduction to Hazardous Materials (1)

Intended to provide a general introduction to hazardous materials that can serve as a foundation for more specific studies in the future. The course has five units. No prior knowledge of the subject is required.
FEM 119—Volunteer Agencies in Emergency Management (1)
Provides students with the basic understanding of the history, roles, and services of disaster relief voluntary agencies in providing disaster assistance. It is appropriate for both the general public and those involved in emergency management operations.

FEM 122—Community Hurricane Preparedness (1)
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.

FEM 126—Public Assistance Process (1)
Covers such topics as an overview, eligibility, kickoff meeting, project formulation, and small project validation. Also introduces the process of the public assistance program that awards grants to assist state and local governments as well as private and nonprofit entities with recovery needs from a disaster.

FEM 127—Emergency Management of Hazardous Weather (1)
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.

FEM 128—State Disaster Management (1)
Provides students with fundamental information on the state disaster assistance process and disaster assistance programs. Course includes disaster plans, federal assistance, disaster partners, and comprehensive emergency management.

FEM 130—Introduction to Residential Coastal Construction (1)
Provides the student with a guideline of basic information concerning residential coastal construction. It identifies the best practices for improving the quality of construction and reducing the economic losses associated with coastal disasters. It also explains how the risk to coastal residential development can be reduced by employing best practices in site location, design, and construction.

FEM 131—Principles of Emergency Management (1)
Provides an introduction to the fundamentals of emergency management as an integrated system. Surveys the resources and capabilities of organizations at all levels can be networked together in emergency management phases for effective hazard response.

FEM 132—Introduction to Leadership and Influence (1)
Provides an introduction to leadership and influence skills by addressing the following topics: leadership from within, how to facilitate change, how to build and rebuild trust, how to use personal and political influence, and how to foster an environment for leadership development.

FEM 133—Decision Making and Problem Solving (1)
Provides advanced methods to improve decision-making skills by addressing the decision-making process, decision-making styles, attributes of an effective decision, and ethical decision-making.

FEM 134—Effective Communication (1)
Provides an introduction to communication and interpersonal skills needed by local emergency managers, planners, and responders. Develops communication skills needed in emergency management situations.

FEM 135—Developing and Managing Volunteers (1)
Provides an introduction for working with volunteers and volunteer agencies (VOLAG) on emergency management projects. The need to work with volunteers before, during, and after emergency situations will be stressed.

FEM 136—Debris Operations (1)
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.

FEM 138—Livestock in Disasters (1)
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.

FEM 139—Introduction to Disaster Basics (1)
Provides a wide range of students with the basic knowledge to describe the major requirements, important features, and the dynamics of FEMA disaster interaction. This course is a prerequisite for the advanced level FEMA disaster management courses.

FEM 140—Emergency Planning (1)
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.

FEM 141—Disaster Exercise (1)
Introduces the fundamentals of exercise design and prepares students to design and conduct a small functional exercise for an organization. Addresses the value of conducting exercises and the components of a comprehensive exercise program. Reviews the exercise development process including development tasks, organization of the design team, exercise documentation, and the steps in designing an exercise.

FEM 143—Tribal Governments and Emergency Management (1)
Provides basic knowledge to build effective partnerships with tribal governments and work in concert with tribal governments to protect native people and property against all types of hazards. Throughout this course, tribal representatives speak about their history, culture, and way of life, and how to develop good relationships with tribal communities. Several lessons are devoted to specific program challenges that individuals may encounter in working with tribal governments to provide financial and technical assistance through disaster relief programs.

FEM 144—Environmental and Historic Preservation (1)
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.

FEM 145—Hazardous Materials Preparedness (1)
Introduces the Hazardous Materials (HazMat) planning process. Discusses types of HazMat and methods of dealing with HazMat. Identifies some of the resources that are available to assist in HazMat mitigation.

FEM 146—Radiological Emergency Preparedness (REP) (1)
Provides an understanding of FEMA’s Radiological Emergency Preparedness (REP) planning and preparedness procedures. Introduces the regulatory basis, philosophy, and methodology of exercise evaluation and an evaluator’s role in the process. Describes the responsibilities of an evaluator before, during, and after an exercise. Explores the six evaluation areas that are examined during exercise evaluation.

FEM 150—Incident Command System (ICS) (1)
Describes the history, features, principles, and organizational structure of the Incident Command System (ICS). It also explains the relationship between the Incident Command System (ICS) and the National Incident Management System (NIMS). Additionally, it provides training on and resources for personnel who are likely to assume a supervisory position within the Incident Command System (ICS).

FEM 151—National Incident Management System (NIMS) (1)
Provides a comprehensive understanding of the National Incident Management System (NIMS), purpose, principles, key components and benefits, in conjunction with the Incident Command System (ICS). Provides specific instruction as to the Planning, Public Information and Resource Management functions of NIMS.

FEM 154—Introduction to the Continuity of Operations Plan (COOP) (1)
Provides a fundamental understanding of Continuity of Operations Planning (COOP), terms, objectives, effects and benefits to public sector agencies and their employees. Provides an overview of what COOP is and is not, detailing the implementation of the specific components and objectives of a viable COOP plan.

FEM 155—Emergency Radiological Response Transportation (1)
Provides an understanding of radiological basics and biological effects from radiation exposure. Details a comprehensive introduction into potential hazards and mitigation procedures in resolving Radiological Transportation related incidents including radiative product packaging and containment, survey instruments, decontamination and disposal modalities.
### GIS: Geographic Information Systems

**GIS 101—Introduction to Geographic Information Systems with ArcGIS (3)**
- Introduces principles of geospatial technologies and the use/application of Geographic Information Systems (GIS) software and data. Develops an understanding of the functions of a GIS, how reality is represented and modeled in a computer environment, and how spatial databases are constructed and compiled. Develops data handling, conversion, and compilation skills using GIS software in a computer lab environment. (Students taking the course should already be proficient with the use of personal computers in a Windows environment.)

**GIS 102—Intermediate GIS Technologies with ArcGIS (3)**
- Introduces concepts required for the effective use and application of geographic information systems to common issues and problems. Develops an understanding of spatial relationships, basic spatial statistics, and the analysis tools and processes in a GIS that are used to assess them. Includes a significant hands-on software component to expand proficiency with a common GIS platform. Places special emphasis on project organization and process to develop practical solutions to common GIS problems. Concludes with a survey of the GIS industry through case studies that emphasize the many and diverse uses and applications of GIS.

### HE: Health Education

**HE 101—Nutrition in a Changing World (3)**
- Emphasizes the importance of nutritional science in the changing world. Focuses on the role of nutrition in the maintenance of good health throughout the life cycle. Presents recent nutritional concepts and theories.

**HE 102—Smoking Cessation (1)**
- A health class designed to help the smoker plan and personally implement a non-smoking program.

**HE 200—Principles & Application of Nutrition (3)**
- One semester of college biology either BI 100, BI 101, BI 103 or BI 107.
- Introduces the principles of nutrition and their application for the maintenance of good health throughout the life cycle. Presents recent nutritional concepts and theories.

**HE 201—Stress Management (3)**
- A wellness course designed to aid students in understanding the nature and sources of stress. Stress management coping strategies and relaxation techniques will be introduced.

**HE 204—Health Education (3)**
- Covers basic areas of health, including mental health, fitness, nutrition, weight control, sexual health, drugs and alcohol, disease and consumer and environmental health.
HI 206—Diplomatic History of the United States (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Includes historical and critical treatment of American foreign policy, its purposes, achievements and shortcomings from the Colonial period through the Nixon administration. Emphasis on the twentieth century and the role of the United States in world affairs.

HI 212—Civil War (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Examines the causes of the Civil War, the constitutional crisis confronting the Union, the conduct of the war by both the Union and Confederate, the economic and social conditions of the homefront, the status and condition of African Americans and the wartime origins of Reconstruction.

HI 213—History of the South (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
A 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.

HI 214—The Civil Rights Movement (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
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.

HI 215—Constitutional History of the United States (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
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.

HI 217—African-American History (3)
- Gen Ed Social & Behavioral Sciences/History or Interdisciplinary & Emerging Issues/Multicultural Issues & Perspectives, Cultural Competence
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
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.

H: Honors College

Many courses offered at Frederick Community College (FCC) are offered in an honors format. The courses have the same approved core learning outcomes and content requirements as regular courses. Honors courses are smaller, emphasize critical thinking/research projects, and typically stress a high level of reading, writing, and discussion.

In addition to prerequisites listed for individual honors courses, prerequisites for all honors courses include testing placement or the recommendation of a faculty member or the student's advisor.

Course descriptions and prerequisites for courses being offered in a given semester are listed under their academic area in this catalog.

ID 200H—Honors Seminar: Special Topics in Interdisciplinary Studies (3)
Prerequisites: EN 101, MA 92 or MA 82
Operates as an interdisciplinary seminar designed for honors students and open to other qualified students with permission of instructor. Topics vary from semester to semester but will synthesize work from at least two different academic content areas and focus on issues of importance to society.

IS: Honors Independent Study
Provides in-depth study of a particular subject. Students work closely with a faculty mentor to conduct original research or produce an artistic work, which is presented to the campus community at the end of the semester. See Honors Coordinator for guidelines and course permission. Honors independent study courses currently available include the following:
Corequisite: IS 912H. Contact the Honors Coordinator for admissions standards, 301.846.2535.
IS 900H IS: Biology Honors (3)
IS 901H IS: Communication Honors (3)
IS 902H IS: English Honors (3)
IS 903H IS: Mathematics Honors (3)
IS 904H IS: Psychology Honors (3)
IS 905H IS: Sociology Honors (3)
IS 909H IS: Art Honors (3)
IS 910H IS: Physical Science Honors (3)
IS 911H IS: History Honors (3)
IS 912H Honors Forum (1)
Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

HOS: Culinary Arts & Hospitality

HOS 110—Introduction to Hospitality Management (3)
Prerequisites: EN 50 and EN 52 or ESL 95 and ESL 99
Develops an understanding of the hospitality industry and introduces the student to the career opportunities available. Provides a basic understanding of the organizational structure and departmental functions within hotel and foodservice establishments. Examines the forces and issues that are shaping the current and future hospitality industry. Develops an understanding of competition and the role of management in providing product and service excellence. Various types of operations will be discussed emphasizing value chain analysis and defining service as competitive advantage.

HOS 112—Food Preparation I (3)
Prerequisite: MA 81 or MA 90
Corequisite: HOS 113, HOS 121
Introduces the fundamental concepts, skills, and techniques involved in basic food preparation and cookery. Emphasis is placed on recipe conversion, measurements, terminology, knife skills, safe food handling, cooking methods, flavorings, seasonings, stocks/sauces/soups, and other related topics. Extra fees required.

HOS 113—Food Preparation II (3)
Corequisite: HOS 112, HOS 121
Designed as a continuation of HOS 112. Emphasis is placed on meat, poultry and seafood fabrication and protein cookery; compound sauces; plate presentation; and quantity food preparation. Recipe conversion, measurements, terminology, knife skills, sanitation and safe food handling, cooking methods, flavoring and seasoning are reinforced. Extra fees required.

HOS 114—Baking (3)
Prerequisite: HOS 113
Corequisite: HOS 114
Develops skills in producing a variety of cold food products and preparing items appropriate for buffet presentation, including decorative pieces. Extra fees required.

HOS 115—Garde Manger (3)
Prerequisite: HOS 113
Corequisite: HOS 114
Develops skills in producing a variety of cold food products and preparing items appropriate for buffet presentation, including decorative pieces. Extra fees required.

HOS 116—International Cuisine (3)
Prerequisite: HOS 115
Corequisite: HOS 250
Provides advanced training in the preparation of selected ethnic and foreign cuisines. Students will study the relationship and influence of foreign cuisine on today’s more popular ingredients and dishes. Extra fees required.

HOS 121—Sanitation Certification (1)
Prerequisite: MA 81 or MA 90
Corequisites: MA 81, MA 90
Introduces students to food safety standards, HACCP plan development, and implementation. Successful completion of the course can lead to certification as a Safe Food Handler by the National Restaurant Association.
HOS 123—Food Service Purchasing & Cost Control (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 81 or MA 90
Examines food purchasing as a process and emphasizes the dynamics of managing the flow of food through the operation. Provides an introduction to food recognition and basic menu planning and their effects on production, service, labor and other financial control procedures. Emphasizes establishing operating standards, monitoring actual results and taking corrective action to account for variances. Introduces students to the budgeting process with strong emphasis placed on control of prime costs. Offers discussion on selection, training and retention of employees and the effect of Human Resource functions on daily operations and cost control.

HOS 250—À La Carte Cooking and Service (3)
Prerequisite: HOS 115
Corequisite: HOS 116
Provides the student with the opportunity to work in a simulated restaurant setting. Students rotate through the dining room and kitchen in this intensive capstone course. Front-of-the-house students learn various styles of table and beverage service. Back-of-the-house students learn à la carte preparation, cooking, and plating techniques. Customer relations and timing of service are emphasized. Extra fees required.

HU: Humanities

HU 201—Humanities I: Culture & Human Experience (To the Renaissance) (3)
- GenEd Arts and Humanities/Humanities
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Surveys Western culture through a study of philosophy, the visual, literary and performing arts from the Ancient World to the Renaissance.

HU 202—Humanities II: Culture & Human Experience (Renaissance to the Present) (3)
- GenEd Arts and Humanities/Humanities
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Surveys Western culture through study of art, music, literature and philosophy from the sixteenth century to the present.

HU 203—Special Topics in the Humanities (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
An intra-disciplinary umbrella course consisting of a series of three-credit courses that address timely topics in the humanities.

HU 203B—Civilization & Culture: Britain (3)
Corequisite: Participation in London Work/Study Abroad
Discover key social, cultural, and political characteristics of contemporary British society. Compare and contrast British and American assumptions and practices. The course structure is based on a series of seminars led by the core instructor with complementary lectures delivered by guest speakers specializing in specific topics.

HS: Human Services

HS 102—Human Relations (3)
- GenEd Social & Behavioral Sciences/Human Services; Cultural Competence
Prerequisite: EN 52 or ESL 99
An expeirienced course. Provides insight into one’s own and others interpersonal behavior. Includes the socio-psychological basis for interpersonal relationships and emphasizes the social and communication skills needed for successful human relationships.

HS 103—Introduction to Social Work and the Human Services (4)
Prerequisite: EN 52 or ESL 99
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.

HS 203—Introduction to Counseling & Interviewing (3)
Prerequisite: PS 101
Provides an overview of counseling theory, with focus on the development of specific helping behaviors.

HS 204—Ethics and Practice Issues in the Human Services (1)
Prerequisite: HS 203
Corequisite: INTR 102
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 addiction field.

HS 205—Fundamentals of Addictions (3)
Prerequisite: HS 203
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.

HS 206—Pharmacology of Psychoactive Drugs (3)
Prerequisite: PS 101
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.

HS 207—Theory and Practice of Group Counseling (3)
Prerequisite: HS 203
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.

HS 208—Human Service Work with Older Adults (3)
Prerequisite: EN 52 or ESL 99
Addresses the professional issues involved in working with older adults in a variety of settings. Students will learn how to conduct assessments, construct care plans and design activities for older adults. Professional issues such as communication, team building, conflict resolution, ethical issues, job burnout and dealing with loss will be discussed. (Although this course is especially useful for students planning to go directly into the work force and work with older adults, it may not transfer to a baccalaureate institution.)

Information Technology (Continuing Education/Noncredit)

CNS 209—CompTIA Security +
The CompTIA Security+ certification tests for security knowledge mastery of an individual with two years on-the-job networking experience, with emphasis on security. The exam covers industry wide topics including communication security, infrastructure security, cryptography, access control, authentication, external attack and operational and organization security. CompTIA Security+ curricula are being taught at colleges, universities and commercial training centers around the globe. Prerequisites: Networking Fundamentals or equivalent knowledge, and nine to twelve months experience in networking.

MC 2005—Networking Fundamentals
Provides students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server™ 2003 environment. This is the first course in the Systems Administrator and Systems Engineer tracks for Windows Server 2003 and serves as the entry point for other courses in the Windows Server 2003 curriculum. Prerequisite: General computer knowledge of personal computer operating systems.
MC 2277—Implementing, Managing, and Maintaining a MS Windows Server 2003 Network Infrastructure: Network Services
Provides students with the knowledge and skills to implement, manage, and maintain a Microsoft Windows Server™ 2003 network infrastructure. The course is intended for systems administrator and systems engineer candidates who are responsible for implementing, managing, and maintaining server networking technologies. These tasks include implementing routing, implementing, managing, and maintaining Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and Windows Internet Name Service (WINS); securing Internet Protocol (IP) traffic with Internet Protocol security (IPSec) and certificates; implementing a network access infrastructure by configuring the connections for remote access clients; and managing and monitoring network access. Prerequisite: MC2273: Managing and Maintaining a MS Windows 2003 Server Environment or equivalent knowledge and skills.

MC 2400—Implementing and Managing MS Exchange Server 2003
Provides students with the knowledge and skills that are needed to update and support a reliable, secure messaging infrastructure. This infrastructure is used for creating, storing, and sharing information by using Microsoft Exchange Server 2003 in a medium-sized to large-sized (250 to 5,000 seats) messaging environment. This course offers a significant amount of hands-on practice, discussions, and assessments that assist students in becoming proficient in the skills that are needed to update and support Exchange Server 2003. Prerequisite: MC2272.

ID: Interdisciplinary Studies

ID 110—Media and Human Values (3)
- GenEd Interdisciplinary & Emerging Issues/Interdisciplinary Prerequisite: EN 101 or EN 101H
This team-taught honors seminar explores media and human values as interdisciplinary concepts. These concepts will be examined in their social, literary and visual environments, and an emphasis on synthesizing conclusions reached. Students will be expected to conduct independent study and present results of research to the class.

ID 113—Introduction to Leadership (3)
- GenEd Interdisciplinary & Emerging Issues/Interdisciplinary Prerequisite: EN 50A and EN 52 or ESL 95 and ESL 99
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.

ID 209—Ethnic Diversity (3)
- GenEd Interdisciplinary & Emerging Issues/Interdisciplinary; Cultural Competence Prerequisite: EN 52 or ESL 99
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.

ID 214—Introduction to Gerontology: Issues of Aging and Mature Adulthood (3)
- GenEd Interdisciplinary & Emerging Issues/Interdisciplinary Prerequisite: EN 52 or ESL 99
Examines the psychological, sociological, and physiologival aspects of adulthood and aging. Emphasis is on the theories of why and how we age, lifestyles and factors that influence health and aging, personal needs, self-actualization and crises of the later years.

ID 220—World War II Through Film (3)
- GenEd Interdisciplinary & Emerging Issues/Interdisciplinary Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Surveys the major military and social developments of WWII through films and selected readings. Multicultural and multinational perspectives are included.

ID 222—The Sixties (3)
- GenEd Interdisciplinary & Emerging Issues/Interdisciplinary Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
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.

ID 224—Physical Aspects of Aging (3)
Prerequisite: EN 52 or ESL 99
Focuses on selected aspects of human aging from an interdisciplinary perspective. Intended for students who plan to work with older adults as part of their profession.

ID 225—Disaster, Crisis and Emergency Management (3)
- GenEd Interdisciplinary & Emerging Issues/Interdisciplinary Prerequisite: EN 50A and EN 52 or ESL 95 and ESL 99
Introduces students to the dynamic and relevant world of disaster, crisis and emergency management. Through the review of the history, social, political, and economic implications of disasters, students have the opportunity to explore the world of Emergency Management and experience the thrill of serving and the heartache of devastation. Students gain experience with effective writing, critical thinking skills, historical and social awareness as they travel through the emergencies of past, present and future.

INTR: Internship

INTR 101, 102, 103—Internship (1, 2, 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.

LF, LG, LI, LL, LR, LS: Languages

LF 101—Introductory French I (3)
- GenEd Arts and Humanities/Humanities Prerequisite: LI 101
Presents study of French grammar and vocabulary with selected readings in contemporary literature. Develops competence in and knowledge of French language and culture.

LF 102—Introductory French II (3)
- GenEd Arts and Humanities/Humanities Prerequisite: LF 101
A continuation of LF 101 with increased emphasis on literature and idiomatic speech.

LF 201—Intermediate French I (3)
- GenEd Arts and Humanities/Humanities, Cultural Competence Prerequisite: LF 102
Covers advanced grammar and composition with selected readings.

LF 202—Intermediate French II (3)
- GenEd Arts and Humanities/Humanities, Cultural Competence Prerequisite: LF 201
A continuation of LF 201. Readings in representative French prose and poetry form the basis of class discussion.

LG 101—Introductory German I (3)
- GenEd Arts and Humanities/Humanities Introduces German 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 German culture, thought and expression.

LG 102—Introductory German II (3)
- GenEd Arts and Humanities/Humanities Prerequisite: LG 101
Continuation of LG 101. Introduces more complicated readings.

LI 101—Introductory Italian I (3)
- GenEd Arts and Humanities/Humanities Presents the fundamentals of the Italian written and spoken language. Develops a firm foundation in the language with emphasis on the development of vocabulary, grammar, reading and conversational skills. Offers insight into Italian culture and customs.

LI 102—Introductory Italian II (3)
- GenEd Arts and Humanities/Humanities Prerequisite: LI 101
Serves as a continuation of the previous introductory course in Italian, with intensive oral work and a study of grammar with emphasis on reading and comprehension.

LI 201—Intermediate Italian I (3)
- GenEd Arts and Humanities/Humanities Prerequisite: LI 102
Presents advanced grammar and composition with selected readings pertinent to intermediate level. Group discussions in Italian.
LL 101—Introductory Latin I (3)
- GenEd Arts and Humanities/Humanities
  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.

LL 102—Introductory Latin II (3)
- GenEd Arts and Humanities/Humanities
  Prerequisite: LL 101
  Provides a continuation of LL 101. Introduces elementary readings in Latin literature.

LL 201—Intermediate Latin I (3)
- GenEd Arts and Humanities/Humanities
  Prerequisite: LL 102
  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.

LL 202—Intermediate Latin II (3)
- GenEd Arts and Humanities/Humanities
  Prerequisite: LL 201
  Reviews Latin grammar. Presents Virgil's Aeneid, Books I, II, IV and VI. Includes Roman and Greek culture and mythology appropriate to the readings.

LR 101—Introductory Russian I (3)
- GenEd Arts and Humanities/Humanities
  Covers fundamentals of the Russian written and spoken language. Offers a strong foundation in the language through development of vocabulary, grammar, reading and conversational skills. Offers insights into Russian culture and customs.

LS 101—Introductory Spanish I (3)
- GenEd Arts and Humanities/Humanities
  Introduces Spanish grammar and vocabulary. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of life-like dialogues, students gain insight into Spanish culture, thought and expression.

LS 102—Introductory Spanish II (3)
- GenEd Arts and Humanities/Humanities
  Prerequisite: LS 101
  Serves as a continuation of Introductory Spanish I. Introduces more complicated readings.

LS 201—Intermediate Spanish I (3)
- GenEd Arts and Humanities/Humanities, Cultural Competence
  Prerequisite: LS 102
  Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in Spanish.

LS 202—Intermediate Spanish II (3)
- GenEd Arts and Humanities/Humanities, Cultural Competence
  Prerequisite: LS 201
  A continuation of LS 201. Students discuss readings in representative Spanish prose and poetry.

LS 211—Spanish Conversation I (3)
- GenEd Arts and Humanities/Humanities, Cultural Competence
  Prerequisite: LS 102
  Develops oral fluency and language skills through interpretation and discussion of select readings, videos, songs and cultural experiences.

MT: Massage Therapy

MT 200—Massage Therapy Practicum (20)
- GenEd Arts and Humanities
  Prerequisite: Placement in EN 51 or ESL 97 or higher on the reading placement test
  Provides a continuation of MT 200. Introduces elementary readings in MT 200. Develops elementary skills with the goal of developing reading skills in the language and competence in answering basic questions. Through the reading of life-like dialogues, students gain insight into Spanish culture, thought and expression through the reading of Latin sentences and passages derived from ancient authors.

MA: Mathematics

MA 81—Introductory Algebra (0) [4]
- GenEd Mathematics
  Prerequisite: Placement in EN 51 or ESL 97 or higher on the reading placement test
  Develops introductory algebra skills. Topics include variables and algebraic expressions, order of operations, graphing and solving linear equations, like terms, the distributive law, applications of linear equations, systems of linear equations, polynomials, factoring, and rational expressions. Technology is integrated with traditional skill practice throughout the course.

MA 82—Intermediate Algebra (0) [4]
- GenEd Mathematics
  Prerequisite: MA 81 or MA 91 or appropriate score on placement test
  Develops intermediate algebra skills with a graphing approach. Topics include linear equations, systems of equations, quadratic equations, functions, exponents, radical functions, exponential functions, logarithmic functions, polynomial functions, and rational functions. Technology is integrated with traditional skill practice throughout the course.

MA 103—Foundations of Mathematics (3)
- GenEd Mathematics
  Prerequisite: MA 82 or MA 92
  Covers various topics within mathematics for those whose need is a survey of mathematical principles rather than the in-depth analysis required for a mathematics or science-related program. Depending on instructor preferences, areas covered may include: problem-solving strategies, logic, number systems, set theory, classification of numbers, algebra, financial management, geometry, measurement and right triangle trigonometry, probability, statistics, graphs, systems of equations, linear programming.

MA 200—Introduction to Discrete Mathematics (3)
- GenEd Mathematics
  Prerequisite: MA 82 or MA 92
  For the mathematics and computer science student. Develops problem solving skills. Topics include sets and logic, elementary number theory, graph theory, matrices, algorithm design, mathematical induction and recursion.

MA 201—Applied Calculus (3)
- GenEd Mathematics
  Prerequisite: Minimum grade of “C” in either MA 92 or MA 82
  Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in Spanish.
MA 206–Elementary Statistics (3)
- GenEd Mathematics
Prerequisite: Minimum grade of “C” in MA 92 or MA 82
An introductory non-calculus statistics course. Topics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests and non-parametric tests.

MA 207–Elementary Statistics with Probability (4)
- GenEd Mathematics
Prerequisite: Minimum grade of “C” in MA 92 or MA 82
An introductory non-calculus statistics course 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 may not take both MA 206 and MA 207 for credit.

MA 210–Calculus I (4)
- GenEd Mathematics
Prerequisite: Minimum grade of “C” in MA 111
Presents the first course in the three-semester calculus sequence (MA 210, MA 211, MA 212). Designed for students in mathematics, science, engineering, medical and other technical programs. Topics covered include: 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.

MA 211–Calculus II (4)
- GenEd Mathematics
Prerequisite: MA 210
Presents the second of three courses in the calculus sequence. Topics include methods and applications of integration, improper integrals, sequences and series, Taylor approximations, polar functions, introduction to differential equations.

MA 212–Calculus III (4)
- GenEd Mathematics
Prerequisite: MA 211
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.

MA 213–Differential Equations (3)
- GenEd Mathematics
Prerequisite: MA 211
Presents differential equations of order one; linear differential equations with constant coefficients; non-homogeneous equations with undetermined coefficients; variation of parameters; inverse differential operators; Laplace Transform; systems of differential equations; nonlinear equations; elementary applications.

MA 218–Linear Algebra (3)
- GenEd Mathematics
Prerequisite: MA 210
Includes systems of linear equations, determinants, vectors in 2- and 3-space, vector spaces, linear transformations, eigenvalues and eigenvectors and applications.

MDA: Medical Assistant

MDA 101–Foundations of Medical Assisting I (2)
Prerequisite/Corequisite: MDA 109
This course introduces the professional responsibilities of the administrative and clinical medical assistant. Emphasizes interpersonal communication, records management, administrative responsibilities, financial administration and patient care activities for the physician's office.

MDA 102–Foundations of Medical Assisting II (2)
Prerequisite/Corequisite: MDA 109
This course introduces the theory and skills necessary for a clinical medical assistant. Skills include (but are not limited to): medical asepsis, knowledge and/or performance of blood borne pathogens/OSHA regulations, general patient care, assisting with patient care activities, position and measurement of vital signs, health histories.

MDA 104–Medical Assisting Clinical I (1)
Prerequisite: Grade of “C” or better in MDA 101
Provides supervised placement in a contracted facility for guided experience in application of knowledge and skill of basic administrative and clinical skills in a medical office. Emphasis is placed on enhancing competence in medical skills necessary for comprehensive patient care and strengthening professional communications and interactions.

MDA 109–Medical Terminology (3)
Prerequisite: EN 52 or ESL 99
Teaches the basic principles of building and defining medical words. Students use techniques learned to develop an extensive medical terminology vocabulary. No previous knowledge of anatomy, physiology or pathology is necessary.

MDA 112–Medical/ Administrative Office Applications (3)
Prerequisite: OS 101 or OS 116D
Covers the general flow of information in a medical office and prepares students to handle administrative tasks in health care practices. Students will use a widely accepted medical administrative software package to input patient information, prepare reports, schedule appointments, and handle billing. Students will be expected to manage insurance forms both manually (in paper form) and electronically.

MDA 201–Medical Assisting Laboratory Procedures (4)
Prerequisite: BI 55 and grade of “C” or above in MDA 102
Introduces the basic routine laboratory skills and techniques required for assisting with patients in the medical office. Emphasizes laboratory activities and responsibilities of the medical laboratory technician for a physician's office. Skills include (but are not limited to): collection, handling, and examination of laboratory specimens and phlebotomy procedures according to OSHA regulations. Students are required to complete a minimum of 32 hours of clinical work in a physician's office.

MDA 202–Medical Assisting Clinical Skills (4)
Prerequisite: MDA 201
Presents proper clinical techniques and theory behind each technique. Provides hands-on experiences with the clinical skills required for assisting with patient care. Skills include (but are not limited to): patient preparation for selected diagnostic and minor surgical procedures, electrocardiograms, autoclave, and spirometry. Students are required to complete a minimum of 32 hours of clinical work in a physician's office.

MDA 204–Medical Assisting Clinical II (2)
Prerequisite: Grade of “C” or better in MDA 201 and MDA 202
Provides students with supervised patient-care experience in the medical office. Emphasis is placed on enhancing competence in clinical and laboratory skills necessary for comprehensive patient care and strengthening professional communications and interactions.

MDA 210–Medical Transcription (3)
Prerequisite: MDA 109
Emphasizes medical transcription, medical office management skills, and completion of routine tasks performed in the medical office. Throughout the course, medical terminology and communication skills are reinforced using simulated office experiences.

MDA 216–Introduction to Medical Coding (3)
Prerequisite: MDA 112
Introduces the structure and conventions of diagnostic ICD (International Classification of Diseases) and procedural CPT (Current Procedural Terminology) coding. Covers a variety of medical specialties and coding issues encountered in healthcare providers offices. Broaders medical coding knowledge and enhances medical coding skills with hands-on simulations using a widely accepted medical coding software package.

Medical Billing and Coding (CAH) (Continuing Education/Noncredit)

CAH 429–Medical Billing and Coding
This combined billing and coding course offers the skills needed to solve insurance billing problems, how to manually file claims (using the CPT and ICD-9 manual), complete common insurance forms, trace delinquent claims, appeal denied claims and use generic forms to streamline billing procedures. The course covers the following areas: CPT (Introduction, Guidelines, Evaluation, and Management Specialty Fields such as Surgery, Radiology, and Laboratory), ICD-9 (Introduction and Guidelines) and basic claims process for medical insurance and Third Party Reimbursements. Students will learn how to find the service and codes using manuals (CPT, ICD-9, and HCPCS).
MU: Music

MU 101—Introduction to Music History & Appreciation (3)
- GenEd Arts and Humanities/Arts
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Presents a study of music masterpieces of the past and present through reading, listening and analysis.

MU 103—Fundamentals of Music (3)
- GenEd Arts and Humanities/Arts
Covers the basic elements of music for the interested student or prospective classroom teacher. Includes study of musical notation, terminology, major and minor scales, simple and compound meters, familiarity with the piano keyboard, intervals, triads, sight-singing, ear-training and simple dictation.

MU 104—Music Listening & Literature I (3)
- GenEd Arts and Humanities/Arts
A continuation of MU 104, with musical works selected from the genres of oratorio, chamber music, symphonic literature and program music. Includes the core work from each genre with appropriate spin-off works to enhance understanding of the genre. Offers insights into compositional techniques, musical meanings, expressive musical elements and the relationship of the composer to society. Includes some nomenclature, elementary theory and music reading.

MU 105—Music Listening & Literature II (3)
- GenEd Arts and Humanities/Arts
A continuation of MU 105, with musical works selected from the genres of concerto, opera, oratorio and suite, along with twentieth-century styles.

MU 106—Aural & Keyboard Skills I (1)
Prerequisite: MU 103
Converts theoretical knowledge into practical application through sight-singing, ear-training, keyboard work 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, cadences, harmonization and figured bass.

MU 107—Aural & Keyboard Skills II (1)
Prerequisite: MU 106
A continuation of Aural and Keyboard Skills I, coordinated with material presented in Music Theory II, including more difficult triad types and seventh chords, non-harmonic tones, part-singing, syncopated rhythms, cadences, harmonic progressions and modulations.

MU 111—Music Theory I (3)
- GenEd Arts and Humanities/Arts
Prerequisite: MU 103
Presents a study of diatonic harmony through four-part writing and analysis of music. Includes sight-singing, rhythmic and melodic dictation. Private instruction is recommended concurrently.

MU 112—Music Theory II (3)
- GenEd Arts and Humanities/Arts
Prerequisite: MU 111
A continuation of Theory I, with more advanced harmony. Introduces contrapuntal technique. Offers more advanced dictation skills, beginning composition using course skills.

MU 117-118—Choral Ensemble I (2,2)
Prerequisite: MU 117
Presents a variety of choral literature as the basis for study and presentation. Three rehearsal hours weekly. Open to all students.

MU 119-120—Jazz Ensemble I (2,2)
Prerequisite: Permission of instructor
Presents great jazz literature as the basis for study and presentation. Three rehearsal hours weekly. Applied music in chosen instrument recommended concurrently.

MU 121-122—Orchestral Ensemble I (2,2)
Prerequisite: Permission of instructor
Presents great orchestral music of the Baroque, Classical, Romantic and/or Contemporary musical eras. Applied music in chosen instrument recommended concurrently. Students participate as members of the Frederick Orchestra. Two rehearsal hours weekly.

MU 123-124—Wind Ensemble I (2,2)
Prerequisite: Permission of instructor
Presents a variety of wind ensemble literature as the basis for further study and presentation. Three rehearsal hours weekly. Applied music instruction in chosen instrument recommended concurrently.

MU 141—Class Voice I (1)
Prerequisite: MU 141
Offers class instruction in singing with emphasis on basic techniques of voice production, including correct breathing, posture, vowel production and vocal problems. Repertoire will be studied. Open to beginners. One class hour per week.

MU 142—Class Voice II (1)
Prerequisite: MU 142
A continuation of Class Voice I, including more advanced techniques of vocal production and technique. Repertoire from classical, folk and Broadway styles included.

MU 151—Class Piano I (1)
Prerequisite: MU 151
Offers beginning piano study in a classroom-lab setting. An electronic piano is available for class use. Includes basic keyboard and musicianship skills, including selected elementary pieces. Enrollment is limited to ten people.

MU 152—Class Piano II (1)
Prerequisite: MU 152
A continuation of the material presented in Class Piano I. Explores elements of theory, technique and improvisation. Topics include major and minor scale building, harmonizing scale degrees, accompaniment patterns, cadences and more. Includes solo and ensemble pieces and standard scale fingerings.

MU 171—Class Strings I (1)
Offered first semester for beginning students. One hour weekly.
MU 251—Class Piano III (1)
Prerequisite: MU 252
A continuation of the material presented in Class Piano II. Students will work on greater hand independence and facility, arpeggios, chord progressions, new types of scales and secondary dominants. Includes a study of easy classics.

MU 252—Class Piano IV (1)
Prerequisite: MU 251
A continuation of Class Piano III, emphasizing development of a greater repertoire and enhancement of performance skills. Students become more fluent in hand control, rhythmic ability and accompaniment patterns. Includes a study of standard national and holiday pieces, as well as additional drills in functional piano playing.

MU: Applied Music Courses

First Year Courses
Fall Semester
MU 172 First Year Piano (1,2)
MU 174 First Year Voice (1,2)
MU 178 First Year Brass (1,2)
MU 180 First Year Woodwinds (1,2)
MU 182 First Year Strings (1,2)
MU 184 First Year Guitar (1,2)
MU 186 First Year Percussion (1,2)

Spring Semester
MU 173 First Year Piano (1,2)
MU 175 First Year Voice (1,2)
MU 179 First Year Brass (1,2)
MU 181 First Year Woodwinds (1,2)
MU 183 First Year Strings (1,2)
MU 185 First Year Guitar (1,2)
MU 187 First Year Percussion (1,2)

Second Year Courses
All second-year courses carry a prerequisite of corresponding first-year courses.
Fall Semester
MU 272 Second Year Piano (1,2)
MU 274 Second Year Voice (1,2)
MU 278 Second Year Brass (1,2)
MU 280 Second Year Woodwinds (1,2)
MU 282 Second Year Strings (1,2)
MU 284 Second Year Guitar (1,2)
MU 286 Second Year Percussion (1,2)

Spring Semester
MU 273 Second Year Piano (1,2)
MU 275 Second Year Voice (1,2)
MU 279 Second Year Brass (1,2)
MU 281 Second Year Woodwinds (1,2)
MU 283 Second Year Strings (1,2)
MU 285 Second Year Guitar (1,2)
MU 287 Second Year Percussion (1,2)

Description of Applied Music Courses
1. Thirteen half-hour lessons for one credit, thirteen hour lessons for two credits. Instruction includes technique, theory, style, interpretation and performance of selected literature.
2. Two repertoire and performance classes each semester, conducted by a member of the applied music faculty. Student performers are selected at the discretion of the faculty. Specific dates for the classes are announced at the beginning of each semester. Attendance is required of students registered for college credit. Students failing to meet the attendance obligation or an approved alternative are penalized one letter grade. Students registered for college audit are welcome and encouraged to attend.
3. Jury examination to be held on the last Saturday of the semester and to be regarded as the final exam. Students perform for the applied music faculty one composition they have studied during the semester. Jury exam times are made by appointment. Students in their first semester of applied music study are exempt from the jury exam requirement.
4. A student recital is to be held at the end of each semester. Participants are selected at the discretion of the faculty.
5. Additional instructor fee: see fee schedule in the credit schedule.

NM: Nuclear Medicine

NM 100—Physics for Nuclear Medicine Technology (3)
Prerequisites: CH 101, MA 111, MA 206, BI 103, BI 104, CS 101, PY 101 with a grade of "C" or better
Introduces the atom and its structure within the context of nuclear medicine. Includes topics in radioactivity, modes and kinetics of radioactive decay, and radiation detection and protection.

NM 101—Nuclear Medicine Technology I (4)
Prerequisites: NM 100, NM 103
Introduces the concepts of nuclear medicine. Includes radiation physics, radiation detection, instrumentation, and clinical applications of radionuclides.

NM 102—Nuclear Medicine Technology II (4)
Prerequisites: NM 100, NM 103
Orientation to clinical nuclear medicine, includes medical terminology, professional ethics and conduct, patient care, and radiation safety.

NM 103—Nuclear Medicine Techniques I (3)
Prerequisites: CH 101, MA 111, MA 206, BI 103, BI 104, CS 101, PY 101 with a grade of "C" or better
Provides materials related to clinical procedures, instrumentation, diagnostic computer systems, and advanced imaging techniques, including tomography.

NM 104—Nuclear Medicine Technology I (2)
Prerequisites: NM 101, NM 102, NM 105
Directed practice in a clinical affiliate hospital. Emphasizes routine diagnostic and therapeutic procedures. Daily image critiques by a licensed/certified technologist. On-site lectures by board certified nuclear medicine physicians supplement clinical experiences.

NM 105—Nuclear Medicine Techniques II (3)
Prerequisite: NM 100, NM 103
Focuses on clinical procedures, instrumentation, diagnostic computer systems, and advanced imaging techniques, such as SPECT. This course will provide a basic review of A&P and pathology of various organs and systems.

NM 106—Nuclear Medicine Instrumentation (2)
Prerequisite: NM 101, NM 102, NM 105
Introduces nuclear medicine and radiation detection instrumenta-
tion. Covers gas-filled detectors and basic scintillation detectors as well as gamma spectroscopy. Covers the design, operation and quality control of these instruments. Discusses quality control procedures that must be performed to test equipment for accurate function.

NM 201—Medical Radiobiology (2)
Prerequisite: NM 104, NM 106
Offers comprehensive coverage of the effects of radiation in living organisms. Discusses the difference between stochastic and nonstochastic effects of radiation. Discusses the effects of radiation at the subcellular and cellular levels, progressing through the effects of radiation on the whole organism, and culminates in the medical application of ionizing radiation.

NM 202—Clinical Nuclear Medicine Technology II (3)
Prerequisite: NM 104, NM 106
Provides directed practice in a clinical affiliate hospital/imaging center. Students will develop their individual clinical techniques. Daily imaging critiques by licensed/certified technologists and on-site lectures by board certified nuclear medicine physicians supplement clinical experiences.

NM 203—Radiopharmacy and Radiation Chemistry (2)
Prerequisite: NM 104, NM 106
Presents basic skills necessary for the operation of a radiopharmacy. Includes production of radionuclides, FDA approval, quality control, adverse reactions, and transportation of radiopharmaceuticals.

NM 204—Clinical Nuclear Medicine Technology III (4)
Prerequisite: NM 201, NM 202, NM 203
Provides directed practice in a clinical affiliate hospital/imaging center. Students continue to develop their individual clinical techniques and create a clinical procedures manual. Daily imaging critiques by licensed/certified technologists and on-site lectures by board certified nuclear medicine physicians supplement clinical experiences.

NM 205—Professional Development in Nuclear Medicine (1)
Prerequisite: NM 201, NM 202, NM 203
Prepares students for their board certification exam. Teaches students how to develop a resume and prepare for an interview.
NU: Nursing

NU 50—Preparation for Nursing (0) [1]
Offers a basis for developing proficiency and accuracy in dosage calculations. Teaches computations of oral and parenteral medications for adults and children using the apothecaries, metric and household systems. Includes an introduction to pharmacology.

NU 51—Transition to Registered Nursing—Introduction to Clinical Nursing (0) [2]
Prerequisite: Permission of director of nursing education
Presents basic concepts of the practice of registered nursing for the licensed practical nurse who has been accepted into the LPN transition program. The Neuman Systems Model is used as a framework for client care in the lectures, campus labs, and clinical setting. Offered in summer session only.

NU 52—Transition to Registered Nursing—Reproductive Health Nursing (0) [1]
Prerequisite: NU 51
Presents the study of childbirth and alterations in female reproductive health in the family client system for the LPN who is a student in the LPN transition program. The Neuman Systems Model is the framework for the study of family client system care in seminars, in the campus laboratories, and in acute-care settings.

NU 54—Transition to Registered Nursing—Medical-Surgical Nursing I (0) [3]
Prerequisite: NU 51
Presents the study of adult client systems with acute and chronic alterations in wellness for the licensed practical nurse who is a student in the LPN transition program. The Neuman Systems Model is the framework for the study of client care in the seminars, in the campus laboratories, and in the acute and rehabilitative facilities. Offered in the summer session only.

NU 100—Success Tools for Nursing (2)
Prerequisite: Admission into the nursing (PN or RN) clinical component
Corequisite: NU 101
Assists the beginning nursing student in developing successful study and test-taking skills. Assignments and classroom activities are designed to encourage the development of critical thinking skills required in nursing classroom and clinical settings.

NU 101—Introduction to Clinical Nursing (6)
Prerequisites: BI 103, BI 104, BI 120, passing score on nursing dosage calculations exam
Introduces concepts of professional nursing. The Neuman Systems Model is the framework for the study of client care in the lectures, in the campus laboratories, and in the subacute and long-term care facilities.

NU 210—Reproductive Health Nursing (3)
Prerequisite: NU 101
Introduces the study of childbirth and alterations in reproductive health in the family system. Normal conditions and complications of childbirth and female reproduction are addressed. The Neuman Systems Model is the framework for the study of family client system care in lectures, in the campus laboratories, and in acute and community settings.

NU 211—Medical-Surgical Nursing I (7)
Prerequisite: NU 101
Introduces the study of adult client systems with acute and chronic alterations in wellness. The Neuman Systems Model is the framework for the study of client care in the lectures, in the campus laboratories, and in the acute and rehabilitative facilities.

NU 212—Medical-Surgical Nursing II (4)
Prerequisites: NU 210, NU 211
Continues the study of adult clients with acute and chronic alterations in wellness. The Neuman Systems Model is the framework for the study of client care in the lectures, in the campus laboratories, and in the acute and perioperative settings.

NU 213—Medical-Surgical Nursing III (4)
Prerequisites: NU 212, NU 214
Involves the student in the nursing care of clients with life-threatening situations or complex health problems. Focus moves from maintenance and promotion of health to utilization of emergency measures, monitoring devices and life-support equipment. Clinical experiences are provided in hospitals, nursing homes and various community health care settings.

NU 214—Psychiatric/Mental Health Nursing (4)
Prerequisites: NU 210, NU 211
Introduces the study of adult, child and adolescent client systems experiencing acute and chronic alterations in mental health. The Neuman Systems Model is the framework for the study of client care in the seminars, in the campus laboratories, and in the acute and community settings.

NU 215—Nursing Care of Children (3)
Prerequisites: NU 212, NU 214
Introduces the study of pediatric client systems experiencing acute alterations in wellness. The Neuman Systems Model is the framework for the study of client care in the lectures and in acute care settings.

NU 216—Preparation for Practice (2)
Prerequisites: NU 212, NU 214
Introduces current trends in nursing practice and leadership. Facilitates the graduate’s entry into nursing practice at the generative level. The Neuman Systems Model is the framework for the study of nursing issues and leadership in the classroom and the management practicum.

LA: Paralegal

LA 100—Introduction to Law (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Presents an overview of 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.

LA 103—Ethics for the Legal Professional (3)
Prerequisite or Corequisite: LA 100
Concentrates on the ethical responsibilities that have been established by statutes, court 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.

LA 104—Contracts (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
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.

LA 105—Torts (3)
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Covers the fundamental principles of tort law. Includes intentional torts, negligence, and strict liability. Examines the various types of damages that can be awarded and what needs to be established to collect such damages.

LA 106—Law & Technology (3)
Prerequisites: LA 100, CIS 103A
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.

LA 110—Legal Research (3)
Corequisite: LA 100
Offers working knowledge of techniques of legal research. Includes assigned problems in legal research and basic knowledge of Shepard’s Citation, West’s Digest System and Key Numbers; American Law Reports; legal periodicals; federal and state statutes, legislative history resource materials; and other legal research tools. Stresses proper citation forms, along with briefing of cases and memo preparation. Includes the use of computers in legal research.

LA 120—Legal Writing & Documents (3)
Prerequisites: EN 101, LA 110
Offers working knowledge of techniques of legal writing in the preparation of legal documents. Specifically for the legal assistant, course covers various types of legal documents including leases, contracts, wills, memoranda, pleadings, trial briefs, legal correspondence and legislative drafting.

LA 210—Estate and Probate (3)
Prerequisite: LA 100
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.
LA 220—Evidence & Procedure (Civil) (3)  
Prerequisite: LA 100  
Covers rules governing the admission of evidence at a trial or administrative proceeding. Considers both federal and Maryland law. Explores procedural aspects of civil actions.

LA 230—Law of the Real Estate Business (3)  
Prerequisite: LA 100  
Reviews the essentials of real estate law and the processes and procedures for which the paralegal is responsible, including discussion of landlord/tenant matters; easements and covenants; analysis of real estate contracts; types and sources of mortgage financing; ordering title work; preparation of closing documents; settlement statements; closing; and coordination of closing.

LA 240—Family Law (3)  
Prerequisite: LA 100  
Develops skills necessary to become an effective legal assistant/paralegal working with family law matters. Explores the fundamentals of family law including: the regulation of marriage; law of divorce; annulment and legal separation; child custody and support; children of unmarried parents; child abuse and neglect; domestic violence; and adoption.

PH: Philosophy

PH 101—Introduction to Philosophy (3)  
- GenEd Arts and Humanities/Humanities  
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99  
Surveys the major intellectual problems faced by great philosophers of all ages.

PH 204—World Religions (3)  
- GenEd Arts and Humanities/Humanities; Cultural Competence  
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99  
Introduces the historical background, beliefs, scriptures and practices of the world's major religious traditions including Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, Shintoism, Judaism, Zoroastrianism, Christianity and Islam.

PH 205—Ethics (3)  
- GenEd Arts and Humanities/Humanities  
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99  
Introduces the problems and possibilities of moral philosophy and ethical decision making.

PH 206—Logic (3)  
- GenEd Arts and Humanities/Humanities  
Prerequisite: EN 52 or ESL 99  
Introduces basic problems in the use of logic and language. Improves the use of language and sound principles of reasoning.

PH 207—Biomedical Ethics (3)  
GenEd Arts and Humanities/Humanities  
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99  
Explores some of the most troubling problems that health care professionals, physicians and lawyers as well as individual patients and their families are called upon to solve. Examines principles in biomedical ethics, as well as general ethical theories in major problem areas, including euthanasia and prolongation of life, genetic intervention, behavior control, experimenting with human subjects, etc.

PH 208—Business Ethics (3)  
- GenEd Arts and Humanities/Humanities  
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99  
Introduces business ethics. Clarifies moral obligations and ethical dilemmas for managers who make business decisions.

PH 209—Environmental Ethics (3)  
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99  
Identifies the most troubling ethical dilemmas in the field of environmental protection and explores the applicability of traditional ethical theories in areas such as the depletion of non-renewable resources, population growth, responsibilities to the non-human world, responsibilities to future generations and environmental cost/benefit analysis.

PE: Physical Education

PE 108—Body Mechanics (1)  
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.

PE 126—Fitness and Conditioning (1)  
Introduces through participation the importance of physical conditioning and various ways to achieve it.

PE 127—Bowling (1)  
Provides orientation, instruction and participation in specific bowling skills, rules, and etiquette of the sport.

PE 131—Aerobics (1)  
Offers muscular and cardiovascular endurance exercises performed to music.

PE 153 Introduction to Physical Education (3)  
Theory course for physical education majors. Includes an orientation to the profession, including the relationship of physical education to education, current trends and practices, career opportunities and areas of research.

PE 154—Fitness for Living (3)  
- GenEd Interdisciplinary & Emerging Issues/Wellness  
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99  
Covers the components of physical fitness, stress, care of the back, nutrition and weight control. Evaluations in all areas included through laboratory experiences.

PE 160—Elementary Fencing (1)  
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.

PE 161—Psychology of Sport (3)  
An exploration of the personality factors, including, but not limited to, motivation, aggression and emotion as they affect sports participation and motor skill performance.

PE 165—Volleyball (1)  
Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

PE 166—Weight Training (1)  
Provides orientation, instruction and participation in specific weight training skills, rules, safety and etiquette of the sport.

PE 172—Racquetball (1)  
Orientation, instruction, and participation in specific skills (racquetball), rules, and etiquette of the sport.

PE 173—Backpacking (1)  
Includes buying and selecting the proper equipment, clothing and meals; campsite selection; setup; and enjoying the outdoors in relative comfort. Suitable for a beginner who wants to learn camping or a current backpacker wishing to refine basic skills. Includes a three-day backpacking trip. Extra fees required.

PE 174—Basic Canoeing (1)  
Covers the basics of canoeing. Includes paddling techniques, equipment, water reading safety and logistics. Features flat water, moving water and white water. By the end of the course, student will be certified in Class II white water. Extra fees required.

PE 175—Mountaineering (1)  
Presents basic skills of rock climbing and mountain climbing. Includes instruction on equipment, its care and purchase, tie-ins, anchors, belaying, ascending and descending and rappelling. Includes field experiences. Extra fees required.

PE 177—Karate I (1)  
Introduces the Korean art of Tae Kwon Do. Students learn the basic kicks, punches, stances and form of this popular martial art as well as be introduced to the rules of behavior and code of conduct of the form. Students will also learn basic self-defense strategies.

PE 178—Karate II (1)  
Prerequisite: PE 177  
A continuation of Karate I. Introduces more advanced techniques of Tae Kwon Do. Includes advanced hand and foot techniques and practical application of Hap Ki Do self-defense.

PE 179—Tennis (1)  
Presents orientation, instruction and participation in specific skills, rules and etiquette of the sport.

PE 181—Golf (1)  
Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport. Extra fees required.

PE 182—Golf II (1)  
Prerequisite: PE 181  
Provides instruction in maintaining a consistent golf swing. Teaches advanced golf shots, correction of golf swing flaws, and techniques of reading greens. Extra fees required.
PE 183—Beginning Snowboarding/Skiing (1)
Introduces the regulations, safety and etiquette of snowboarding/skiing. The beginner student will learn skills required to safely traverse the beginner slopes. Fees based on actual rental costs and to be paid at site.

PE 184—Intermediate Snowboarding/Skiing (1)
Introduces the regulations, safety and etiquette of snowboarding/skiing. The intermediate student will learn the enhanced techniques to improve their current skill levels. Fees based on actual rental costs and to be paid at site.

PE 185—Advanced Snowboarding/Skiing (1)
Introduces the regulations, safety and etiquette of snowboarding/skiing. The advanced student will learn the enhanced techniques to improve their current skill levels. Fees based on actual rental costs and to be paid at site.

PE 187—Social Dance (1)
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.

PE 188—Yoga (3)
Provides a holistic approach to understanding some of the fundamental principles and philosophies of yoga while also providing a weekly experiential Hatha (physical) practice.

PE 190—Pilates (1)
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.

PE 192—Disc Golf (1)
Orientation, instruction and participation in specific skills (Disc Golf), rules, and etiquette of the sport. Similar to golf, the object of disc golf is to complete each hole in as few throws (or strokes) as possible. Instead of using golf clubs and a golf ball, disc golfers use a flying golf disc to traverse the hole. Each hole starts with a teeing area and is completed once the disc lands in the “hole,” which is a disc-catching target.

PE 193—Social Dance II (1)
Prerequisite: PE 187 or permission of instructor
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.

PE 236—Coaching Principles (3)
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.

PE 240—Methods of Golf (1)
Includes orientation, instruction and participation in specific golf skills, rules and etiquette of the sport. Includes teaching techniques for use in schools and recreational programs.

PE 241—Methods of Fitness and Conditioning (1)
Introduces through participation the importance of physical conditioning and the various ways to achieve it. Includes teaching techniques for use in schools and recreational programs.

PE 247—Methods of Weight Training (1)
Orientation, instruction and participation in specific weight-training skills, rules, safety and etiquette of the sport. Includes teaching techniques for use in schools and recreational programs.

PC: Physical Science

PC 103—Elements of Physical Science (3)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
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 PC 103 and PC 114.

PC 104—The Water Planet: Introduction to Oceanography (3)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
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.

PC 105—Introduction to the Science of Weather (3)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Surveys the basic physics of the atmosphere and the diagnostic tools of the meteorologist. Includes some discussion of applied meteorology, forecasting, pollution, aviation and agriculture. Students cannot get credit for both PC 105 and PC 106.

PC 106—Introduction to Meteorology (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Surveys the basic physics and chemistry of the atmosphere and applies the diagnostic tools of the meteorologist. Includes some discussion of applied meteorology, forecasting, pollution, and climatology. This course includes a lab. Students cannot get credit for both PC 106 and PC 105.

PC 107—Introductory Astronomy (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 92
Presents a survey of astronomy that includes a study of the physical nature of the universe, the solar system, stars, nebulae and galaxies. The laboratory includes sky observations for collection and analysis of data, photographic analysis and laboratory experiments.

PC 108—Historical Geology (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Traces the evolution of the earth and life through time. Presents scientific theories of the origin of the earth and life. Provides students with the tools to interpret the rock and fossil record. Saturday field trips focus on the geologic history of Maryland and Virginia.

PC 110—Physical Geology (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Presents an introduction to the physical and chemical processes that shape the surface of the earth. The laboratory includes rock and mineral identification, map construction and interpretation, analysis of geophysical data and local field studies.

PC 114—Contemporary Physical Science (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Presents basic principles of physics and chemistry as they relate to our modern technological society. An activities-oriented approach is used that focuses on model building. These models are developed as a method of building both conceptual and quantitative understandings of the physical world. Students cannot receive credit for both PC 114 and PC 103.

PC 115—Introduction to Geoscience (4)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Presents an overview of the solid and fluid parts of the earth system and investigates their interactions with human culture and society. The course follows a constructivist approach to learning.

PC 121—Energy and Society (3)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
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.

PY: Physics

PY 101—Survey of Physics (3)
- GenEd Science
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99, and MA 82 or MA 91
Gives students a general background in physics and prepares those who must take a two-semester physics course who have not had high school physics.
PI 104—American Government: National (3)
- GenEd Social & Behavioral Sciences/Political Science
Prerequisite: EN 52 or ESL 99
Covers basic principles of the national government: structure, powers and operations of Congress, the presidency and the Supreme Court, citizenship, elections, political parties and pressure groups.

PI 105—American Government: State and Local (3)
- GenEd Social & Behavioral Sciences/Political Science
Prerequisite: EN 52 or ESL 99
Presents a study of the function and problems of state and local government in the United States, with illustrations from Maryland jurisdiction.

PI 206—Civil Liberties (3)
Prerequisite: EN 52 or ESL 99
Provides historical background, social and political issues and leading cases establishing the present rules regarding civil liberties today.

PI 220—Africa Today (3)
- GenEd Interdisciplinary & Emerging Issues/Multicultural Issues & Perspectives; Cultural Competence
Prerequisite: EN 52 or ESL 99
Examines contemporary Africa, including issues of representative government, state-building, civil war, human rights, ethnic identity, and changing cultures, economic development, and foreign relations. Select countries will be studied in-depth to illustrate key challenges facing the continent.

PN: Practical Nursing

PN 112—Nursing Throughout Developmental Stages (8)
Prerequisites: NU 210, NU 211
Corequisite: PN 113
Prepares practical nursing students to provide care for adult and pediatric clients systems with commonly recurring physiological, psychological and developmental health problems. The Neuman Systems Model is used as the framework for the course. Supervised clinical experiences on medical-surgical and pediatric units in the hospital as well as observation in community-based centers are provided.

PN 113—Issues in Practical Nursing (1)
Prerequisites: NU 210, NU 211
Corequisite: PN 112
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.

Allied Health (Continuing Education/Noncredit)

CAH 132—Certified Nursing Assistant Part II: Theoretical Applications
Part II is a continuation of Theoretical Applications Part I.

CAH 114—Clinical Practicum

CAH 230—Introduction to Medical Billing
Gain the knowledge and skills needed to work in a medical office as an entry-level billing clerk. Introduces student to the basics of medical billing and office scheduling. Utilizes popular software computer programs to perform the essential processes of scheduling and billing.

CAH 231—Medical Coding
Prepares student to sit for the American Academy of Professional Coders (AAPC) national certification test. Learn medical terminology for the first 20 hours of the courses to become familiar with the language used in the industry. Learn how to find the service and codes using coding manuals: CPT, ICD-9, and HCPCS. Included in the course, student will receive first year’s membership to the AAPC, textbooks, and certification testing.

CAH 428—Pharmacology Technician
Prepares you to enter the pharmacy field and to prepare them to sit for the Pharmacy Technician Certification exam. Includes medical terminology specific to pharmacy, reading and interpreting prescriptions and defining drugs by generic and brand names. Learn dosage calculation, I.V. flows, drug compounding, dose conversions, and dispersing of prescriptions, inventory control, billing and reimbursement.

CAH 431—Physical & Occupational Therapy
This course is designed to provide you with the basic theory and hands-on applications involved in the field of physical and occupational therapy as they relate to the patient care technician, therapy aide and the occupational therapy aide. You will perform basic procedures required of physical and occupational therapy aides and identify various therapeutic modalities used in both physical and occupational therapy.

CAH 456—Phlebotomy Technician
Prepares student to collect blood specimens from clients for the purpose of laboratory analysis. Become familiar with all aspects related to blood collection and develop comprehensive skills to perform venipunctures completely and safely. Classroom work includes terminology, anatomy and physiology. Prepares student to take the American Society of Clinical Pathologists exam. The Phlebotomy training is a comprehensive course, which concentrates on theory and hands-on lab training in intravenous therapy. Topics to be covered include infusion methods, fluids and electrolytes, equipment and assembly, and intravenous puncture. Innovative teaching strategies will be utilized to enhance adult learning. Requirements: Evidence of a negative TB test or chest X-ray and physical exam within the last six months must be provided at the first classroom session and completion of the college’s reading comprehension test with a minimum score of EN S2 on the Accuplacer or 99 on the ESL test. Student must register for both classroom and both clinical sessions.
CAH 457—Phlebotomy Technician Clinical I
CAH 458—Phlebotomy Technician Clinical II
CAH 461—EKG Technician
A comprehensive course that presents all the essential concepts you need to master the skills of this challenging field. Prepares you to function as EKG/Cardiovascular Technicians and take a national EKG Technician Certification Exam.

CAH 472—Introduction to Dental Assisting/Oral Radiography
Gain the knowledge and skills needed to work in a dental office as an entry-level dental assistant, receptorist, front office assistant, or back office assistant. Topics include dental terminology: disease transmission, disinfection and sterilization, dental anatomy, dental records and charting, instrumentation, impressions and castings, radiation health and safety, insurance and billing, and front desk responsibilities. This course also provides x-ray training that qualifies you to sit for the Dental Assisting National Board (DANB) Radiation Health and Safety Examination. Dental assisting requires physical labor, moving throughout the office, prolonged standing, working in confined spaces, and close contact with the public. Successful candidates need to be in good health. Must be at least 18 years of age. High school diploma or GED required. Limited number of seats available.

CAH 473—Oral Radiography Techniques
For practicing dental assistants interested in setting up for the Dental Assisting National Board (DANB) Radiation Health and Safety Examination. Gain the knowledge and skill needed to take dental radiographs including full-mouth and bitewing x-rays. A working knowledge of oral anatomy, infection control, and dental terminology required. Topics include the proper placement of dental x-rays and radiation health and safety. Skills lab practice is included.

CAH 474—General Practice Expanded Functions
Learn to perform the skills approved by the Maryland State Board of Dental Examiners for general practice expanded functions. Student must have nine months experience working in a dental office and the employing dentist must verify employment. All theory is taught in a classroom setting and the clinical training will occur at the student’s place of employment. Content includes applying topical anesthetics, impressions, preparing and removing temporary crowns, placing and removing matrix strips, endodontic surgery, and attaching a crown. Successful candidates need to be in good health. High school diploma or GED required. Limited number of seats available.

CAH 475—Orthodontic Expanded Functions
Learn the concepts and skills approved by the Maryland State Board of Dental Examiners to function as an orthodontic assistant. Student must have nine months experience working in a dental office and the employing dentist must verify employment. All theory is taught in a classroom setting and the clinical training will occur at the student’s place of employment. Topics include dental terminology, tooth identification, force and torque, and distal movement. Successful candidates need to be in good health. High school diploma or GED required. Limited number of seats available.

CAH 476—Dental Assistant Externship
Practice, under professional supervision, the skills learned in the Introduction to Dental Assisting and Oral Radiography classes.
SAF 137—CPR: Healthcare Provider Renewal
Designed to upgrade the current Healthcare Provider to the new 2000 AHA guidelines. New information is provided on ventilation with an automated external defibrillator and barrier device, bag-valve mask device, and oxygen. You must present current AHA Healthcare Provider BLS/CPR card at the beginning of class, which cannot be more than 1 month past the recommended renewal date, and must have a student manual.

PS: Psychology

PS 101—General Psychology (3)
• GenEd Social & Behavioral Sciences/Psychology
Prerequisite: EN 52 or ESL 99
Emphasizes the major factors that influence human behavior, including behavioral neuroscience, perceptual processes, consciousness, intelligence, personality and psychological disorders.

PS 104—Issues of Drug/Alcohol Use (3)
Prerequisite: EN 52 or ESL 99
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.

PS 202—Social Psychology (3)
• GenEd Social & Behavioral Sciences/Psychology
Prerequisite: EN 52 or ESL 99
Examines 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.

PS 204—Psychology of Adolescence (3)
Prerequisite: PS 101
Explores physiological, psychological and social dilemmas of the adolescent. Considers relevant contemporary research and behavioral determinants.

PS 205—Psychology of Aging (3)
Prerequisite: EN 52 or ESL 99
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.

PS 206—Abnormal Psychology (3)
Prerequisite: PS 101
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.

PS 207—Death and Dying (3)
Prerequisite: EN 52 or ESL 99
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.

ED/PS 208—Human Growth & Development (3)
Prerequisite: EN 52 or ESL 99
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.

PS 209—Women’s Studies: A Multicultural Perspective on the Psychology & Sociology of Women (3)
• GenEd Interdisciplinary & Emerging Issues/Multicultural Issues
Prerequisite: EN 52 or ESL 99
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.

Real Estate (Continuing Education/Noncredit)

REA 203—Principles and Practices of Real Estate for Maryland
If you are planning to take the Maryland Real Estate Licensing Examination, you need this course. If you attend all of the classes and receive a 70% or better on the final examination, you will receive a certificate that enables you to take the state examination. 100% attendance will be required to earn the CEUs for this course. Textbooks are required for this course.

REA 206—Real Estate: Appraisal Standards and Ethics
This state-approved course is the final pre-licensure course designed to meet the requirements for real estate appraisal licensure and certification as required and approved by the Maryland Real Estate Appraisers Commission. Topics include state licensing and certification requirements, examination contents, federal and state laws and agencies, appraisal organizations, and uniform standards of professional appraisal practice. All hours of the course must be attended and course exam passed to receive class certification. Textbooks are required for this course.

REA 209—Real Estate: Principles of Appraising
This state-approved course is the first course in a series of three prelicensure courses designed to meet the requirement for real estate appraisal trainee licensure as required by the Maryland Real Estate Appraisers Commission. With an overall focus on the basics of appraisals, topics include appraisal ethics, economic principles, legal considerations, types of value, and influences on real estate values. Textbook required at first class is available at the Campus Bookstore. All hours of the course must be attended and course exam passed to receive class certification.

REA 221—Real Estate: Basic Appraisal Procedures
This state-approved course is the second in a series of three prelicensure courses designed to meet the requirement for real estate appraisal trainee licensure as required by the Maryland Real Estate Appraisers Commission. With an overall focus on the basics of appraisals, topics include appraisal process, methods to value land/site, understanding market data, and describing land/sites. Textbook required at first class is available at the Campus Bookstore. All hours of the course must be attended and course exam passed to receive class certification.

CPD 325—Home Inspection Training
The home inspection profession has grown rapidly over the last several years. More and more home buyers use home inspectors to evaluate the condition of their prospective purchases. Curriculum used in this training consists of several content modules, with component tasks in each module. Definitions, descriptions, inspection methods, and health and safety concerns are covered comprehensively. All hours of the course must be attended and course exam passed to receive class certification.

CPD 312—Mortgage Loan Officer Training
Join the boom in home purchase and refinancing by training to become a mortgage loan officer. This course is intended for those who are entering or seeking to acquire the new required credential in the mortgage-lending field. It meets the new 40 clock hour criteria for training mortgage originators who are employed by mortgage lenders or brokers. Approval is pending with the Maryland Commissioner of Financial Regulation of the Department of Labor, Licensing & Regulations. For more information regarding the new regulations, contact www.dllr.state.md.us/finance. The focus of this course is on loan origination, processing, underwriting, and closing, as well as different types of mortgages. Mortgage marketing will also be explored. A background in marketing or sales is a plus. Calculators use and early registration is required. This course is a live interactive distance learning class.

TRD 200—Maryland Home Improvement Contractors License Exam Prep
For individuals planning to sit for the MHIC exam. Covers laws, regulations, Home Improvement Law, Door-to-Door Sales Act, business & employee laws.

RC: Respiratory Care (RC)

RC 100—Introduction to Respiratory Care (2)
Prerequisite: BI 103
Introduces respiratory care as a profession, including the health care 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.
RC 102—Fundamentals of Respiratory Care (4)
Prerequisite: BI 103
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.

RC 103—Pharmacology (3)
Prerequisites: RC 102, RC 104, BI 104
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.

RC 104—Gas Exchange Physiology (2)
Prerequisite: BI 103
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.

RC 105—Cardiopulmonary and Renal Anatomy and Physiology (3)
Prerequisites: BI 104, RC 104
Emphasizes the structure and function of the pulmonary, cardiovascular and renal systems as they relate to respiratory therapy.

RC 107—Principles of Mechanical Ventilation (4)
Prerequisite: RC 102, BI 104
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 apply them via procedure competency testing and simulated clinical situations.

RC 109—Clinical Practicum I (2)
Prerequisites: RC 100, RC 102, RC 104, BI 104
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.

RC 110—Clinical Practicum II (2)
Prerequisite: RC 109
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.

RC 202—Neonatal and Pediatric Respiratory Care (3)
Prerequisites: RC 107, RC 110
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.

RC 203—Pulmonary Rehabilitation and Home Care (2)
Prerequisite: RC 208
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.

RC 204—Cardiac Monitoring and Diagnostics (4)
Prerequisites: RC 105, RC 110
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.

RC 205—Professional Seminar (2)
Prerequisite: RC 208
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.

RC 206—Pulmonary Diagnostics (2)
Prerequisites: RC 105, BI 104
Includes a detailed analysis of all major parameters of ventilatory measurement as well as diagnostic significance of deviations from predicted normal values.

RC 207—Cardiopulmonary and Renal Pathophysiology (3)
Prerequisites: RC 105, RC 208
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.

RC 208—Clinical Practicum III (2)
Prerequisite: RC 110
Develops advanced skills in the critical care environment regarding management of the patient dependent on mechanical ventilation. Practical experiences gained in hemodynamic monitoring. Students will rotate through operating rooms to observe thoracic and cardiovascular surgeries and intubations.

RC 209—Clinical Practicum IV (2)
Prerequisite: RC 208
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.

SO: Sociology

SO 101—Introduction to Sociology (3)
Prerequisite: EN 52 or ESL 99
Introduces the student to the study of society and the impact of society upon the individual. Examines social processes in cultural patterns and institutions. Examines group values at various levels of human relationship.

SO 102—Social Problems (3)
Prerequisite: EN 52 or ESL 99
Offers the study of community problems and sociological processes involved in the analysis of universal and local sociological phenomena.

SO 201—Criminology (3)
Prerequisite: EN 52 or ESL 99
Explores criminal behavior and the methods of its study, causation, types of criminal acts and offenders, punishment, correction and incarceration and prevention of crime.

SO 202—Marriage and Family (3)
Prerequisite: EN 52 or ESL 99
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 selection, marriage vows, marital prediction and child-rearing practices.

SO 206—Sociology of Childhood (3)
Prerequisite: EN 101
Explores children's lives through the concepts, methods and theoretical perspectives of sociology. Special emphasis is placed on the social, political, and economic contexts of childhood to generate critical analysis about the problems children face and what might be done to solve them.
### SD: Student Development

**SD 100—Career Assessment & Planning (3)**
Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97
Develops critical methods needed to make a satisfying career decision based on research and goal setting strategies that lead to personal and professional success. By the conclusion of the course, students acquire the skills needed to make informed choices about their education and career. Students evaluate their strengths, values, interests, and personality in order to identify possible career options. Students learn techniques for researching career options and making decisions about their future. Students also begin creating a learning/career portfolio upon which they can build throughout their college career.

**SD 102—A Multicultural and Global Society: First Year Seminar (3)**
- GenEd Interdisciplinary & Emerging Issues/Multicultural Issues & Perspectives, Cultural Competence
Prerequisites: EN 50 and EN 52 or ESL 94 and ESL 99
Promotes a skilled appreciation of multiculturalism and diversity in the modern world. Advances critical thinking skills through the exploration of multicultural contexts, problem solving, and community involvement. Emphasizes college as a cultural experience and preparation for a global, multicultural society.

**SD 103—College Survival Skills (1)**
Prerequisite: EN 51 or ESL 97
Promotes the successful transition of all students into college. Utilizes techniques to facilitate personal and interpersonal success of college students to solve problems, use college resources, and set goals. Uses individual student's background, community involvement, and current college experiences to teach course content.

**SD 112—Learning Strategies (2)**
Prerequisite: EN 52 or ESL 99
Emphasizes learning strategies for improving academic performance in college courses. Students learn how to select, monitor and evaluate learning strategies based upon analysis of individual strengths and weaknesses as learners. Instruction is closely linked to the demands of content area courses in which students are enrolled.

**SD 113—Portfolio Development: Assessment of Prior Learning (1)**
Prerequisite: EN 50A and EN 52 or ESL 95 and ESL 99
Provides the opportunity for students to examine past experiences, identify and clarify college-level learning within those experiences, and document the learning in a portfolio format suitable for assessment and the potential granting of equivalent course credit. The students will apply college-level learning gained from life experiences to specific courses offered by the college and related to their educational goals.

**SD 114—Job Search and Workplace Basics (1)**
Prerequisites: EN 50A and EN 52 or ESL 95 and ESL 99
Develops key strategies to help students find satisfying work. Techniques provided in the class assist students in drawing the connection between their employment objectives and what they have learned from their education and work experience. Topics include resume writing, interviewing, job search skills, and workplace basics.

**SD 115—Introduction to Career Planning (1)**
Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97
Introduces the career planning process, focusing on students abilities to assess their career planning needs and to plan appropriate actions. Emphasis is placed on assessing varied career resources, including the Internet.

### ST: Surgical Technology

**ST 100—Fundamentals of Surgical Technology I (6)**
Corequisite: ST 101
Introduces concepts, skills and attitudes needed by students to perform as members of a surgical team. Provides opportunities for job shadowing and observation of the surgical technologist's role. Simulated practice time in FCC's lab and in operating room settings along with didactic instruction prepare the student for the clinical practicum component of this course. The development of competency in basic skills is essential during this course.

**ST 101—Introduction to Surgical Technology (6)**
Corequisite: ST 100
Provides an overview of the functions of the surgical technologist in the perioperative environment. Develops the fundamental concepts and principles of microbiology, asepsis, pharmacology, anesthesia, ethical and legal considerations, patient care and teamwork. Application of concepts is augmented by small group discussions, job shadowing experiences, field trips, and guest speakers.

**ST 105—Clinical Practicum (5)**
Prerequisites: ST 100, ST 101, BI 103 or BI 115
Develops surgical technology skills introduced in ST 100. Proficiency to be demonstrated in selected skills during the perioperative phases of surgical procedures.

**ST 200—Fundamentals of Surgical Technology II (12)**
Prerequisite: ST 105
Provides the student with theory and practice related to the dynamic role of the surgical technologist. Preceptored clinical experiences will focus on aseptic technique, independence, speed, accuracy, critical thinking and patient safety as the student performs in the first scrub role.

### Vocational/Technical (Continuing Education/Noncredit)

**AUT 102—Autobody: Painting & Refinishing**
Prerequisites: Vet Assist I
This course consists of 15 classroom hours and 12 clinical hours. Topics covered include: an overview of the veterinary profession, office procedures, client relations, biology and exam room procedures.

**VET 101—Veterinary Assistant Training I: Outpatient Care**
Initial course consists of 21 classroom hours and 12 clinical hours. Topics covered include: laboratory, pharmacy, radiology and ultrasound imaging.

**VET 102—Veterinary Assistant Training II: Diagnostics & Pharmacy**
Prerequisites: Vet Assist I
This course consists of 15 classroom hours and 12 clinical hours. Topics covered are: veterinary assisting, pharmacy, radiology and ultrasound imaging.

**VET 103—Veterinary Assistant Training III: Patient Care and Treatment**
Prerequisites: Vet Assist I & II
Course consists of 18 classroom hours and 12 clinical hours. Topics covered are: inpatient care and clinical procedures.

**VET 105—Veterinary Assistant Training IV: Surgery, Anesthesia & Emergency Care**
This course consists of 21 classroom hours and 8 clinical hours. Topics covered are: anesthesia, surgery, emergency medicine and critical care. The course concludes with a wrap-up seminar day.
Academic Regulations

Classification of Students

A course load of 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 12 semester hours of credit taken in any combination of the various summer terms. Most curricula, however, require students to complete more than 12 hours each semester in order to graduate in two years. Students wishing to carry more than 12 hours of credit in the fall or spring must receive approval from their advisor. Students carrying more than 12 credit hours during summer session are required to obtain their advisor's approval. Audited courses do not count towards status.

Grading System

<table>
<thead>
<tr>
<th>Grade</th>
<th>Evaluation</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Passing</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>Withdraw</td>
<td>0</td>
</tr>
<tr>
<td>AU</td>
<td>Audit</td>
<td>0</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
<td>0</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
<td>0</td>
</tr>
<tr>
<td>Z</td>
<td>In Progress</td>
<td>0</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
<td>0</td>
</tr>
</tbody>
</table>

A grading system using "S" and "U" for some non-credit courses is used. A grade of "W" is recorded for students who drop a course during the published withdrawal period. See the academic schedules for specific dates. Faculty may not assign a grade of "W".

Incomplete

The grade of "I" (incomplete) is exceptional and must be arranged by the instructor. "I" is only given if work has been satisfactory, but because of illness or other extreme circumstances, a student does not satisfy the full course requirements. Students have eight weeks following the last day of classes for each semester to make up incomplete work, four weeks after the last day of classes for each summer session, two weeks after January term.

If the work is not completed in the prescribed time, the grade will automatically become an "F".

Audit

Students are welcome to register for academic courses on an audit basis. Courses taken for audit do not receive a grade or credit and do not satisfy course or program prerequisite and graduation requirements. Regular tuition and fees are charged when auditing a course. Audited courses do not count towards full-time status and do not fulfill prerequisites.

Courses can be changed from audit to credit up to the last day to add courses, and from credit to audit up to the last day of the withdrawal period of any semester.

Withdrawal from a Course

To withdraw in good standing from the college, students must complete a withdrawal form and submit it to the Welcome & Registration Center or withdrawal online at www.frederick.edu. Students may withdraw from the college up to and including the tenth week from the beginning of a 15-week course. See the academic schedule for specific dates for other courses. Forms are available from the Counseling & Advising Office and Welcome & Registration Center.

In-Progress

A notation of "Z" (in progress) may be given in certain courses when the full requirements are not satisfied and when an "I" is not appropriate. Departments may establish reasonable criteria for awarding of the "Z" notation.

Pass/Fail

A few select courses are offered on a pass/fail basis. Students taking courses on a pass/fail basis are allowed a maximum of 9 such credits to be counted toward their degrees. Pass/fail course credits are not computed in the student's overall grade point average (GPA).

Grade Change

Faculty may change a grade until the end of the semester following the semester in which the course was taken.

Grade Reports

Grade reports are available on the FCC Web site. Grades are not mailed to students except upon written request. Grades are posted approximately 48 hours after the last day of the session.

Repeating Courses

The higher grade of a repeated course will apply as the final grade and will be used in computing GPA and is indicated as RI. However, the repeated course and grade remains on the transcript and is indicated as "RP". If the two grades are the same, the last grade will count. Students who repeat a course for which they have received transfer credit will have the transfer credit removed. If a course is no longer offered, the grade cannot be replaced.

Grade Point Average (GPA)

Quality points are a numerical equivalent of grades (see grading system table). Grade point average is computed by multiplying the number value of the grade by the number of semester hours attempted, then dividing the number of quality points by the number of credits attempted.

For example, for five courses of three credits each with the following grades:

Two A's, one B and two C's

\[
\begin{align*}
A &- 4 \text{ quality pts. per 3 credit hrs.} = 12 \\
A &- 4 \text{ quality pts. per 3 credit hrs.} = 12 \\
B &- 3 \text{ quality pts. per 3 credit hrs.} = 9 \\
C &- 2 \text{ quality pts. per 3 credit hrs.} = 6 \\
C &- 2 \text{ quality pts. per 3 credit hrs.} = 6 \\
\text{Total of 45 quality points divided by 15 credit hours equals} & \quad 3.0 \text{ GPA.}
\end{align*}
\]

Academic Progress

Frederick Community College 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, in support of the student's development, periodically reviews the academic progress a student is making. The primary purpose of this review is to identify and assist students who are making little or no progress.

Academic Progress Review Standards

Students are expected to maintain minimum standards of academic achievement as indicated by both GPA and percentage of successfully completed credits.

The following grades represent successful completion of credit:

- "A", "B", "C", "D", "S", or "P"

The following grades represent unsuccessful completion of credit:

- "W", "I", "AU", "U", "Z", or "F"

All courses attempted by a student including developmental courses and courses in which a grade of withdraw, audit, incomplete, or in progress are included in Academic Progress Review.

All students enrolled as degree seeking, certificate seeking and Open Campus are subject to Academic Progress review; students who are enrolled under the admission classification of Courses of Open Campus are subject to Academic Progress Review. Students will be subject to Academic Progress Review after attempting a total of 12 cumulative credits.
**Academic Standings**

**Good Standing**—Students will be considered to be in good academic standing when their cumulative GPA is 2.0 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 2.0 and/or they have successfully completed less than 50% of their cumulative credits attempted.

a. While on Academic Alert, students will be required to meet with an advisor to develop an Academic Success Plan designed to provide the student with academic support to facilitate their success.

b. While on Academic Alert, students will be required to have their registration approved by an advisor.

c. 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 credits until final grades for the current semester have been posted; students who conclude the semester in Good Standing are then able to add additional credits to their semester schedule.

d. Students who demonstrate academic progress while on Academic Alert, as evidenced by achievement of a minimum 2.0 semester GPA and successful completion of at least 50% of semester credits attempted, will be allowed to continue on Academic Alert even though their cumulative GPA has not reached the required 2.0.

**Academic Probation**—Students on Academic Alert who fail to achieve a 2.0 semester GPA and/or who fail to successfully complete at least 50% of semester credits attempted are placed on Academic Probation.

a. While on Academic Probation, students will be required to meet with an advisor to develop an Academic Success Plan designed to provide the student with academic support to facilitate their success.

b. Students who are on Academic Probation must have their registration approved by an advisor and will be limited to enrollment in six credits.

c. 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.

d. Students who demonstrate academic progress while on Academic Probation, as evidenced by achievement of a minimum 2.0 semester GPA and successful completion of at least 50% of semester credits attempted, will be allowed to continue even though their cumulative GPA has not reached the required 2.0. Students will be assigned a standing of Academic Alert.

**Academic Suspension**—Students on Academic Probation who fail to achieve a 2.0 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 Janterm/summer session).

**Academic Dismissal**—Students are subject to Academic Dismissal when:

a. satisfactory progress is not made in the first semester upon his/her re-enrollment following Academic Suspension.

b. the student has been placed on Academic Suspension for a second occurrence.

Students who are subject to Academic Dismissal will be dismissed for a period of two semesters and any preceding Janterm/summer session.

**Extenuating Circumstances Resulting in Withdrawals**

Students with extenuating circumstances that resulted in a withdrawal from classes that negatively impacted academic standing, may appeal to the Associate Vice President, Student Development. Students must present written documentation substantiating the circumstances. The decision of the Associate Vice President will be final.

Appeals regarding extenuating circumstances that occurred after the withdrawal date must be submitted to the Admissions and Academic Policies Committee.

**Re-admission Following Academic Suspension**

Prior to re-enrollment, students who have been academically suspended must develop a plan to remediate his/her academic deficiencies and meet with an academic advisor. The advisor 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 (e.g., Learning Strategies, tutoring, etc.).

If approved the student will be placed on Academic Probation status upon their re-enrollment and their course load will be restricted until satisfactory academic progress is made.

If satisfactory progress is not made in the first semester upon his/her return, the student will be subject to Academic Dismissal.

**Change of Major**

Students who wish to change their major should consult with an academic advisor and complete the change of major form. The form is available online at www.frederick.edu and should be returned to the Welcome & Registration Center. Students who change their major will be placed in the current catalog year. Students who have transferred in credits should check the box on the form for re-evaluation.

**Course & Program Offerings**

Courses are offered at times considered most appropriate to their intended audiences. Because all programs are not offered during day and evening hours, students should review their curriculum to ensure that it is available at acceptable times.

Courses are offered in fall, January, spring and summer terms. There may be short sessions within the longer terms (e.g., 8-week, 5-week, 3-week sessions). The college also offers courses on Saturdays.

**Summer/January Semesters**

Students may accelerate their programs or reduce course loads in other semesters by enrolling in summer or January classes. FCC offers 3-week, 5-week, 6-week, 7-week, and 8-week sessions during June, July and August. A two-week January term is also available. Admission procedures for summer and January classes are the same as for regular semesters.

**Weekend Classes**

The college offers courses on the weekend in two formats. Some courses are offered over a 15-week period with shorter session times. Other courses are offered in a fast track format. Fast track courses meet seven or eight consecutive weekends with longer session times. The college offers two consecutive fast track terms during a 15-week semester, which provides the opportunity to complete two or more courses on the weekends during a semester by enrolling in consecutive seven- or eight-week terms. Students should consult the academic schedule for more specific information.

**Distance Learning**

See Ways to Earn Credit at FCC, page 15 for information about distance learning opportunities. Go to www.frederick.edu and search for distance learning to find the list of online and hybrid courses offered each semester.

**Schedule of Classes**

The college distributes schedules of classes offered at all locations for the fall, spring and summer semesters. In addition, the schedule is mailed to all Frederick County households. Students should be aware that not all courses are offered every semester.

Some courses are offered irregularly due to inconsistent demand. Students interested in a course which is offered irregularly should inform the appropriate department chair of their interest.

**Registration**

New students, those with developmental English requirements, and those on academic probation are required to have an advisor’s approval before registering for classes. All other students are encouraged to meet with an advisor when selecting classes.

Specific information regarding each academic term is published in the credit schedule. Registration dates and schedule adjustment dates are listed in the calendar section of the credit schedule. Students should refer to this publication for dates, times, course offerings and other details regarding academic registration. A student may make schedule adjustments only during the period designated in the college calendar.
Adding/Dropping Courses
Courses may be added during the first week of the 15-week semester. New students registering for the first time during the first week of classes must meet with a counselor. After the first week, dropped courses will appear with a grade of “W.” During the 15-week fall and spring semesters, courses may be dropped through the tenth week of the semester. Students must submit an add/drop form to the Welcome & Registration Center or use the college's Web site. Forms are available in the Welcome & Registration Center and Counseling & Advising Office. Failure to officially withdraw from a course will result in a grade of “F.”

Academic terms shorter than 15 weeks have separate add/drop schedules, published in the schedule of classes. See the schedule of classes for dates for individual classes, as well as refund schedules.

Students who attend class without registering and paying are not eligible to earn a grade or credits.

Prerequisites
Many courses have stated prerequisites, the criteria for admission to a course. The intent of prerequisites is to ensure that students have the level of skill and knowledge that will assure them reasonable success in the course. Prerequisites may be specific high school or college courses, certification from a particular organization or agency, successful completion of a developmental course, or employment in a certain field. Prerequisites may be waived, however, with permission of the department chair or program manager in cases where the student has obtained the skill or knowledge outside of the classroom or at other institutions.

Full and Canceled Courses
Seats in classes are available on a first-come, first-served basis. Students should plan to register early to ensure that they are able to enroll in the course or section of their choice.

Courses or sections may be canceled due to insufficient enrollment. In the event that a course or section is canceled, all enrolled students will be notified immediately by the appropriate academic department. Those students may elect to enroll in another open course or section, or they may request a refund.

Graduation Applications
Students who anticipate completing the requirements for an associate’s degree, certificate of accomplishment or letter of recognition are required to file a graduation application with the Welcome & Registration Center. The deadlines for submitting graduation applications are published in the academic schedules.

Students who do not complete degree, certificate, or letter of recognition requirements in the semester in which they first applied for graduation may apply for graduation at a later date.

A graduation ceremony is held in May each year. Students who completed degree and certificate requirements the previous August or December, as well as those who complete their requirements in May, are invited to participate.

Honors & Academic Recognition

<table>
<thead>
<tr>
<th>GPA</th>
<th>Transcript Notation</th>
<th>Medallion</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0-3.49</td>
<td>Honors College</td>
<td>Bronze</td>
</tr>
<tr>
<td>3.5-3.749</td>
<td>Honors College–Honors</td>
<td>Silver</td>
</tr>
<tr>
<td>3.75-4.0</td>
<td>Honors College–High Honors</td>
<td>Gold</td>
</tr>
</tbody>
</table>

For more information, call the Honors Coordinator at 301.846.2535.

Dean’s List
Students who have earned 12 or more credits at FCC are eligible to be considered for the dean’s list. At the end of the fall and spring semesters, the vice president for learning will publish a list of those full- and part-time students who have completed at least six credits during the semester and have earned a grade point average of 3.5 or better.

Honors Society
The Phi Theta Kappa National Honors Society, with over 500 chapters in 48 states, the Canal Zone and Puerto Rico, is the national honorary scholastic fraternity for community colleges. Founded in 1918, Phi Theta Kappa was recognized officially by the American Association of Junior Colleges in 1929.

Membership in the college's chapter is by invitation only. To be considered, students must be enrolled in a degree-seeking program at FCC, accumulated a minimum of 17 credit hours, achieved a GPA of 3.7 or better, and be of good moral character, evidencing qualities of citizenship. Membership is official recognition of intellectual achievement throughout the student’s academic career. Opportunities for service and leadership development are provided at the national and regional levels. Information about Phi Theta Kappa may be obtained from the Center for Student Engagement, 301.846.2489.

Graduation with Honors
Associate degree recipients who have accumulated a cumulative GPA of 3.5–3.749 are awarded a degree with Honors. A degree with High Honors is awarded to those students who have accumulated a cumulative GPA of 3.75 or better. The certificate of accomplishment will be awarded with distinction to all students with a cumulative GPA of 3.75 or higher. All honors designations will be printed on the diploma or certificate.
Student Support Services

Academic Advising

Learning Outcomes:
- Students will become self-directed learners.
- Students will articulate an educational goal(s).
- Students will develop an educational plan to attain their identified educational goal(s).

The Counseling & Advising Office has a wide range of services and resources to assist, encourage, and guide students as they experience the many challenges and rewards of college life. For more information or to schedule an appointment, call 301.846.2471, 301.846.2625 TDD.

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 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. To register for a new student orientation or to schedule an advising appointment, contact the Counseling & Advising Office at 301.846.2471.

Allied Health Advising

Students interested in the college’s allied health programs (respiratory care, associate degree nursing, practical nursing certificate, surgical technology program or nuclear medicine technology) are encouraged to meet with the allied health advisor. Individual appointments and information sessions are available. For more information, call 301.846.2471.

Alumni Services

Alumni services are housed in the Institutional Advancement office. The office maintains a database of active alums. The Alumni Association meets on a regular basis and sponsors events for alumni and friends. For more information, call 301.624.2851.

Athletics

Student athletes may compete in men’s and women’s soccer, women’s volleyball and softball, men’s and women’s basketball, golf 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 can be found under the Student Right to Know section.

Eligibility

Students who are interested in sports should check with the athletics office 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.

Career Services

Learning Outcomes:
- Students will become self-directed learners.
- Students will identify and clarify career goals.
- Students will develop an educational plan consistent with their career goals.
- Students will successfully transition into the workforce based on their career goals.

Career Counseling Services

The college offers many types of career planning assistance to help students make the right choices. Students who are not sure where to begin their career and college major exploration can visit the Career & Transfer Center or make an appointment to meet with an advisor. The advisor may suggest a structured approach to career planning such as the course SD 100-Career Assessment and Planning or SD 115—Introduction to Career Planning. To make an appointment with an advisor, call 301.846.2594. For more information, visit the Career Center Web page at www.frederick.edu.

Career Assessment and Planning

The three-credit course, Career Assessment and Planning (SD 100), 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. Besides developing decision-making skills, students will learn how to develop objectives and action plans to help achieve their goals.

Career & Transfer Center

FCC has both an on-campus and an online career center which contains resources to help students with career planning. For students who want to explore careers on their own, the on campus or online career center is an excellent place to start.

Students are able to engage in self-assessment activities to determine career fields which best match their unique attributes, interests, abilities, and work values.

As students progress through the career development process, a variety of resources are available to help them develop and reach career goals. The Career & Transfer Center houses a collection of books and materials on specific career fields, job-seeking skills and job-keeping skills.

Students are also encouraged to utilize the varied resources of the online career center. For more information, visit the Career Center Web page at www.frederick.edu.

Center for Teaching & Learning

The Center for Teaching and Learning supports and enhances high-quality instruction and responds to the individual learning, teaching, and support needs of the Frederick Community College community, students, faculty, and staff. The Center for Teaching and Learning encourages exploration and innovation in a variety of learning environments by sharing knowledge and providing tools and resources.

The center supports student learning through a comprehensive and systems approach to all functions within the center: first year initiative for students, the Library, the Writing Center, Tutorial Services, the Testing Center, professional development for faculty, international education, distance learning, learning technologies, study skills workshops, and support courses.

First Year Student Initiatives

As students begin their college experience, support is available to enhance their transition and promote academic success. The First Year Initiatives program includes summer courses and experiences to improve study skills, first-year seminar courses, and workshops related to the learning demands of all students. Study skills assistance for individuals is provided through the office of the Learning Consultant, 301.846.2616.
Resources—The Writing Center has an open computer lab for student, faculty, and staff use. Software, videos, DVDs, and handouts are also available to help with outlining, essay writing, grammar, punctuation, speed reading, and other skills. In addition, there is a space devoted to collaborative learning experiences, multiple tutoring/consulting sessions, workshops, or study groups. For more information, please call 301.846.2619, or consult the college Web site.

Tutorial Student Support Services
Frederick Community College’s Tutorial Services provides free tutoring to students currently enrolled in FCC courses. Tutorial services clarify, supplement, and enhance individual course academics. Tutoring is available for most courses and students can work with a tutor individually, in small groups, or online. Students must be attending all classes and have collaborated with instructors before requesting a tutor. All in-person tutoring takes place on campus. Students must go online and fill out a Request for tutor form at www.frederick.edu. Tutors are paid by the college and range from professional tutors to peer tutors who have successfully completed the courses and are recommended by faculty. Students who are interested in working as a tutor should contact the tutorial services office. Call 301.846.2523 for further information. The Tutoring Center is located in L-223A (inside library).

The Testing Center
FCC’s Testing Center, in the Library Building (L-104), is the central hub for campus-wide testing needs. The center is open six days a week. Call 301.846.2522, or check our Web page 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.

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 301.846.2558.

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 distance learning exams scheduled on campus. 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 Services for Students with Disabilities (SSD) at 301.846.2409 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 manager for further information.

Professional Development of Faculty
Frederick Community College provides adjunct and full-time faculty a responsive, innovative system of professional development of teaching and learning reflecting the characteristics and need of the FCC student and faculty.

Distance Learning and Learning Technologies
Students can expect that technology is utilized to enhance learning and promote information literacy. Online courses provide distance learning options for students. Some campus-based course sections may also require that the student have access to the course Blackboard Web site. Students enrolled in those courses are expected to participate through the Blackboard format using their own or appropriate college-available computers. For more information on Distance Learning and Learning Technologies, see page 15.

Study Skills Workshops & Support Courses
Free study skills sessions are offered throughout the semester on topics geared to either study skills hints, test-taking hints, or final exams hints. SD 103, College Survival Skills, is a one-credit course that promotes the successful transition of students into college. SD 112, Learning Strategies, is a 2-credit course that teaches students to utilize effective and efficient study skills and strategies in their college courses.

Developmental Education
FCC offers a range of support services, as well as developmental courses in English, reading, 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.

English as a Second Language
FCC offers a series of English as a Second Language (ESL) courses that focus on listening, speaking, reading, writing, pronunciation, and grammar. Contact the ESL program manager at 301.846.2558 to determine which courses meet specific needs. See instructions on how to apply and register for ESL classes on page 10.

IT Help Desk
The FCC Help Desk provides a single point of contact for faculty, staff, and students when seeking assistance with technology problems. You can request assistance by sending an email to helpdesk@frederick.edu or calling the Help Desk at ext. 3333. Students may also stop by the Student Technology Help Desk in room C-207.

Job Search Assistance
The Career & Transfer Center at FCC offers job search assistance to graduates and those students seeking part-time or full-time employment.
The Career & Transfer Center houses a variety of materials that can assist students in the job-seeking process including reference books, videos, and information on area employers. Students can access job openings via the online Career Center job board. Students seeking job search assistance services can call 301.846.2594. For more information, visit the Career Center Web page at www.frederick.edu.

Math Learning Center
In the Math Learning Center, students may review mathematics skills, get help with mathematics classes, and work to improve mathematics study skills. Students can access drop-in tutoring at this location and pick up information on other tutoring opportunities. The Math Learning Center hours are posted outside B-112 every semester.

The Math Learning Center hosts the workshop component of developmental mathematics classes. In these workshops, students collaborate each week on active learning tasks which enhance the concepts presented during regular class time.

Multicultural Student Program
Learning Outcomes:
- Students will become self-directed learners.
- Students will make a successful transition to college.
- Students will persist toward their career and educational goals.
- Students will achieve academic success.

The Multicultural Student Program provides students with caring mentors, academic support services, academic advising, career counseling, student leadership, and a series of activities which enhances or develops strategies for success. The program focuses on the success of multicultural students, but it is open to all interested students. The purpose of this program is to ensure a smooth transition to the college, to promote college attendance, and to increase the probability of success for each student. The Multicultural Student Services Program office is located in A-209. Call 301.846.2531 for additional information.

Office of Adult Services
Learning Outcomes:
- Students will develop/demonstrate a realistic appreciation of self and others.
- Students will become self-directed learners.
- Users of the Women’s Center will be aware of and have access to college and community events, programs, and services.
- Students will be able to identify barriers to beginning or continuing their education and develop strategies to assist them in achieving academic success.

The Office of Adult Services (A-107) 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 and residents of Frederick City Public Housing. 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. Funded by Frederick Community College and special project support from the Division of Career Technology and Adult Learning, Maryland State Department of Education, the program provides special services for the following:

Single Parents—(working or non-working) who are unmarried or legally separated with custody or joint custody of a minor child or children.

Displaced Homemakers—adults who are unemployed or underemployed and experiencing difficulty in obtaining employment or suitable employment or have worked primarily without pay to care for home and family and need to upgrade or refresh marketable skills.

Program services are designed to help individuals increase and upgrade skills leading to employment or a career change. Services provided include intake interview and needs assessment, career counseling and academic advisement; support during transitions; workshops for adult students, referral to college and community services; financial assistance with tuition, books, child care and transportation, and job placement referrals. Call 301.846.2483 for more information.

Women’s Center
The Women’s Center (A-1078) 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 in F-104A, Arts and Student Center, at 7:00pm the second Thursday of each month. Call 301.846.2483 for more information.

Project ALIVE
The Office of Adult Services in partnership with the Housing Authority of the City of Frederick provides advising, referrals and scholarships to individuals residing in public housing units. Scholarships may be used for tuition, books, materials, child care and transportation. For more information, please contact the Office of Adult Services, 301.846.2483, or Project ALIVE coordinator, at 301.696.1875.

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 the Counseling & Advising office at 301.846.2471.

Services for Students with Disabilities
Learning Outcomes:
- Students will become self-directed learners.
- Students will make a successful transition to college.
- Students will persist toward their career and educational goals.
- Students will achieve academic success.

Frederick Community College is committed to full compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) and amendments. 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 Services for Students with Disabilities. 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. Call 301.846.2408 (or TDD 301.846.2625). Reasonable accommodations, based on documentation, are then offered to qualified students for courses and for placement testing. 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. Students may contact the Coordinator for Deaf and Hard of Hearing Services at 301.846.2476, 301.846.2625 (TDD) or via e-mail at clam@frederick.edu.

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 Services for Students with Disabilities office (301.846.2408) prior to testing so that accommodations can be provided if needed.

Students with disabilities may apply for the same types of financial aid available to all eligible students. The college waives course tuition for individuals who are retired from employment by reason of a permanent and total disability. Additionally, the Division of Rehabilitation Services (301.600.3075) may be able to provide other support services, as well as financial assistance. A TTY is available in the Counseling & Advising Office for student use. After-hours access is available by contacting campus security.

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.
Advisor Responsibilities

1. The advisor meets students during the registration period 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 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.

Student Technology Help Desk

The student technology help desk assists students with their technological needs while navigating FCC technology. Orientations and one-on-one sessions designed to guide students through basic login, including myFCC Email, Data Storage, Blackboard, PeopleSoft, FCC Alert, wireless printing, and general wireless access are provided. Other services include password resets, student's familiarization with Microsoft Office 2007, and other school supported applications.

The student help desk can be reached by phone at 301.846.2400, ext. 3333 or 301.846.2509 for the computer lab, or by visiting www.frederick.edu/support.

Transcripts

All transcripts issued by the college are free of charge.

Official Transcript

An official transcript is issued only by the Welcome & Registration Center and mailed directly to the receiving party. Under special circumstances an official issued-to-student transcript may be provided in a sealed envelope. Students must show identification to obtain an official transcript. It is provided on security transcript paper containing the college's seal and the authorizing signature. A raised seal is not required. The college reserves the right to impose a reasonable waiting period for providing official transcripts. Forms may be downloaded from the college's Web site www.frederick.edu.

Unofficial/Issued to Student Transcripts

Unofficial transcripts are available on the Web. An unofficial student transcript may be issued by the Welcome & Registration Center. 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.

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 & Transfer Center, in the lower B/C Knuckle, has a variety of print and electronic resources available to help with transfer planning. The center has Internet access so that students can view college Web sites and access online transfer resources. ARTSYS, a computerized information system created especially to help community college students transfer to Maryland four-year institutions is available, as well as College Source and College Board, which are online resources that enable students to conduct a college search using criteria such as major, size of enrollment, geographic location, cost and available student activities. College Source also allows students to view college catalogs from across the nation.

A library containing in-state and many close-by out-of-state college catalogs is available for student use.

Brochures and applications for area colleges, as well as transfer guides outlining the majors offered and requirements of the colleges to which our students most frequently transfer, are maintained in the Career & Transfer Center. Resource books such as Peterson's Guide to Four-Year Colleges, The College Board Guide to Campus Visits and College Interviews, and The College Board Index of Majors are also available.

Transfer workshops covering topics such as how to select a transfer school, the application process, transfer scholarships, and practical information on the transfer process, are offered throughout the year. Transfer advisors 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. Both Transfer Day and the FCC-sponsored Frederick County College Night provide opportunities to explore potential transfer schools. Additionally, four-year college recruiters and advisors are available to meet with students in the Recruiter's Corner (in the Career & Transfer Center) on a weekly basis. The Career and Transfer Center also sponsors several field trips to visit local colleges and universities each semester so students can tour campuses, meet with faculty, staff, and students, and learn about transfer requirements.

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 Career & Transfer Center Web page at www.frederick.edu. For information on transfer planning, or to schedule an appointment with a transfer advisor, contact the Counseling & Advising Office at 301.846.2471 or the Career & Transfer Center at 301.846.2594.

Transfer Evaluation for Students Transferring into FCC

Students who earned credit at other institutions and/or the military should provide an official transcript to the Welcome & Registration Center prior to the completion of their first semester at FCC. The student will receive written evaluation of transfer credit earned and how the courses apply to their FCC curriculum. Transfer credit will be adjusted if the student later takes the same course at FCC.
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, Arts & 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 supports 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 Web site 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 compliment 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 Web site 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! And, 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 Who’s Who Among Students in American Community Colleges, 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 Web site 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
- Jan Kuczmak Memorial Awards
• Lindblad/Longman "We Are One" Award
• Catoctin Scholar History Award
• Award for Academic Excellence in the Business Transfer Curriculum
• Award for Academic Excellence in the Business Career Curriculum
• Career & Technology Awards
• Frederick County Medical Society Award for Academic Excellence in Clinical Nursing
• Frederick Memorial Hospital Board of Directors Award for Highest Academic Average in Nursing
• 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, secretary, and treasurer. Students interested in leadership positions are invited to stop by the SGA office, F-103.

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**

FCC has two major student publications. The FCC Commuter is the college’s student newspaper and the Tuscarora Review is our 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, Bryan Hiatt at 301.846.2511.

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 the English department at 301.846.2600.

**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 (Arts & Student Center), or in the Welcome & Registration Center, A-102 (Administration 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 FCC Bookstore is open year-round, Monday from 8:30am until 7pm, Tuesday through Thursday from 8:30am until 5pm and Friday from 8:30am until 4:30pm to serve FCC students, faculty, staff and the community. Evening hours are expanded for three weeks before and three weeks after the beginning of the fall and spring semesters. The Bookstore sells course textbooks, general reference books, educationally priced software, school and art supplies, backpacks, snacks, school-related clothing and other items. New and used graphing calculators used in many mathematics courses are available for purchase.

The Bookstore makes course books available starting two to three weeks before the beginning of each semester. The Bookstore provides a book buy-back service at the end of each semester and each summer session.

Visit the FCC Web site to find out what books will be used for your courses. Click on the College Information link and then on the Bookstore link for information about your course books.

The FCC Bookstore accepts cash, checks and credit cards (MasterCard, Visa and Discover).

**Campus Safety and Security**
FCC places a high priority on maintaining a safe, secure learning and working environment. The security office 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 4, #4–lot 4, #5–lot 6, #6–lot 7 south, #7–lot 7 north, #8–lot 9, #9–lot 10, #10–lot 10 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 Web site. Individuals may also request a paper copy of either the college’s safety and security policies or campus crime statistics at the colleges security office located in the Administration Hall on campus (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**
During inclement weather, the following area radio and television stations will be notified by 5:30a to broadcast announcements concerning cancellations, closings and delays:

- WFMF (AM 930)
- WAFY (FM 103.1)
- WIZV (CH. 13)
- WTTG (CH. 5)
- NEWS4 (CH. 4)
- NEWS Channel 8

Sign up for FCC Alert to receive instant alerts direct to your cell phone and/or email account. Students can sign up at www.frederick.edu. Students and staff may also call the FCC switchboard, 301.846.2400, tune in to FCC’s College of the Air, Comcast Channel 23, or visit the Web site (www.frederick.edu) for the latest FCC inclement weather announcement. See the Student Handbook for more information.

**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.

**College Publications**

- **Student Handbook**—Includes college activities and resources, school policies and regulations, etc. Copies are available from the Center for Student Engagement or on the Web at www.frederick.edu.

- **Transfer Guides**—Provide information transfer students need. Continually updated information on specific transfer requirements for colleges most often selected by FCC students are included. Transfer guides are available through the Career & Transfer Center.

A variety of other publications and brochures is available from different departments throughout the college to meet student needs.

**Dining Services**

**Exciting News:**
Dining Services will be moving to the new student center/classroom building as soon as construction is complete, projected for spring 2010. Check www.frederick.edu for updated information regarding dining services when the new building is completed.

The mission of the FCC Dining Services Department is to provide premier dining services to the college community and campus guests through outstanding quality and choice of food and superb customer service.

Dining Services operates three venues on campus including the Cougar Grille, Sara Lee Sandwich Shoppe, and A Taste for All Seasons Catering. All venues are open to all students, faculty, staff and the general public. Dining services also monitors the vending operations on campus. The management office is in the Arts & Student Center, room F–108B. For information on any of our services, call Donna Sowers at 301.846.2466 or dsowers@frederick.edu or call Sandy Tom at 301.624.2738 or email stoms@frederick.edu or drop by our office. Suggestions or comments about any of our venues are always welcome. Menus, daily features, special events, an online suggestion/comment form and online catering reservation form are available on the college Web site, www.frederick.edu under dining services.

**Cougar Grille**
- **Open fall & spring semesters:** Monday–Thursday, 8:00am–2:30pm
- **Open summer:** Monday – Thursday, 11:00am–1:30pm

The Grille is located in the Arts & Student Center (F-building) next to the Bookstore. The Cougar Grille features made-to-order salads, Sara Lee Deli with custom made sandwiches, wraps and subs gently warmed through our oven, Campbell’s soups, Tyson chicken tenders, made-to-order hot sandwiches from the grill, french fries, onion rings, hot daily features made fresh in our kitchen, Coca-Cola and Minute Maid beverages, and Frito Lay Snacks. Stop by between 8:00am and 10:30am for a hot breakfast. The Cougar Grille has a comfortable dining room with plenty of seating space. Enjoy the small lounge to the rear of the dining room and bring your computer.

**Sara Lee Sandwich Shoppe**
- **Open fall & spring semesters:** Monday–Thursday, 8:00am – 7:30pm, Friday 8:00am–1:30pm
- **Open summer:** Monday – Thursday, 8:30am – 1:30pm

The Sara Lee Sandwich Shoppe is located on the 2nd floor of C-building in the B/C knuckle. The Sara Lee Sandwich Shoppe features top-of-the-line Sara Lee Deli meats. Enjoy a custom made-deli sandwich, sub or wrap gently warmed through our oven. Stop by for breakfast and enjoy a hot sandwich. Need something fast? Drop by for an Uncle Ralph cookie, brownie, grab-n-go salad, pizza, Coca-Cola drink or a cool Big Train iced coffee or tea blast smoothie. Limited seating is available. If you are short on time you can call in your order and our staff will have your sandwich ready for you, call 301.624.2831.

**Meal Cards**—You can purchase a meal card for any denomination of five dollars and up that is valid at the Cougar Grille and Sara Lee Sandwich Shoppe. See the cashier at either of the locations for further details.
Check the college Web site (www.frederick.edu under Our Campus then Dining Services/Catering) for:

- A map of our locations
- Daily features for the Cougar Grille and Sara Lee Sandwich Shoppe
- Menus for the Cougar Grille, Sara Lee Sandwich Shoppe, and A Taste for All Seasons Catering
- Yearly Operating Schedule
- Special and fun events happening in the Cougar Grille and at the Sara Lee Sandwich Shoppe

A Taste for All Seasons Catering

A Taste for all Seasons Catering services special events for internal and external groups using campus facilities. A Taste for All Seasons Catering offers everything from coffee service to boxed lunches to fully catered buffets for 10–1,000. Call Donna Sowers at 301.846.2466 or email dsowers@frederick.edu or call Sandy Toms at 301.624.2738 or email stoms@frederick.edu. The brochure, pricing information and an online ordering form is available on the college Web site, www.frederick.edu, then click on Our Campus, click on Dining Services/Catering, scroll down to A Taste for All Seasons Catering and click on the links to the brochure, price list, and/or online catering order form.

Vending

Vending is monitored by dining services, but is maintained by Coca-Cola of Frederick and Mid-Maryland Vending. Vending machines are conveniently located in the Conference Center, Arts & Student Center, Gym, Library Building, A/B Knuckle and B/C Knuckle. If you encounter problems with a machine, please notify the dining services management office at 301.846.2466 or 301.624.2738 so that a repair call can be placed. Refunds are available at the Sara Lee Sandwich Shoppe, second floor C-building during their operational hours.

Parking Stickers

Parking stickers are issued by the Welcome & Registration Center 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 by the Welcome & Registration Center once a student has registered. ID cards are required for library services, registration, and admission to college events.
Continuing Education & Workforce Development

Continuing Education & Customized Training

FCC’s continuing education and customized training 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 noncredit courses is offered in day, evening and weekend 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 first-hand knowledge to the classroom. Courses provide students hands-on training and state-of-the-art equipment. All courses can be tailored to the applications of individual businesses through customized training contracts within parameters convenient to the companies.

Partnerships

The continuing education/customized training division has developed numerous partnerships and collaborative groups providing the community greater resources and access to training. Our partners include Frederick County Association of Realtors, Dominion Project, Inc., Frederick Memorial Healthcare Systems Wellness Center, Frederick County Chamber of Commerce, Frederick Innovative Technology Center, Inc., and the Workforce Partnership of Frederick County.

The Workforce Partnership of Frederick County

The Workforce Partnership of Frederick County assembles the finest area agencies involved in workforce development and competitiveness, all collaboratively committed to the economic prosperity of Frederick County and its businesses. The partnership includes Frederick County Workforce Services and Frederick Community College and provides customized performance training, needs assessments, and workforce development consulting. For further information, call 301.846.2404.

Workforce Development & Career Training

Today’s work environment requires each person to have a broader range of skills and communication abilities than ever before. With fewer people being called upon to do more, keeping skills current and assuring core competencies provides greater assurance of career success.

Workforce development courses are designed in conjunction with professional organizations, area businesses and industries. Programs are intended to enhance and update skills or provide entry-level career training. Many courses are offered as preparation for national licensing examinations or for recertification/relicensing. For more information, call 301.846.2431.

Workforce development programs include:

- Information Technology
- Computer Technician Training (A+)
- CompTIA Network +
- CompTIA Security +
- Microsoft Certified Systems Administrator (MCSE)
- Allied Health
- Certified Nursing Assistant
- Dental Assistant
- EKG Technician
- Pharmacology Technician
- Phlebotomy Technician
- Physical & Occupational Therapy
- Business
- American Management Association (AMA)
- Certified Bookkeeper
- Professional Project Manager (PPM)
- Small Business
- Society for Human Resources (SHRM) PHR/SPHR
- Real Estate
- Real Estate Agent
- Real Estate Appraisal
- Home Inspector
- Maryland Home Improvement Contractors License Exam Prep
- Mortgage Loan Officer
- Construction
- Basic AutoCAD
- Carpentry
- Electricity
- Heating Ventilation Air Conditioning and Refrigeration (HVAC)
- Plumbing
- Welding
- Child Care
- Autobody
- Veterinary Assistant
- Equine

Small Business Development

Whether considering starting a small business or expanding a current business, FCC offers a wide array of short courses to get people started or to provide necessary business skills. A variety of ‘how to start’ courses help you select a new business and get the process under way. Other courses cover employee relations, customer service, advertising, etc. For information on small business courses, call 301.846.2684.

FCC Customized Training

As an integral part of Frederick Community College, FCC Customized Training shares the college’s vision of being a premier Learning College, a customer centered system of relationships that facilitates, values and measures learning. Our mission is to prepare organizations and their employees to meet the challenges of a diverse, global society through quality, accessible, innovative, lifelong learning.

Customized Training is a formal partnership between Frederick Community College and Frederick County Workforce Services. This successful joint venture combines the resources of each partner such as materials, facilities, instructors, and contacts to form FCC Customized Training. The unique partnership 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. During the past year, FCC Customized Training has provided learning opportunities to nearly 5,700 employees.

Companies may access customized training courses on a wide variety of topics, including:

- Employee Effectiveness
- Professional and Organizational Leadership
- Computer Software/Hardware Technical Training
- Customer Service
- Diverse Perspectives in the Workplace
- Health/Wellness
- Job Training/Skilled Trades
- Safety
- Credit, certificate, degree and non-credit programs

By examining what our customers need, Customized Training has established itself as Frederick County’s premier local training provider. Call 301.846.2404 for more information.
Personal Enrichment

The Personal Enrichment program offers opportunities for people of all ages to explore new interests and hobbies, become more self-reliant, develop healthier lifestyles and enhance life experiences. Course lengths range from several hours to several weeks.

Courses that accommodate the vast and diverse needs of the community include:
- Arts, crafts & hobbies
- Culinary arts
- Drawing & painting
- English as a second language
- Health, fitness & the great outdoors
- Home decorating
- Languages
- Music & dance
- Personal finance
- Personal growth & self help
- Photography
- Test preparation
- Writing

Kids On Campus

Our Kids on Campus program offers extensive course selections for children and adolescents. Courses build on existing skills while exploring interests and introducing new ideas, and at the same time fostering new friendships. Course lengths range from several hours to several weeks.

Our creative and interactive course subjects include:
- Languages
- SAFE Sitter
- Computers
- Home-School Enrichment
- Media and the Arts
- Hands-On Science
- Boost Your Imagination
- Sports and Fitness
- Kids Cuisine
- Parents and Kids Together

Call 301.624.2620 for more information.

Institute for Learning in Retirement (ILR)

The ILR program at FCC offers a broad range of affordable courses and field trips designed by and for adults age 55 and better. 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.

ILR offers casual classes in a range of subjects including:
- Art and music
- Computers and digital photography
- Golf, bridge and other hobbies
- Health and fitness
- History, government and world cultures
- Personal finance and elder law
- Science and nature
- Social issues and current events

A lifetime membership in ILR is available for $20. Non-members are also welcome to take some ILR classes. To receive a course schedule for the Institute for Learning in Retirement, call 301.624.2732.

Driver Education and Traffic Safety

The DETS area provides instruction in the safe operation of motor vehicles. This includes:
- a traditional driver education program for adults and teens interested in obtaining a Class C Maryland Driver's License (passenger cars)
- MVA Approved Driver Improvement/Point System Conference and Drug & Alcohol Awareness classes

Motorcycle Safety Program

Our Motorcycle Safety programs are taught by Motor Vehicle Administration and Motorcycle Safety Foundation certified instructors. Basic Rider and Basic Rider II prepare students for a Class "M" license.

Riders can elect to use a program training motorcycle, or they may use their personal motorcycle if it is street legal and they transport it to the training site legally. Personal motorcycles must be in good operating condition and pass a routine pre-ride check given as a part of the course. 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.

- Basic Rider Course (BRC)
- Basic Rider Course II (BRC II)
- Experienced Rider Course (ERC)
- Advanced Rider Clinic

Check the Continuing Education schedule of classes or call 301.846.2431 or 301.846.2427 for the most current schedules.
Selected policies and procedures are currently under college-wide review. Please check the Student Policies and Procedures under Current Students on the college's Web site (www.frederick.edu) for revisions.

**Academic Assessment and Placement**

**Policy (rev. 4/16/08)**

All new incoming students, unless otherwise exempted, must undergo a comprehensive basics skills assessment in the areas of reading, writing, mathematics, and study skills before initial enrollment in credit-level courses, developmental, and designated continuing education courses. Assessment scores will be used to determine the proper placement in the appropriate program, based on the individual student's needs. Students whose assessment scores indicate placement in a developmental program will be required to enroll in and satisfactorily complete developmental and/or English as a second language (ESL) coursework designed to provide these skills.

**Academic Integrity**

**Policy (rev. 1/21/09)**

A. Frederick Community College is committed to sustaining an environment that actively promotes honesty, dignity, trust, and respect in the institutional policies and our professional behavior and interactions. An integral part of this core value is a relationship of trust among faculty, staff, and student.

B. Frederick Community College promotes academic integrity by setting standards of conduct for learning, creating learning environments that encourage and demand honesty in academic work and behaviors, and holding faculty and staff accountable for modeling behaviors that support the development and worth of all students. All faculty, staff, and students are expected to uphold these standards and be active participants in FCC’s efforts to promote academic integrity. Individuals violating this policy will be subject to the provisions of Procedure 4.15, Violation of Academic Procedure.

**Procedure (rev. 12/10/08)**

**Violation of Academic Integrity**

A. Introduction

A violation of the Code of Academic Integrity includes, but is not limited to, cheating, plagiarism, or facilitating dishonest activities. Examples of each type of violation are provided below. The principles of the code are applicable to all credit and non-credit courses at the college. All documented violations of the Code of Academic Integrity will be kept on file with the Chief Academic Officer. Cases referred to the Code of Student Conduct will also be kept on file with the Vice President of Learning Support.

B. Definitions

1. Cheating – the intentional or attempted use of unauthorized materials, information, or study aids in an academic exercise. Examples include, but are not limited to:
   a. Use of notes, examinations, instructional material, or information obtained by electronic means during academic activities.
   b. Obtaining, using, or processing copies of an examination, and/or providing or receiving information contained in an examination.
   c. Submitting another's work as one's own.
   d. Having an examination taken by another party.
   e. Altering or falsifying examination or course results after evaluation is completed by the instructor.
   f. Carrying examination answers into an in-class testing period.
   g. Copying answers and/or work from another student during an individually assigned classroom activity.

2. Plagiarism – the presentation of an idea or product as new when taken from an original existing source without properly citing the source of the material. Examples of plagiarism include:
   a. Duplicating another author's work (in whole or part) without quotation marks and/or proper citations.
   b. Duplicating the author's exact words with the proper citation, but without quotation marks.
   c. Using an author's paraphrased ideas without proper citations.
   d. Submitting a paper in which the exact words are only rearranged in order without proper citation.

3. Facilitating Academic Dishonesty – intentionally, or knowingly, assisting or attempting to assist another student in violation of the Academic Integrity policy. Examples include but are not limited to:
   a. Completing an academic activity in another name.
   b. Permitting another student to copy one's work for an assignment, or examination.
   c. Providing another student with unauthorized material during an academic activity.
   d. Collaboration with other students to complete course assignments when prohibited by the instructor.
   e. Providing examination information to students in other course sections.
   f. Selling, possessing, or purchasing examinations, papers, or other assignments.

4. Other Forms of Academic Dishonesty: Examples include but are not limited to fabricating, falsifying, or inventing information, data, or citations in an academic activity.

C. Investigation of Alleged Violations

1. When a faculty member has reason to believe that a violation of the Code of Academic Integrity has occurred, the faculty member will notify the Vice President of Learning, who will notify the Registrar to place an academic hold on the student record. The hold will prevent the student from withdrawing from the course during the investigation process. The faculty member will schedule a meeting with the student(s) to present evidence of the violation. If the student fails to attend the meeting, the faculty member may make a decision based on the available evidence.

2. The student will be afforded the opportunity to respond to the allegation during the meeting with the faculty member. Following the meeting with the student, the faculty member will make a determination as to the occurrence of a violation based on the evidence presented during the investigation.
D. Imposition of a Sanction

1. Following the investigation, students found to be in violation of the Code of Academic Integrity may receive sanctions imposed by the faculty member in whose class the violation occurred. Sanctions will increase in severity in accordance with the number of prior documented violations. The faculty member will confer with the Associate Vice President for Learning Operations to determine if other recorded violations have occurred prior to imposing a sanction. The faculty member will confer with the department chair and/or the appropriate Associate Vice President to inform him/her of the sanction the faculty member has determined to be appropriate. Students not registered in a course where sanctions are warranted but who facilitate academic dishonesty will be referred for sanctions under the Code of Student Conduct.

   a. First Violation
      (1) Students found in violation of the Code of Academic Integrity for the first time may be assigned a sanction ranging from a warning to grade of zero (0) for the assignment, examination, presentation, or activity in question, to receiving a failing grade in that class should the offense be determined by the faculty member to be sufficiently severe to warrant such a sanction. The student will be made aware of the sanction in writing by the faculty member.
      (2) Recognizing the potential for unintentional violations of the Code of Academic Integrity, the faculty member may include within the written notice of sanction a referral to the Writing Center. The faculty member may inform the Writing Center Manager of the student's violation and referral. The Writing Center will provide the student with individualized instruction relating to the particular violation, which may include one-on-one tutoring, online tutorials, and/or referrals to other college resources (e.g., Study skills workshops, etc.). The Writing Center Manager will inform the faculty of the student's progress and completion of educational experiences.
      (3) A copy of the sanction notice will be sent to the department chair and the Associate Vice President of Learning Operations. If the department chair is the involved faculty member, the appropriate academic Associate Vice President will act as the department chair. The Associate Vice President will document the incident and file the documentation with the Vice President for Learning.

   b. Second Violation
      (1) Students found in violation of the Code of Academic Integrity for the second time, either in the same course or a different course, will be assigned a failing grade in the course where the second violation occurred.
      (2) The student may appeal the failing grade using the college's Grievance Procedure for Grades.
      (3) The student will be made aware of the sanction in writing by the faculty member. A copy of the sanction notice will be sent to the department chair and the Associate Vice President of Learning Operations. The Associate Vice President will document the incident and file the documentation as the second violation with the Vice President for Learning.

   c. Third Violation
      (1) Students found in violation of the Code of Academic Integrity for the third time, either in the same or a different course, will be assigned a failing grade in the course where the third violation occurred. The student forfeits the opportunity to repeat the course in question. Additionally, the student will be referred for appropriate action through the Code of Student Conduct with the recommendation that the student be expelled from the college.
      (2) The student may appeal the grade using the college's Grievance Procedure for Grades prior to his/her exposure to the procedures associated with the Student Code of Conduct. If the failing grade is not overturned on appeal, the student will be referred to the Code of Student Conduct for consideration of expulsion from the college.

   (3) The student will be made aware of the sanction in writing by the appropriate academic Associate Vice President and a copy of the sanction notice will be sent to the department chair and faculty member. The Associate Vice President will document the incident and file the documentation as the third violation with the Chief Academic Officer and notify the Vice President for Learning Support for initiation of action in accordance with procedures outlined in the Code of Student Conduct.

E. Appeals

All appeals must be submitted in writing as indicated below:

1. Appeal of Finding of First Violation - Students who have been found in violation of the Academic Integrity policy for the first violation will have 7 working days from the student’s notification in which to request an appeal. Failure to request an appeal within the allotted time frame will result in the student’s waiver of the right to appeal. Written request of appeal must be submitted to the appropriate academic Associate Vice President. The Associate Vice President will appoint a department chair to schedule a meeting with the student, the faculty member, and the Department Chair within 10 working days of receipt of the request for appeal and will inform all parties of the date, time, and location of the appeal hearing. Failure of the student to appear for the appeal hearing without prior notification or evidence of extenuating circumstances, provided adequate advance notice of the hearing date, time, and location has been given, results in a waiver of his/her right for further appeal and the sanction imposed by the faculty member will stand. The decision of the Associate Vice President will be final. The Associate Vice President will notify the student in writing of their decision within 3 working days of the meeting.

2. Appeal of Second and Third Violations – All appeals of the second and third violations will proceed according to the Student Grievance Procedure for Grades and where appropriate, the Student Code of Conduct.

   a. If an appeal results in a change in the student’s recorded final grade for the course, the faculty member will submit an official change of grade to the Registrar and the Vice President of Learning will notify the Registrar to remove the hold on the student record.

Acceptable Use of Information Technology Resources

Policy (rev. 4/18/07)

A. Frederick Community College provides students, faculty, and staff an array of information technology resources to support the learning mission of the college. Access to these resources is a privilege, not a right or guarantee, and as such, imposes certain responsibilities and obligations on the user. All users (students, faculty, staff, and non-college individuals and entities specifically authorized to use these resources) are expected to act responsibly, ethically, and legally, and limit their use of these resources to the educational purpose and legitimate business of the college and agree to abide by the college’s Acceptable Use of Information Technology Resources Procedures. The college reserves the right to extend, limit, restrict or deny privileges and access to its information technology resources. Electronic information residing on college-owned and/or leased servers is the property of Frederick Community College. As such, the college reserves the right to review any email or transaction that transits an FCC server.

B. All members of the college community are bound by all applicable local, State, and federal laws including, but not limited to, those related to copyrights, security, privacy (including the provisions of FERPA – Family Educational Rights and Privacy Act) and other statutes regarding electronic media and technology in general.

C. Disclaimer: Users of the college information technology resources owned, operated or leased by the college do so subject to applicable laws and college policies and procedures. The college makes no guarantee that the services provided will be error-free or without defect. The college cannot be responsible for any damage suffered including, but not limited to, loss of data or disruption of service. The college disclaims any responsibility and/or warranties for information and materials residing on non-college systems or available over publicly accessible networks.
Procedures (rev. 8/1/07)

Information technology resources owned, leased or operated by the school are governed by college policy as well as federal, state, and local laws. Users who inappropriately or illegally use information technology resources are subject to all applicable college and legal penalties for such misuse (see Procedure 6.26a, “Violations of Acceptable Use of Information Technology Resources”). Frederick Community College reserves the right to monitor its information technology resources (i.e., hardware, software, networks, peripheral devices, email, data, and any other components connected to or associated with these resources) to ensure compliance with the acceptable use policy, procedures and related policies and procedures.

A. Access to Technology Resources

1. Access to technology resources is a privilege, not a right or guarantee, and as such imposes certain responsibilities and obligations upon the user. The college reserves the right to extend, limit, deny privileges and access to its information technology resources based upon relevant policies and procedures, laws, and contractual obligations, the users need to know, the risk of damage to or loss by the college, and the users previous history of use.

B. Privacy and Use of Information

1. Users of the information technology resources are expected to attempt to access, through any system, only information that relates to the performance of their duties and to exercise good judgment in the use of such information, particularly, confidential or demographic data. Confidential or demographic data must be used in a manner that protects the rights of privacy and institutional liability. Safeguards to authorize, review, and monitor appropriate user access to the PeopleSoft system are outlined in Procedure 6.26c - “PeopleSoft System Access.”

C. Standards of Acceptable Use

1. These standards apply to the operation of Frederick Community College’s information technology resources and are based upon two primary principles: 1) information technology resources exist to support the learning mission of the college; 2) the college is committed to ensuring a positive learning environment for all members of the college community. The following list cannot completely catalogue all acceptable uses but is intended to be as comprehensive as possible.

a. Users represent the college while using internal and external information technology resources and as such must comply with all college policies and procedures, as well as all federal, State, and local laws and regulations.

b. Use of information technology resources is for the purpose of facilitating the exchange of information to support the learning mission of the college and is to be used for legitimate college business except as otherwise provided by the college’s “Intellectual Property Rights” policy (pending) and procedure (pending).

c. Users and system administrators will respect the privacy of person to person communication in all forms, including voice (telephone), text (electronic mail and file transfer), and image (graphics and video), although privacy can never be guaranteed.

d. Users will observe existing copyright, licensing, and legal restrictions on the use of software or information. All work created on the college’s network is the property of the college except as otherwise provided by the college’s “Intellectual Property Rights” policy (pending) and procedure (pending).

e. Users will not run any utilities to capture information, eavesdrop on network communications, degrade or disrupt equipment, software, or network performance, including providing programs intended to damage or place excessive load on a computer system.

f. Users will respect the rights and property of all others and will not improperly access, misappropriate or misuse the files and data that belong to another individual or that are not publicly available.

g. Users will not transmit any communication in any form (e.g., text, images, sound) where the content, meaning, transmission, and/or distribution of the message would violate any applicable law or regulation.

h. Users shall use e-mail in a responsible manner in compliance with the college’s general e-mail procedure (see Procedure 6.26b, “General E-Mail Procedures”).

i. Users may not purchase, install, uninstall or download any applications without prior authorization by the Chief Technology Officer and/or the IT Director of Network Services, including users who have been granted administrative access rights (see Procedure 6.26d, “Administrative Access Rights”). Certain applications may not be authorized because they represent a security risk and/or violate State/federal copyright and/or entertainment downloading statutes.

j. Users may not use the network for gambling or any other illegal activity, or any activity prohibited by the acceptable use procedures, to include violations of software agreements and other contracts, gaining unauthorized access to any computer system, or attempting to circumvent data protection measures.

k. Users may not alter software systems (including unauthorized modification of hardware/software configurations; unauthorized copying of copyrighted software), engage in hacking in any form, gain unauthorized access to resource entities (including the use or divulging of someone else’s password and sharing individual user account(s)), post anonymous messages, and create and/or display threatening, obscene, racist, sexist, or harassing material (including broadcasting unsolicited messages or sending unwanted email).

l. Users may not connect any personally owned computer or related equipment to any device on the college’s networks without the specific authorization of the Chief Technology Officer or the IT Director of Network Services. Users granted permission may connect to college networks only with equipment/computers meeting the college’s technical and security standards.

m. Users may not intentionally abuse, disrupt, endanger; or threaten the viability and security of any college computer system, or network facility including those at the college and those on networks to which the college’s systems are connected. This includes, but is not limited to, intentionally bypassing security, inserting inappropriate objects into drives, tampering with cables, adding or deleting files or software without authorization, changing network settings, and introducing or creating invasive software such as worms or viruses.

n. The college has a finite amount of bandwidth and resources that must be used responsibly.

Users will promote the efficient use of the network to minimize and to avoid intentionally creating congestion within or upon the networks that interferes with the work of other users. Users may not intentionally interfere with or disrupt network users, services, or system resources. Disruptions include, but are not limited to, distribution of unsolicited advertising, creation and/or propagation of computer viruses, transmission of slanderous or harassing materials, chain letters, and using the college’s facilities to gain unauthorized entry to any other facility, internal or external to the Frederick Community College network.

o. User work created using the college network(s) may be saved in the designated account storage space, on approved reusable media or a pre-specified and approved network folder.

p. Users may not misrepresent one’s identity in electronic communication for any purpose.

q. Users may not engage in illegal trading of copyright protected music and movie files on the college’s network.

r. Users may not share their account(s), login and password(s) with others, including family members, co-workers or any other individuals. Each user is responsible for the use or misuse of their account(s).

s. Users should follow printing guidelines when using lab and library computers and printers.

D. Disclaimer: Users of the college information technology resources owned, operated or leased by the college do so subject to applicable laws and college policies and procedures. The college makes no guarantee that the services provided will be error-free or without defect. The school cannot be responsible for any damage suffered including, but not limited to, loss of data or disruption of service. This includes the loss of data resulting from delays, non-deliveries, or user error or omissions. The college disclaims any responsibility and/or warranties for information and materials residing on non-college systems or available over publicly accessible networks.

E. Violations of this procedure will be investigated under the procedure 6.26a, “Violations of Acceptable Use of Information Technology Resources”.

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A. General E-mail Procedures

1. Users shall utilize e-mail in a responsible and lawful manner in compliance with Frederick Community College policy and procedures and all applicable state and federal laws. Users are advised that e-mail messages are no more confidential than a postcard and may be monitored without prior notification. It is therefore important that users are aware of the legal risks of e-mail. If any user sends or forwards e-mails with libelous, defamatory, offensive, racist, or obscene remarks, the user can be held liable. If any user unlawfully forwards or copies messages without permission, the user can be held liable for copyright infringement.

2. FCC email accounts are intended to serve as the official means of electronic communication at the college.

B. Distribution Prioritization

1. To provide students, faculty, staff, FCPS and area non-profits with the opportunity to apply for surplus computers. The surplus computers will be donated to FCC financially eligible students and sold to FCC faculty and staff. Once the campus requests have been met, remaining computers will be donated to FCPS or other county non-profit organizations. Proceeds from the sale of surplus computers will go to the FCC Foundation.

C. Violations of this procedure will be investigated under the procedure 6.26z, “Violations of Acceptable Use of Information Technology Resources”.

D. FCC Faculty and Staff Application Guideline

1. Faculty and Staff Eligibility Guidelines:
   a. Full-time and part-time faculty and benefited staff are eligible to apply for the purchase of an FCC surplus computer.
   b. The faculty or staff member must be a current employee of the college.

2. Advertisement of available computers will be made on Communication Central.

3. Applications will be posted with the advertisement and will be processed on a first-come, first-serve basis.

4. Applications will be posted with the advertisement and will be processed on a first-come, first-serve basis.

5. The IT department will notify applicants of their status within one week of the application deadline. The FCC Foundation will also be notified of applicant status.

6. Upon initial notification of computer availability, the student will have two weeks to arrange to pick up the computer. If it is not picked up within the two week timeframe, the computer will be made available for sale to FCC faculty and staff. The computer may only be picked up by the approved student. Student identification will be required.

7. Students must sign an acceptance form at the time of computer pick-up.

8. Student identification will be required.

9. Faculty/staff must sign an acceptance form at the time of computer pick-up.

10. One PC may be purchased every three years per employee.

E. FCC Faculty and Staff PC Purchase Guidelines:

1. Approved applicants must pick up a PC purchase voucher from the IT Department and take the voucher to the FCC Foundation office where payment should be made to the Foundation in the amount of $250.00. (The applicant is not eligible for a tax deduction since goods are received in return for payment).

2. The Foundation will sign the voucher and keep a copy for the Foundation records.

3. The applicant will bring a copy of the signed voucher back to IT office.

4. Computer may only be picked up by the designated applicant.

5. One PC may be purchased every three years per employee.

6. Faculty/staff must sign an acceptance form at the time of computer pick-up.

7. Faculty/staff must sign an acceptance form at the time of computer pick-up.

F. Violations of this procedure will be investigated under the procedure 6.26z, “Violations of Acceptable Use of Information Technology Resources”.

FCC makes no claims and/or warranties and will not provide follow-up service for any computer — donated AS IS.
A. Purpose
1. myFCC is the official FCC student email/data storage system. The purpose of this procedure is to outline the intent, creation and configuration details of the student myFCC account, along with the method to follow regarding the use of myFCC for internal and external communication.

B. Account Intent
1. The myFCC email address will serve as the official means of electronic communication between the school and the student.

C. Account Creation
1. A myFCC account is created automatically for each student enrolling in a Frederick Community College credit course.
2. During initial login to the system, students must answer four Challenge Response questions. These questions allow students to reset their own passwords if forgotten.

D. myFCC use for internal and external communication
1. Initial requests for use of the myFCC announcement or e-mail feature for marketing and/or communicating with prospective or current students should be sent to the Executive Director of Marketing and Public Relations. Requests should include information on the target market, reasons for the use of e-mail or announcement, timelines for use, and the text of the message.
2. The Executive director of Marketing and Public Relations and the Associate Vice President for Enrollment Management will review the request and make recommendations, if necessary, for adjustment of text, timeline, and/or target market.
3. Approved announcements and/or messages will be returned to the sender with appropriate guidelines (e.g., template, timing, etc.).

E. Violations of this procedure will be investigated under the procedure 6.26z - , “Violations of Acceptable Use of Information Technology Resources”.

Computer Lab Usage (rev. 8/1/07)

A. Purpose
1. Frederick Community College provides computer resources, network and Internet access, to users at the college for legitimate academic pursuits as outlined by the college's mission statement. However, use of college computer resources is a privilege that carries with it certain shared rights and responsibilities. The rights and responsibilities, as well as the consequences of misuse, are outlined below.

B. User Rights & Responsibilities
1. All lab users are expected to comply with the Acceptable Use of Information Technology Resources Policy 6.26 and all associated procedures.
   a. The open-lab access provided by the college is a privilege that requires users to act responsibly. Broadly stated, users must respect and value the rights and privacy of other users, respect the integrity of information systems and related physical resources, and observe all relevant laws, regulations, and contractual obligations. More specifically, users are expected to do the following:
      i. Protect the security of their accounts
      ii. Avoid transmission of viruses by using software conscientiously
      iii. Comply with copyright and license laws
      iv. Avoid offensive or inflammatory speech
      v. Avoid degrading the network's performance

C. Unacceptable Behavior Guidelines
1. Without being exhaustive, the following list enumerates activities which are considered unacceptable behavior for lab users:
   a. Unauthorized usage of the lab/network for financial or commercial gain. Commercial activities include but are not limited to consulting, typing services, or developing software for sale.
   b. Attempting to gain unauthorized access to resources or entities.
   c. Using an account owned by another, attempting to monitor or tamper with another's communications or reading, copying, changing or deleting another user's files.
   d. Invading the privacy of individuals.
   e. Using the network for any illegal activity, including violation of copyright or license agreements, gaining unauthorized access to any computer system, or attempting to circumvent data protection measures.
   f. Deliberately degrading or disrupting equipment, software, or network performance, including providing programs intended to damage or place excessive load on a computer system.
   g. Vandalizing the data of another user.
   h. Posting anonymous messages or masking the identity of an account or machine.
   i. Posting messages using the email address or identity of another user.
   j. Harassing or threatening individuals or groups including sending e-mail that would reasonably be anticipated to be unwelcome.

D. General Lab Rules
1. Computer labs are for users currently enrolled in classes at the college.
2. Proof of enrollment must be presented if requested by a Lab Aide.
3. The computer lab is for academic purposes; therefore, a quiet atmosphere is required and enforced.
4. Food and drinks are not permitted, nor are computer games to be played in the lab.
5. Users may not engage in illegal trading of copyright protected music or movie files on the college's network.
6. Unauthorized copying and/or installing of software is not permitted and is a violation of the AUP and software copyright laws.
7. Tampering with the hardware or software settings on individual computers is not permitted.
8. Users should follow the lab printing guidelines when printing. Users are responsible for picking up their printouts.
9. Users found internet surfing for personal reasons may be asked to leave as the labs are reserved for students doing course work.
10. Personal files are not to be stored on the local drive. Instead, the student should store their files on their myFCC account or on a USB drive. USB drives can be purchased at the campus bookstore or from a local retailer.
11. Children are not allowed in the computer lab. The computer lab is a learning environment and is not suitable for children's activities.
12. User-supplied hardware or software will not be allowed on any college computer.

E. Items Left in the Lab
1. Frederick Community College, and the computer lab aides, are not responsible for any items left in the labs. Users leave items at their own risk. Safety and Security maintains a lost and found service for items left in the classrooms, labs, rest rooms, and lounges. Any items left in the lab will be turned over to Security. Items can be retrieved by going to the Security Office, located in A building (first floor).

F. Disclaimer
1. Users of the college information technology resources owned, operated or leased by the college do so subject to applicable laws and college policies and procedures. The college makes no guarantee that the services provided will be error-free or without defect. The school cannot be responsible for any damage suffered including, but not limited to, loss of data or disruption of service. This includes the loss of data resulting from delays, non-deliveries, or user error or omissions. The college disclaims any responsibility and/or warranties for information and materials residing on non-college systems or available via publicly accessible networks.

G. Violations
1. Violations of this procedure will be investigated under the procedure 6.26z - , “Violations of Acceptable Use of Information Technology Resources”.

myFCC (rev. 11/25/08)

C. Account Creation
1. myFCC is the official FCC student email/data storage system. The purpose of this procedure is to outline the intent, creation and configuration details of the student myFCC account, along with the method to follow regarding the use of myFCC for internal and external communication.

1. Enrollment Management will review the request and make recommendations, if necessary, for the adjustment of text, timeline, and/or target market.

C. Unacceptable Behavior Guidelines
1. All lab users are expected to comply with the Acceptable Use of Information Technology Resources Policy 6.26 and all associated procedures.
2. During initial login to the system, students must answer four Challenge Response questions. These questions allow students to reset their own passwords if forgotten.
3. Approved announcements and/or messages will be returned to the sender with appropriate guidelines (e.g., template, timing, etc.).
4. Violations of this procedure will be investigated under the procedure 6.26z - , “Violations of Acceptable Use of Information Technology Resources”.

myFCC (rev. 8/1/07)

A. Purpose
1. Computer labs are for users currently enrolled in classes at the college.
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G. Violations
1. Violations of this procedure will be investigated under the procedure 6.26z - , “Violations of Acceptable Use of Information Technology Resources”.

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Violations of Acceptable Use of Information Technology Resources (rev. 8/1/07)

A. Violations of the Acceptable Use of Information Technology Resources policy or procedures may result in short-term or permanent loss of access to the college information technology resources; and/or may result in civil or criminal prosecution and/or may result in termination of employment; and/or may result in academic discipline or dismissal for students.

B. An Incident Report shall be prepared in all cases of alleged violation of the Acceptable Use of Information Technology Resources policy or procedures.

1. Any individual who becomes aware of an alleged violation should contact Campus Security. Employee or student violators of the procedures are subject to the college's disciplinary policies and procedures that accord the employee or student appeal rights. Based on the nature of the offense and/or number of violations, employees are subject to appropriate personnel action, up to and including dismissal. Students are subject to disciplinary action in accordance with procedures established under the Code of Student Conduct (S.11), up to and including expulsion. If appropriate, the college may pursue criminal and civil prosecution against violators of the guidelines.

a. Each student's application for admission is signed and dated acknowledging his/her agreement to comply with college policies and procedures.

Administrative Withdrawal and Mandatory Evaluation

(rev. 9/10/08)

A. Administrative Withdrawal

1. This procedure is intended to address those circumstances in which a student is unable or unwilling to request a voluntary withdrawal from the college and a mandatory withdrawal is determined to be necessary to protect the health, safety, or property of that student and/or others or the integrity of the learning environment. This could include, but not be limited to, situations such as suicidal threats, self-injurious behavior, threats of bodily harm to, or damage to the property of, another person, and disruption to the normal operations and activities of the college, its students, faculty, or staff.

2. This procedure is not intended to take the place of disciplinary actions that are in response to violations of the Code of Student Conduct, nor does it preclude the suspension or dismissal of students from the college as a result of such violations.

3. Before an administrative withdrawal is considered, the student will be encouraged to take a voluntary withdrawal from the college. In the event that a student does not take such a voluntary withdrawal within 24 hours of notification that the college recommends that he/she does so, the steps described in this Procedure will be implemented.

B. Determinations with Respect to Administrative Withdrawals

1. The Associate Vice President of Student Development or his/her designee may recommend to the Vice President for Learning Support or his/her designee an administrative withdrawal from the college of any student whose behavior poses a risk of harm to the health, safety, or property of such student or others or causes, or threatens to cause, a disruption to the normal operations and activities of the college, its students, faculty, or staff. When making a recommendation about an administrative withdrawal, the Associate Vice President of Student Development or his/her designee will take into consideration the nature and severity of the harm or potential harm, the imminence of the potential harm, the likelihood that the potential harm will occur, the duration of the risk, the ability to mitigate the risk, and the impact of the behavior in question on others in the campus community. The Associate Vice President may consult with other college administrators as appropriate, including the Executive Director of Counseling and Advising, the Director of Services for Students with Disabilities, the Executive Director of Risk Management and Public Safety and any other staff determined to have a “need to know”.

a. The Associate Vice President of Student Development or his/her designee will notify the student in writing and by telephone and/or e-mail that an administrative withdrawal is under consideration.

b. The Associate Vice President of Student Development or his/her designee will discuss the administrative withdrawal procedures with the student and provide the student with a copy of this procedure. Whenever possible and appropriate, the Associate Vice President will encourage the student to take a voluntary withdrawal from the college.

c. The Associate Vice President of Student Development or his/her designee may require a student to undergo a psychological and/or medical evaluation, if he/she believes it will facilitate a more informed decision. If the student fails to initiate such evaluation or refuses to undergo such an evaluation within 48 hours of notification by the Associate Vice President of Student Development or his/her designee that an evaluation is required, the college may automatically withdraw the student from the college.

d. Following consultation with appropriate campus administrators, the Associate Vice President of Student Development will make a recommendation to the Vice President for Learning Support or his/her designee regarding an administrative withdrawal.

e. If the decision is to institute an administrative withdrawal, it will be instituted immediately, and the Associate Vice President of Student Development or his/her designee will inform the student in writing of the decision, as well as the specific requirements for reenrollment.

(1) The specific length of time that the student is to be withdrawn from the college will be determined on a case-by-case basis.

(2) The Vice President for Learning Support or his/her designee reserves the right to notify the affected student’s parent, guardian, or other appropriate person of the administrative withdrawal, if notification is deemed appropriate.

(3) The student’s transcript will reflect a grade of “W” for each course in which the student was enrolled that semester, regardless of whether the withdrawal occurred within the college’s specified withdrawal period.

(4) The Registrar will be notified by the Vice President of Learning Support or his/her designee that the student’s record should have a service indicator preventing reenrollment without authorization from the Vice President for Learning Support.

(5) Instituting an administrative withdrawal will not relieve the student of any and all financial responsibilities associated with his/her attendance at the college at that semester.

(6) Following institution of the administrative withdrawal, the student will not be permitted on the college’s campus or to attend any off-campus college activity, unless and until the student subsequently is permitted to reenroll at the college.

f. If the decision is not to institute an administrative withdrawal, the Associate Vice President of Student Development in consultation with the Vice President for Learning Support or his/her designee may impose other conditions and/or requirements under which the student is allowed to remain enrolled at the college. The student will be notified in writing of the decision and any conditions and/or requirements to remain enrolled.

2. Interim Removal of a Student from Classes and/or Campus. During the period of time that the Associate Vice President of Student Development or his/her designee is seeking to make a determination about an administrative withdrawal, the student in question may be suspended from classes and/or campus as an interim measure pending the Associate Vice President of Student Development or his/her designee’s determination. Specifically, if, in the opinion of the Vice President for Learning Support or his/her designee, and with the concurrence of the President or his/her designee, the presence on campus of the student in question (a) is considered to be an immediate danger to the health, safety, or property of any member of the college community or the public and/or (b) may result in serious disruption to normal college operations, then, the student may be suspended from classes and/or campus as an interim measure pending the results of the determination by the Vice President for Learning Support or his/her designee about an administrative withdrawal.

3. Right to Appeal Administrative Withdrawal

a. A student for whom an administrative withdrawal has been instituted may appeal the decision. The student must submit a written request to the Vice President for Learning Support within five calendar days from the date of receipt of the written notification of the administrative withdrawal. Failure to file a request within the specified time frames the student’s acceptance of the administrative withdrawal and constitutes a waiver of his/her right to further appeal. The appeal will not stay the administrative withdrawal.

b. Upon receipt of the student’s request for an appeal of the administrative withdrawal, the Vice President of Learning Support will notify the student, in writing, of the date, time, and location of the appeal hearing. The hearing will be scheduled no more than fifteen calendar days after receipt of the written request for an appeal.

c. Prior to the hearing, the student will be provided with a written statement of the reasons for the administrative withdrawal.
C. Medical and/or Psychological Evaluation Procedure

1. In connection with his/her making a determination about an administrative withdrawal, the Associate Vice President of Student Development or his/her designee may require a student to participate in a medical and/or psychological evaluation to assess:
   a. Whether the student’s behavior poses a risk of harm to the health, safety, or property of the student or others or causes, or threatens to cause, a disruption to the normal operations and activities of the college, its students, faculty, or staff; and if so, the nature, duration and severity of the risk.
   b. Whether the risk of harm to the health, safety, or property of the student or others or disruption, or threatened disruption to the normal operations and activities of the college, its students, faculty, or staff would likely continue, if the student were to remain enrolled at the college.
   c. Whether reasonable modifications of policies or procedures would mitigate the risk.
   d. Whether the student requires assistance or referral to appropriate support or treatment services.

2. The Associate Vice President of Student Development or his/her designee shall inform the student of this mandated referral for evaluation in writing and provide a copy of this procedure.

3. At the discretion of the Vice President for Learning Support or his/her designee, any pending disciplinary action may be stayed until the evaluation is completed.

4. The evaluation must be completed within 10 calendar days from the date that the student is notified of the requirement to participate in an evaluation, unless an extension is granted by the Associate Vice President of Student Development or his/her designee. The student shall sign a release authorizing the results of the evaluation to be provided to the college representatives who are involved in the decision making process, as identified by the Associate Vice President of Student Development or his/her designee.

5. Should the evaluation result in a determination that there is no risk of harm to the health, safety, or property of the student or others or of disruption, or threatened disruption to the normal operations and activities of the college, its students, faculty, or staff, the Associate Vice President of Student Development and/or his designee may take that into consideration in making a determination with respect to the student about an administrative withdrawal.

6. Should the evaluation result in a determination that there is risk of harm to the health, safety, or property of the student or others or of disruption, or threatened disruption to the normal operations and activities of the college, its students, faculty, or staff, that the behavior is likely to continue, and that reasonable modifications of policies or procedures are not likely to mitigate the risk, it shall be conclusive to the Associate Vice President of Student Development or his/her designee that an administrative withdrawal may be instituted.

4. Request for Reenrollment. Students who have been administratively withdrawn must submit a formal request for reenrollment to the Vice President for Learning Support. Students must present evidence that they have satisfied all conditions of reenrollment that were established at the time the administrative withdrawal was instituted. The Vice President for Learning Support or his/her designee must approve the reenrollment. In approving a request for reenrollment, the Vice President or his/her designee may impose conditions and/or requirements under which the student will be allowed to reenroll. A student will be notified in writing of the decision regarding his/her request for reenrollment, including any conditions and/or requirements under which the student will be allowed to reenroll.

5. Right to Appeal Reenrollment Decision

a. A student whose application for reenrollment has been rejected may appeal the decision. The appeal must be submitted in writing to the President's Office within seven calendar days following receipt of the Vice President's decision. Failure to file a written appeal within the time period presumes the student's acceptance of the Vice President's decision and waives his/her right to further appeal.

b. If a student files a written appeal with the President, a furnished copy of any hearing files and records of the student will be provided to the President.

c. Within seven calendar days of receipt of the student's appeal, the President will notify the student of the date, time, and place of a meeting for the appeal.

d. Within seven calendar days following the meeting between the student and the President, the student will be notified in writing of the President's decision regarding the appeal. The decision of the President is final.

D. Response to Suicidal Behavior

1. When a student, while on campus, engages in suicidal behavior, the college will arrange emergency transportation for the student to an appropriate medical facility. The Vice President for Learning Support or his/her designee will institute an administrative withdrawal effective immediately. Since the student's safety and well-being are at stake, the college will notify the student's parent, guardian, or other appropriate person.

2. Any request for reenrollment following an administrative withdrawal will require that the student provide the college with an appropriate, written statement from a licensed mental health professional, which confirms that the student sought and received, and if required or recommended by the mental health professional, will continue receiving, treatment that enables the student to return to the college without further risk to his/her safety or welfare. The Vice President for Learning Support or his/her designee will review this information with appropriate mental health professionals and with other college administrators as appropriate, including the Executive Director of Counseling and Advising, the Director of Services for Students with Disabilities, the Executive Director of Risk Management and Public Safety, the Associate Vice President of Student Development, and any other staff determined to have a "need to know." The Vice President for Learning Support or his/her designee will determine any additional conditions a student will need to fulfill in order to be reinstated at the college.

3. When a student, while on campus, discusses suicide in a manner which reasonably suggests that he/she is considering engaging in such behavior, the college may refer the student for evaluation under the Student Counseling Program or other mental health or medical provider, mandate a medical/psychological evaluation, arrange emergency transportation for the student to an appropriate medical facility, and/or contact the student's parent, guardian, or other appropriate person and ask him/her to make arrangements for the student's transportation home or to a medical facility or other medical or psychological treatment provider.

4. Where appropriate, the Vice President for Learning Support or his/her designee will recommend an administrative withdrawal. Any request for reenrollment following an administrative withdrawal will require that the student provide the college with an appropriate, written statement from a licensed mental health professional, which confirms that the student sought and received, and if required or recommended by the mental health professional, will continue receiving, treatment that enables the student to return to the college without further risk to his/her safety or welfare. The Vice President for Learning Support or his/her designee will review this information with appropriate mental health professionals and with other college administrators as appropriate, including the Executive Director of Counseling and Advising, the Director of Services for Students with Disabilities, the Executive Director of Risk Management and Public Safety, the Associate Vice President of Student Development, and any other staff determined to have a "need to know." The Vice President for Learning Support or his/her designee will determine any additional conditions a student will need to fulfill in order to be reinstated at the college.
Services.
the Executive Director of Counseling and Advising, or the Assistant Director Risk Management/Public Faculty, staff, or student concerns about student behavior may be reported by completing the 
C. Reporting Concerns involved student may be asked to participate on an ad hoc basis. 
The Department Chair may request that the relevant Program Manager also participate. Further, staff 
of the team by a faculty member, the Department Chair of the relevant discipline will be included. 

The BERT team will consist of the following core members: The Associate Vice President for Student Development, the Executive Director of Counseling and Advising, the Director of Services for Students

B. Team Composition 
The BERT team will consist of the following core members: The Associate Vice President for Student Development, the Executive Director of Counseling and Advising, the Director of Services for Students with Disabilities, the Executive Director, Risk Management/Public Safety, the Assistant Director, Risk Management/Public Services, and the Associate Vice President/Dean of Workforce Development and Professional Preparation. In addition, in cases involving student behavior brought to the attention of the team by a faculty member, the Department Chair of the relevant discipline will be included. The Department Chair may request that the relevant Program Manager also participate. Further, staff from other departments who may have relevant information or who may have knowledge of the involved student may be asked to participate on an ad hoc basis.

C. Reporting Concerns 
Faculty, staff, or student concerns about student behavior may be reported by completing the Behavior Evaluation and Response Team Report form which can be accessed from the Communication Central or from the Academic Office Manager for each academic area. Individuals not able to access the report form can make a verbal report to the Associate Vice President for Student Development, the Executive Director of Counseling and Advising, or the Assistant Director of Risk Management/Public Services.

D. Responding to Reports 
1. If the reported behavior constitutes a violation of an existing college policy or procedure, e.g., Classroom Behavior Procedure, the report will be referred for response under the appropriate existing college procedure.
2. Reports involving potential threats to the health, safety, or property of any person or of the college or of the security of the campus will be communicated to the President or his/her designee. In such cases, response will be in accordance with established Crisis Management policy and procedures.
3. Upon receipt of a report, the Associate Vice President for Student Development or his/her designee will undertake an investigation of the facts that led to the reported concern. This may include contacting the originator of the report for additional details about the reported behavior, obtaining collateral information about the individual named in the report, such as his/her current and prior class schedule, prior reports made to BERT or Campus Security, any prior disciplinary action taken against the individual, etc.
4. The Associate Vice President for Student Development or his/her designee will convene a meeting of BERT members to review the report and information obtained through the investigation. As appropriate, the individual making the report, or other persons deemed to have relevant information or knowledge of the student and/or the complained of behavior, may be asked to attend some or all team deliberations.
5. As appropriate, the team members may recommend that the student named in the report be interviewed by a member of the team, including any ad hoc members participating, because of their knowledge of the student and/or situation.
6. As appropriate, the team members may take such informal actions as: (a) making suggestions or recommendations to any faculty member or staff member who has filed a report, and in compelling circumstances, any student who has filed a report, as to means by which to deal with the behavior of the student who is the subject of the report; or (b) requesting that a staff member in the college's advisory or other service area informally contact the student, who is the subject of the report, in order to suggest that the student meet with the staff member for an informal discussion as to the student's well-being.
7. As appropriate, the team members may recommend referral to existing campus services (e.g., Services for Students with Disabilities) or college-sponsored resources (e.g., Student Counseling Program).
8. As appropriate, the team members may recommend to the Vice President of Learning Support the implementation of specific college procedures relating to disruptive behavior (i.e., Administrative Withdrawal/Referral for Medical and/or Psychological Evaluation).
9. Reports made to BERT, deliberations by team members, and recommended response plans will be maintained in a confidential file within the office of the Associate Vice President for Student Development. Information will be maintained and disclosed in accordance with the college’s compliance with the Family Educational Rights Privacy Act (FERPA).
10. In instances in which team members decide that action should be taken with respect to the student, who is the subject of a report, as provided in Paragraphs 7 and 8 above, the Team will provide notice to the student that a report with respect to him or her has been filed under this Procedure and further, will describe the action under Paragraph 7 or 8 that is being recommended.
11. In all instances, the identity of the person making a report will be maintained in confidence to the extent reasonably possible by the BERT team and those involved in deliberations and will not be disclosed to the student who is the subject of the report.
12. Any person who makes a report under this Policy in bad faith, or in order to intimidate or harass another person will be subject to discipline, up to and including dismissal from the college.

Behavior Evaluation and Response Team
(10/8/08)
A. Introduction
The Behavior Evaluation and Response Team (BERT) is a team of campus officials who receive and evaluate faculty, staff, and student concerns regarding student behavior that may be disruptive, self-injurious, or potentially pose a risk of harm to the health, safety, or property of any person or of the college, or otherwise be dangerous. The goal of BERT is to provide members of the campus community with a response to problematic behavior that maximizes the opportunity to effectively resolve the issue and minimizes the likelihood that problematic behavior will escalate.

B. Team Composition
The BERT team will consist of the following core members: The Associate Vice President for Student Development, the Executive Director of Counseling and Advising, the Director of Services for Students with Disabilities, the Executive Director, Risk Management/Public Safety, the Assistant Director, Risk Management/Public Services, and the Associate Vice President/Dean of Workforce Development and Professional Preparation. In addition, in cases involving student behavior brought to the attention of the team by a faculty member, the Department Chair of the relevant discipline will be included. The Department Chair may request that the relevant Program Manager also participate. Further, staff from other departments who may have relevant information or who may have knowledge of the involved student may be asked to participate on an ad hoc basis.

C. Reporting Concerns
Faculty, staff, or student concerns about student behavior may be reported by completing the Behavior Evaluation and Response Team Report form which can be accessed from the Communication Central or from the Academic Office Manager for each academic area. Individuals not able to access the report form can make a verbal report to the Associate Vice President for Student Development, the Executive Director of Counseling and Advising, or the Assistant Director of Risk Management/Public Services.

D. Responding to Reports
1. If the reported behavior constitutes a violation of an existing college policy or procedure, e.g., Classroom Behavior Procedure, the report will be referred for response under the appropriate existing college procedure.
2. Reports involving potential threats to the health, safety, or property of any person or of the college or of the security of the campus will be communicated to the President or his/her designee. In such cases, response will be in accordance with established Crisis Management policy and procedures.
3. Upon receipt of a report, the Associate Vice President for Student Development or his/her designee will undertake an investigation of the facts that led to the reported concern. This may include contacting the originator of the report for additional details about the reported behavior, obtaining collateral information about the individual named in the report, such as his/her current and prior class schedule, prior reports made to BERT or Campus Security, any prior disciplinary action taken against the individual, etc.
4. The Associate Vice President for Student Development or his/her designee will convene a meeting of BERT members to review the report and information obtained through the investigation. As appropriate, the individual making the report, or other persons deemed to have relevant information or knowledge of the student and/or the complained of behavior, may be asked to attend some or all team deliberations.
5. As appropriate, the team members may recommend that the student named in the report be interviewed by a member of the team, including any ad hoc members participating, because of their knowledge of the student and/or situation.
6. As appropriate, the team members may take such informal actions as: (a) making suggestions or recommendations to any faculty member or staff member who has filed a report, and in compelling circumstances, any student who has filed a report, as to means by which to deal with the behavior of the student who is the subject of the report; or (b) requesting that a staff member in the college's advisory or other service area informally contact the student, who is the subject of the report, in order to suggest that the student meet with the staff member for an informal discussion as to the student's well-being.
7. As appropriate, the team members may recommend referral to existing campus services (e.g., Services for Students with Disabilities) or college-sponsored resources (e.g., Student Counseling Program).
8. As appropriate, the team members may recommend to the Vice President of Learning Support the implementation of specific college procedures relating to disruptive behavior (i.e., Administrative Withdrawal/Referral for Medical and/or Psychological Evaluation).
9. Reports made to BERT, deliberations by team members, and recommended response plans will be maintained in a confidential file within the office of the Associate Vice President for Student Development. Information will be maintained and disclosed in accordance with the college's compliance with the Family Educational Rights Privacy Act (FERPA).
10. In instances in which team members decide that action should be taken with respect to the student, who is the subject of a report, as provided in Paragraphs 7 and 8 above, the Team will provide notice to the student that a report with respect to him or her has been filed under this Procedure and further, will describe the action under Paragraph 7 or 8 that is being recommended.
11. In all instances, the identity of the person making a report will be maintained in confidence to the extent reasonably possible by the BERT team and those involved in deliberations and will not be disclosed to the student who is the subject of the report.
12. Any person who makes a report under this Policy in bad faith, or in order to intimidate or harass another person will be subject to discipline, up to and including dismissal from the college.

Classroom Behavior
Policy (4/20/05, under revision)
Faculties have the right and responsibility to maintain an environment conducive to learning where discussion and expression of all views relevant to the subject matter of the class are recognized as necessary to the educational process. Students, however, do not have the right to interfere with the freedom of the faculty to teach or the rights of students to learn. Procedure 5.17 is designed to provide an efficient and informal process for resolving student-instructor classroom conflicts.

Procedure (rev. 10/8/08)
A. Introduction
Instructors have the right and responsibility to maintain an environment conducive to learning where discussion and expression of all views relevant to the subject matter of the class are recognized as necessary to the educational process. Disruptive students in the academic setting hinder the educational process. Accordingly, instructors should establish, communicate and enforce reasonable rules of class behavior and decorum via the syllabus and class discussion. Recognizing that learning takes place in areas other than traditional classrooms, the Classroom Behavior Policy and Procedures apply to learning environments, including but not limited to, clinical sites, field trips, library visits, off-site facilities, online learning environments and Continuing Education courses (with the exception of courses specifically designated for younger ages such as Kids on Campus and Home School Enrichment courses, which have specific procedures for addressing classroom behavioral issues). Copies of the college's Classroom Behavior Policy and Procedures will be posted in learning environments including the Writing Center, Library, Math Learning Center, Computer Labs, Blackboard, etc. Civil expression of disagreement with the instructor or other students during times when the instructor permits discussion is not in itself disruptive behavior and should not be prohibited.

Admissions and Academic Policy Committee
The Admissions and Academic Policy Committee considers written appeals from students who are requesting an exception to policy in the area of records and registration. Forms are available in the Welcome & Registration Center. Documentation is required. The Committee, part of the college Senate, meets once a month and students are notified in writing of the results.

Attendance (under revision)
Students are expected to attend all class sessions except in an emergency, religious holidays or participation in official college functions. In these cases, notification or verification, if requested, will be given to the instructor by the student. Guidelines for expected attendance in each course are set and published by the instructor.
C. Disruptive or Threatening Behavior

Consultative resource for faculty, intended to ensure an opportunity to evaluate problematic behavior which, while not considered to be a violation of this procedure, warrants evaluation, can make behavior before it escalates to the point of requiring intervention.

Behavior Evaluation and Response Team — Instructors who have concerns about student behavior which, while not considered to be a violation of this procedure, warrants evaluation, can make a referral to the Behavior Evaluation and Response Team (BERT). The BERT team functions as a consultative resource for faculty, intended to ensure an opportunity to evaluate problematic behavior and develop a response designed to prevent escalation (Procedure 5.11b).

C. Disruptive or Threatening Behavior

1. Disruptive behavior means conduct that substantially interferes with or obstructs the teaching or learning process in the context of a classroom or educational setting. Examples include but are not limited to:
   a. Inappropriate use of electronic devices including cell phones, video players, tape players, laptops, etc.
   b. Inappropriate comments or personal insults, conveyed orally or in writing, including communications within e-mails, and online course venues.
   c. Persistent speaking without being recognized or interrupting other speakers.
   d. Behavior that distracts the class, such as sleeping, holding private conversations, frequent leaving/entering the classroom, etc.
   e. Conduct that distracts or intimidates others in a manner that interferes with instructional activities.
   f. Refusal to comply with instructor's directions.

2. Threatening behavior is defined as any statement or communication — including those in written form, conduct or gesture — directed toward any member of the college community that causes reasonable apprehension of physical harm to a person or property. Threatening behavior can be explicit or implicit. An implicit threat may also include behaviors that make one feel uncomfortable, like invading another's personal space or using techniques of behavioral intimidation, such as yelling or using aggressive gestures. The threatening behavior does not have to be directly observed or received by the person who is the object of the threat, so long as a reasonable person would interpret the statement, communication, conduct, or gesture as an expression of intent to harm.

3. Students who may have a disorder that manifests itself in disruptive behaviors, while considered disabled and protected under the Rehabilitation Act of 1994/ADA, are still held to the same standards of conduct as any student.

D. Responding to Disruptive or Threatening Behavior

Recognizing that disruptive behavior often involves a continuum of behavior, the college has developed both informal and formal responses to address disruptive class behavior. Whenever possible, attempts should be made to resolve the situation through the informal process.

As this procedure extends beyond the traditional classroom to all forms of learning environments including online environments, references to suspending a student from a class on an interim basis or for the duration of the semester apply to online students as well. Students who are suspended from an online class on an interim basis will have their access to that particular online course blocked for the duration of the suspension; they will however, retain access to any other online course in which they are registered. Students who are suspended from an online class for the duration of the semester will be administratively withdrawn from the class and their access to that course blocked.

Response to disruptive behavior involves progressive sanctions ranging from verbal warnings to referral for action under the college's Code of Student Conduct commensurate with the nature, severity, and frequency of violations. However, involuntary suspension from the classroom for more than one class period, involuntary withdrawal from the class, or more serious sanctions require that the disciplinary procedures set forth in D. 2. below be followed.

1. Informal Resolution

Informal resolution is intended to provide recourse for an instructor to address disruptive behavior with the goal of providing the student the opportunity to modify the behavior to conform to the behavioral standards established by the instructor as necessary to remain in the class.

a. If a student's behavior, in the judgment of the instructor, willfully disrupts the teaching and learning process, the instructor should issue a warning, explaining that such behavior is unacceptable, instructing the student on the behavior that is required in the future and describing the consequences if the behavior does not cease.

b. If necessary, the student may be asked to leave the class for the remainder of the class time, or in the case of an online student, suspended from the class until a meeting between the instructor and student is held. If the student does not do so willingly, the instructor will request the assistance of the Frederick Community College Security Office. The instructor should inform his/her Department Chair.

c. In instances where a student has been asked to leave the class or suspended from an online course, the instructor and student must meet prior to the next scheduled class, or as soon as possible in the case of an online student, to resolve the issue and review class expectations in order to be reinstated in the class. At this meeting, the instructor will inform the student of the unacceptable behavior, instruct the student on the behavior that is required in the future, and describe the consequences if the behavior does not cease. Consequences can include referral for formal resolution. The instructor or student may wish to request that a member of the Student Development staff participate in this meeting.

d. Should the student refuse to meet with the instructor, the instructor will complete a Disruptive Classroom Behavior Report and the case will be referred for resolution under the Formal Resolution procedures.

2. Formal Resolution

Formal resolution provides recourse for those situations involving: a) behavior which represents a potential threat to the safety and/or security of the faculty and/or students; b) disruptive behavior that continues after an attempt to resolve the situation through informal resolution has failed, or c) a student's refusal to comply with an instructor's attempt to resolve the situation informally.

a. The instructor must submit a Disruptive Classroom Behavior Report to the Vice President of Learning Support through the college Security Office. The report should include any documentation related to prior incidents and the names of any witnesses.

b. Upon receipt of a Disruptive Classroom Behavior Report, the Vice President of Learning Support or his/her designee will schedule a meeting with the student, the instructor, the Department Chair, and in the case of an online class, the Director of Distance Learning. Whenever possible, this meeting will be scheduled prior to the next scheduled class session or as soon as possible in the case of an online student. In the event that an online instructor or student does not reside locally, the meeting may involve remote participation.

c. At that meeting, the Vice President of Learning Support may 1) require the student to provide some oral or written assurance that there will be no further incidents of disruptive behavior as a condition for reinstatement to the class, 2) apply an interim suspension and suspend the student from the class as an interim measure until any stipulated conditions are met, 3) recommend an Administrative Withdrawal (Procedure 5.11c), or 4) apply a disciplinary sanction in accordance with the Code of Student Conduct (Procedure 5.11a).

d. If, in the finding of the Vice President for Learning Support, a resolution is unable to be reached that allows for the immediate reinstatement of the student to the class, the Vice President of Learning Support will apply an interim suspension from the class pending an administrative hearing. The Vice President of Learning Support will schedule the administrative hearing with the student, the instructor, the Vice President of Learning Support and the Vice President of Learning within five calendar days of the initial meeting with the student, instructor and Department Chair. The Vice President of Learning will make a determination regarding the student's suspension from the class for the duration of the semester.

e. Following an administrative hearing, where there is sufficient evidence to support the suspension from the class for the duration of the semester, the Vice President of Learning Support will inform the student of the suspension in writing within five calendar days after meeting with the student. A student who has been suspended from a class for the duration of the semester is entitled to a formal hearing before the college's Student Disciplinary Committee. The request for a hearing must be made within five calendar days of receiving the written notice of suspension from the class by the Vice President of Learning Support. Failure to file a request for a formal hearing within the specified time frames the student's acceptance of the suspension and constitutes a waiver of his/her right to further appeal.
E. Appeal

A request for an appeal of any disciplinary sanction or suspension from the class for the duration of the semester will follow the process outlined under Sections M, N, and P of the Code of Student Conduct (Procedure 5.11a). In cases of an appeal of a suspension from the class for the duration of the semester, the suspension from the class will stand pending the outcome of the appeal hearing. The student remains responsible for all registered course assignments during the appeal process.

F. Interim Suspension from the Class

1. If the Vice President of Learning Support or his/her designee, after conferring with the instructor and Department Chair, determines that a student's behavior in the class seriously compromises the safety and security of the learning environment, a student may be suspended from the class as an interim measure.

2. The interim suspension may be issued: a) upon receipt of a Disruptive Classroom Behavior Report, pending a meeting with the student, instructor, Department Chair, and Vice President of Learning Support or his/her designee; b) pending an administrative hearing between the student, instructor, Vice President of Learning Support and Vice President of Learning in cases where a meeting with the student, instructor, Department Chair and Vice President of Learning Support did not result in a resolution that allowed for the immediate reinstatement of the student to the class.

3. A student who is subject to interim suspension from the class will be notified in writing by the Vice President of Learning Support within twenty-four hours of the student's interim suspension from the class. The student has the right to have his/her case heard expeditiously to present his/her side of the story.

G. Records

Disciplinary action resulting from the imposition of a written disciplinary sanction by the Vice President for Learning Support will result in the establishment of a disciplinary file in the name of the accused student. Files will be kept in accordance with the records retention process outlined in Section R of the Code of Student Conduct (Procedure 5.11a).

Code of Student Conduct

Policy (rev. 10/8/08)

A. Philosophy and Purpose

Frederick Community College has a responsibility to establish and maintain standards of behavior that are considered essential to its function as a learning institution. Students are required to obey the law, show respect for properly constituted authority, comply with and perform contractual obligations, maintain integrity and high standards in academic work, and demonstrate responsible personal and social conduct appropriate for an educational institution. As members of the college community, students are expected to recognize the worth of each member and treat every individual with dignity and respect regardless of their race, religion, gender, color, national origin, ancestry, age, sexual orientation, marital status, physical or mental disability of otherwise qualified individuals and any other category protected by federal, State or local law.

B. Authority

The Code of Student Conduct is adopted by the Frederick Community College Board of Trustees.

C. Application and Scope of Jurisdiction

1. Disciplinary action will be taken when any student, group of students, or student organization fails to observe the general standards of conduct or any specific college policy, procedure, rule, or regulation, or acts in a manner that is not in the best interest of the college community. In all proceedings, the principle of due process is guaranteed to the student.

2. A student who violates criminal or civil laws while on campus, off-campus at college-leased or owned facilities, attending college-sponsored activities or any activities which are initiated, authorized, or supervised by Frederick Community College, or when representing the college as an interim measure should the presence of the student on campus be considered an immediate danger to the health, safety, or property of themselves or other members of the college community or public, or whose behavior causes, or threatens to cause, a disruption to the normal operations and activities of the college, its students, faculty or staff. This action requires the recommendation of the Vice President for Learning Support or in his/her absence an appointed representative) and concurrence of the President (or in his/her absence the Acting President). Financial and academic consequences of this suspension are the responsibility of the student.

3. The college reserves the right to take immediate action to suspend a student from the campus as an interim measure should the presence of the student on campus be considered an immediate danger to the health, safety, or property of themselves or other members of the college community or public, or whose behavior causes, or threatens to cause, a disruption to the normal operations and activities of the college, its students, faculty or staff. This action requires the recommendation of the Vice President for Learning Support or in his/her absence an appointed representative) and concurrence of the President (or in his/her absence the Acting President). Financial and academic consequences of this suspension are the responsibility of the student.

4. Persons not officially enrolled in the college, who by their actions on-campus violate their status as invited guests, are subject to the relevant sanctions of the penal code of Maryland and/or College Policy/Procedure 6.32.
C. Student Rights and Responsibilities

Frederick Community College recognizes that its students have certain rights as members of the college community and also bear certain responsibilities as well.

1. Students have the right to freedom of expression, assembly, advocacy and inquiry. Students are responsible for complying with all college policies, procedures rules, and regulations.

2. Students have the right to offer opposing opinions and to reserve judgment about matters of personal opinion. Students are responsible for exercising their right of personal expression in a manner that is not disruptive or defamatory.

3. Students have the right to offer opposing opinions and to reserve judgment about their views, beliefs, academic evaluations, political affiliations, and educational records. Students are responsible for respecting this right of others.

4. Students have the right to participate in, or receive the benefits of any educational program or activity provided by the college without regard to their race, religion, gender, color, national origin, ancestry, age, sexual orientation, marital status, physical or mental disability of otherwise qualified individuals and any other category protected by federal, State, or local law.

5. Students have the right to participate in any student group without discrimination and to form such groups according to the Student Government Association's (SGA) policies. Student groups are responsible for not discriminating against others.

6. Students have the right to form a student government which shall be governed by a constitution approved by the President of the college and the President's Cabinet. Students are responsible for abiding by that constitution. The actions of the student government may be reviewed only through prescribed procedures.

7. Students have the right to participate in the formulation of institutional, academic and student policies. Opportunities for such participation will be provided through representatives to the college Senate and appropriate committees. As participants in the institutional process, students are responsible for complying with all published and prescribed procedures, attending meetings, and participating in the decision-making process with the welfare of the entire student body in mind.

8. Students have the right to recommend allocation of funds collected from student fees. Organizations receiving such funds are responsible for opening all programs and events to the entire student population without exception and will abide by the prescribed procedures outlined in the SGA Funding Guidelines.

9. Students have the right to participate in the evaluation process of academic courses, programs, and services. Students are responsible for rendering fair and accurate evaluations.

10. Students have the right to fair evaluation by instructors, based upon clearly defined criteria presented at the beginning of the course. Students are responsible for meeting all established requirements of each course in which they enroll.

11. Students have the right to expect that the college’s published procedures will be followed in any disciplinary action. Students are responsible for following all policies, procedures, rules, and regulations that apply to student conduct.

12. Students have the right to file academic or general grievances against any faculty or staff member who has, in a student’s opinion, displayed inappropriate behavior or violated college policies, procedures, rules, or regulations. Students are responsible for following the college’s policies and procedures.

D. Definitions When used in this Code:

1. The term “college” means Frederick Community College and, collectively, those responsible for its control and operation and applies to all sites at which the college conducts classes and/or activities.

2. The term “college premises” means buildings or grounds owned, leased, operated, controlled, or supervised by the college.

3. The term “student” includes any person who has registered either for a credit or non-credit courses on a full-time or part-time basis.

4. The term “instructor” means any person hired or retained by the college to conduct educational activities.

5. The term “faculty member” means any person hired or retained by the college to conduct classroom instruction.

6. The term “group” means a number of persons who have not yet completed the formal requirements of college recognition as defined in the Constitution of the Student Government Association.

7. The term “college official” pertains to all college employees.

8. The term “college community” includes students and all employees of the college as well as any independent contractors retained by the college to conduct educational activities or provide classroom instruction.

9. The term “student organization” means any entity officially recognized by the Student Government Association of Frederick Community College.

10. The term “President” means the President of Frederick Community College, or his/her designee.

11. The term “organization” means a number of persons who have compiled with formal requirements of college recognition as defined in the Constitution of the Student Government Association.

12. The term “college-sponsored activity” means any activity (including, but not limited to, research, studying, administration, participation in field experiences, online activities, internships, athletic, and cultural events), whether on campus or off campus, that is initiated, authorized, or supervised by the college, or that involves representation of the college.

13. The term “classroom” refers to any environment in which teaching occurs including courses offered online.

14. The term “disruptive classroom behavior” means behavior which the instructor would view as interfering with the conduct of the class. Specific examples of disruptive behavior are outlined in Policy/Procedure 5.17.

15. The term “distribution” means any form of sale, exchange, or transfer.

16. The term “weapon” means any object or substance designed to inflict a wound, cause injury, or death, or incapacitate, including, but not limited to, all firearms, explosives, pellet guns, sling shots, martial arts devices, brass knuckles, star knives, razors, sand clubs, nunchucks, Bowie knives, daggers or similar knives, switchblades, and chemicals such as tear gas.

17. The term “sexual harassment” means unwelcome sexual advances, requests for sexual favors and other inappropriate behavior of a sexual or gender-based nature when made by a member of the college staff to a student, by a student to a college staff member, or by a student to another student (see College Policy 3.18/Procedure 5.19 for additional information).

18. The term “sexual assault” is defined by Maryland Annotated Code as rape, forcible sodomy, or forcible sexual penetration, however slight, of another person’s anal or genital opening with any object by a stranger or acquaintance. These acts must be committed either by force, threat, intimidation or through the use of the victim's mental or physical helplessness of which the accused was aware or should have been aware (Level 1); the touch of an unwilling person's intimate parts (defined as genitalia, groin, breast or buttocks, or clothing covering them) or forcing an unwilling person to touch another's intimate parts, in any case by a stranger or acquaintance. These acts must be committed by force, threat, intimidation or through the use of the victim’s mental or physical helplessness of which the accused was aware or should have been aware (Level 2) (see College Policy/Procedure 6.24 for additional information).

19. The term “calendar days” means Sunday through Saturday of each week excluding days on which the college is officially closed.

20. The term “complainant” means an individual who makes a complaint that a violation of the Code has occurred.

21. The term “shall” is used in the imperative sense.

E. Procedural Safeguards

Students accused of violations of the Code of Student Conduct are entitled to the following procedural protections:
1. To be informed of the specific charges against him/her.

2. To be allowed an opportunity for a hearing in which to present evidence and otherwise to have his/her side of the story heard.

3. To be allowed reasonable time to prepare a defense.

4. To be allowed an opportunity to defend him or herself with knowledge of the adverse evidence.

5. To call and question relevant witnesses presented by the college in accordance with the procedures outlined in Section N.1.

6. To be assured of confidentiality in accordance with the terms of the Family Educational Rights and Privacy Act of 1974.

7. To be considered innocent of the charges until proven to be in violation of the Code of Student Conduct by the preponderance of the evidence.

8. The right to appear alone or with one advisor who may advise the accused but not question witnesses, present information or argument or otherwise participate directly in the hearing; legal counsel is permitted to serve as the student’s advisor, at the student’s expense, only when the student faces concurrent criminal charges, the institution proceeds through counsel, or the student faces potential suspension or expulsion from the institution.

F. Proscribed Conduct
The Code of Student Conduct provides guidelines for violations that are most readily identifiable. Violations not specifically mentioned may still subject a student to disciplinary action.

The following acts, when committed by any students of Frederick Community College, shall constitute misconduct under this Code, and apply to all acts on campus, off-campus at college-leased or owned facilities, when attending college-sponsored activities or any activities (including participation in field experiences, online activities, internships, athletic, and cultural events) which threaten or endangers the health or safety of any such person. Sexual harassment violations are reported and adjudicated in accordance with College Policy/Procedure 3.18.

i. Theft or attempted theft of college or personal property of a member of the college community or campus visitor, or knowingly possessing stolen property.

j. Illegal gambling.

k. Obscene or indecent conduct on college property.

l. Forger, unauthorized alteration, falsification of, or unauthorized use of any college documents (including those submitted to the college as part of its admissions process), records, keys, or instruments of identification.

m. Furnishing false information to the college or to members of the college community who are acting in the exercise of their official duties, including providing false information on any college application, transcription, or written document.

n. Illegal or unauthorized use, possession, or storage of any weapon, fireworks, explosive, or dangerous chemical. Students who are employees of law enforcement organizations and are required to carry a weapon on campus must notify the security office in writing of their intent to carry a licensed weapon at the beginning of each semester.

o. Unauthorized use or misuse of the college name for soliciting funds or for sponsorship of activities, or on printed matter.

p. Use of all tobacco products on all college property, either owned or leased, with the exception of designated parking lots (see College Policy/Procedure 6.21).

q. Acts of harassment, written, verbal or physical, that stigmatizes or victimizes an individual on the basis of, but not limited to, the following: race, religion, gender, color, national origin, ancestry, age, sexual orientation, marital status, physical or mental disability of otherwise qualified individuals and any other category protected by federal, State or local law. (Sexual harassment violations are reported and adjudicated in accordance with College Policy 3.18/Procedure 5.19; acts of harassment based on race, religion, gender, color, national origin, ancestry, age, sexual orientation, marital status, physical or mental disability of otherwise qualified individuals and any other category protected by federal, State, or local law are adjudicated in accordance with College Policy/Procedure 3.17.)
r. Violation of rules and regulations pertaining to the operation of automobiles, bicycles, mopeds, or other vehicles on college property or at college-sponsored activities.
s. Deliberate destruction of, damage to, malicious use of, or abuse of college property or property under its jurisdiction or the property of a member of the college community or campus visitor.
t. Intentional initiation or causing to be initiated any false report, warning, or threat of fire, explosion, or other emergency.
u. Violating fire or safety regulations, including the unauthorized use or misuse of fire safety equipment or damage of said equipment.
v. Unauthorized or fraudulent use of the college's facilities and/or equipment, or use of any of the above for any illegal act.
w. Irresponsible, unethical, unauthorized, or illegal use of, or entry to the college's information technology resources, including its network, e-mail system, and data bases (see College Policy/Procedure 6.26).
x. Threatening or intimidating any person who: 1) has or may file an allegation of a violation of this Code against you, and/or 2) may be a witness in any proceedings or investigation of an alleged violation of the Code.
y. Repeated violations of the Code of Academic Integrity (see College Policy/Procedure 4.12).
z. Deliberate filing of false accusations of sexual harassment.
aa. Any other act(s) on college property or at college-sponsored activities that are in violation of Maryland or federal law.
bb. Knowingly violating the terms of any disciplinary sanction imposed in accordance with the Code of Student Conduct.

G. Sanctions
The goal of student discipline is generally to rehabilitate or deter rather than to punish or remove the offending student from the college community. Student disciplinary action may be imposed for a violation of the Code of Student Conduct or other college policy, procedure, rule, or regulation or violation of civil or criminal law. The severity of the penalty will be in relation to the severity of the violation. Penalties will be applied consistently so that students violating the same standard, policy, rule, regulation or procedure receive similar penalties, provided however, that the occurrence of prior instances of disciplinary offenses may result in the imposition of more severe discipline than for a single violation. Although a student's disciplinary history will have no bearing on the determination if a student is in violation of the Code, his/her full disciplinary history may be considered in determining the sanction.

The following range of disciplinary sanctions may be imposed through formal adjudication based on the determination of the Vice President of Learning Support or his/her designee (Added to address Senate concerns regarding who determines the seriousness of the offense.)

1. Disciplinary warning - In cases of a minor violation, a written or verbal warning may be issued. Its purpose is to notify the student that the behavior resulting in the warning is unacceptable and is a violation of the Code of Student Conduct. Continuation or repetition of this conduct could result in further disciplinary action.
2. Disciplinary reprimand – In cases of a serious violation, a written reprimand may be issued. The reprimand is intended to notify the student that the behavior resulting in the reprimand is a violation of the Code of Student Conduct and will not be tolerated. Continuation or repetition of this conduct could result in more severe disciplinary action.
3. Disciplinary probation – Indicates that an extremely serious violation of the Code has occurred or an additional violation has occurred after the prior issuance of a reprimand. The probation shall last for a stated period of time and until any conditions imposed have been met. Any misconduct during or after the probationary period will result in further disciplinary action and may result in suspension.
4. Suspension from enrollment in a particular class on an interim basis or for the duration of the semester. Issued in cases where the behavior, determined to be a violation of the Classroom Behavior Procedure, has compromised the learning environment of a particular class. Suspension from the class for the duration of the semester requires the approval of the Vice President for Learning in accordance with the Classroom Behavior Procedure 5.17. (Added to address Senate comment that consultation with instructor should occur – consultation with instructor is stipulated in procedure 5.17.)
5. Suspension from enrollment in a particular program of study. Issued in cases where the behavior, determined to be a violation of the Code of Student Conduct, has compromised the learning environment of a particular program of study. After suspension from a program of study, the student may not re-register for the program without the approval of the Vice President for Learning. This sanction requires the approval of the Vice President for Learning.
6. Disciplinary suspension – Indicates that a critical violation of the Code of Student Conduct has occurred or the conditions of disciplinary probation have been violated. Disciplinary suspension results in a student's involuntary separation from the college for a stated period of time and until any imposed condition is met. The student is not permitted to enter campus without the express permission of the Vice President for Learning Support and concurrence of the President. A notation is entered on the student's transcript and will remain there for the duration of the suspension. This penalty may be applied only with the recommendation of the President and approved by the Board of Trustees.
7. Expulsion – Is the most serious of all sanctions and indicates that a most serious violation of the Code of Student Conduct has occurred. Expulsion results in permanent separation from the college and will be noted on the student's transcript. The student is not permitted to enter campus without the express permission of the Vice President for Learning Support and concurrence of the President. A notation is entered on the student's transcript and will remain there permanently. This penalty may be applied only with the recommendation of the President and approved by the Board of Trustees.

H. Emergency Disciplinary Procedures

1. Interim Suspension from Campus
a. If, in the opinion of the Vice President for Learning Support (or in his/her absence, an appointed representative), and with the concurrence of the President (or in his/her absence, the Acting President), the presence of a student on campus is considered to be an immediate danger to the health, safety, or property of any members of the college community or the public and/or may result in serious disruption to normal college operations, a student may be suspended from campus and all classes as an interim measure. Financial and academic consequences of this suspension are the responsibility of the student.
b. A student suspended from campus will be afforded an administrative hearing in accordance with procedures outlined in Section M. If the suspension is upheld after the Administrative Hearing, the student may request a formal hearing by the Student Discipline Committee in accordance with Section M, 4.b.3. The suspension, however, will stand pending the outcome of the hearing.

2. Interim Suspension from the Classroom
a. If a student's behavior in the classroom seriously compromises the safety and security of the learning environment and cannot be resolved under the college's Classroom Behavior Policy/Procedure, a student may be removed from the classroom as an interim measure in accordance with the Classroom Behavior Procedure 5.17.

I. Additional Conditions
The following conditions may be imposed in lieu of a disciplinary sanction or in combination with any disciplinary sanction listed above:

1. Educational project or community service assignment. A project or assignment on campus or in the community which will provide the student with an opportunity to observe and learn specific valued human behaviors related to his/her own conduct (e.g., participation in a leadership seminar, alcohol/drug seminar, personal development class). Evidence of satisfactory completion will be required.
2. Referral for specialized help (e.g., psychological assistance, consultation with a counselor and/or social service agency). Student would be required to meet periodically with the Associate Vice President for Student Development to review his/her progress. In addition, consents by the student will be required to allow the college to communicate with the provider of specialized help in order to determine the student's progress and to allow the provider to respond.
3. Probation or deactivation of a Student Government Association recognized group. This may involve loss of all privileges, including college recognition.
4. Suspension/expulsion from participation in college-related activities (e.g., participation in intercollegiate athletics, student government association, student clubs and organizations, etc.).
5. Withholding of transcript or degree. This may be imposed on a student who fails to pay a debt owed the college or who has a disciplinary case pending final disposition.
J. Reporting an Alleged Violation of the Code of Student Conduct

1. Following an investigation by the FCC Security Office, requested by the Vice President of Learning Support or his/her designee, the Frederick Community College Security Office will conduct an investigation of the alleged violation by collecting evidence and interviewing witnesses and will consult with the Vice President of Learning Support and if appropriate, the Associate Vice President for Student Development in the course of the investigation. A violation of civil or criminal law will be reported to the appropriate law enforcement agency and the Security Office will conduct the investigation in coordination with law enforcement authorities.

2. All written notices will be sent by registered and priority mail. Time lines for responding to written notices are determined by the date the registered letter is mailed. Failure to accept a registered letter, however, constitutes an acknowledgement that a violation of the Code of Student Conduct has occurred and the student's rights to any further appeal are waived.

K. Conference with Alleged Violator

1. Failure to respond to the written notice within five calendar days of receiving the written notice shall constitute acceptance of the administrative sanction imposed.

2. If the student acknowledges that a violation has occurred and agrees to accept the administrative disciplinary sanction, he/she shall sign a statement that he/she understands the charge(s), the sanction imposed, and agrees to waive his/her right for a formal hearing to hear the appeal of his/her case before the college's Student Discipline Committee. The signed statement must be returned within five calendar days of receiving the written notice.

3. If the student refuses to accept the administrative disciplinary sanction imposed, the student is entitled to a formal hearing before the college's Student Discipline Committee. The request for a formal hearing must be made in writing to the Vice President for Learning Support or his/her designee within five calendar days of receiving the written notice. Failure to file request for a formal hearing to hear the appeal within the specified time shall constitute the student's acceptance of the administrative disciplinary sanction and shall also constitute a waiver of his/her right to further appeal.
N. Initiation of a Hearing by the Student Discipline Committee

1. The Student Discipline Committee shall be a standing committee of the college Senate. The duties of the Committee are to hear student disciplinary cases, decide on the merits of the charges based on the evidence presented, and either: 1) uphold the finding that the student violated the Code and uphold the sanction imposed by the Vice President for Learning Support; 2) uphold the finding that the student violated the Code, but impose a different sanction; or 3) find that the student did not violate the Code and dismiss all charges against the student.

Membership of the Committee shall be constituted in accordance with the college Senate Constitution: a chairperson elected by the college Senate, and two (2) representatives from Learning, two (2) representatives from Learning Support, and three (3) representatives appointed by the Student Government Association. When appropriate, alternates will be appointed by the Senate chairperson. (Note: Senate recommended not delineating the membership but rather indicate that membership was per Senate Constitution. However, as students do not have ready access to the Senate Constitution, it was felt that membership should be specified for student awareness.)

The chairperson will vote only in the case of a tie. A quorum shall consist of the chair and four members of the Committee, of which at least one member shall be from Learning, one member shall be from Learning Support, and one member shall be from the Student Government Association.

2. Upon receipt of the student’s request for a hearing of the appeal, the Vice President of Learning Support or his/her designee will notify the student, in writing, of the date, time, and location of the hearing. The hearing will be scheduled no more than fifteen calendar days after receipt of the written request for a hearing.

3. Prior to the hearing, the student will be:
   a. Provided with a written statement of the violation charge(s) against him/her.
   b. Provided with a list of potential witnesses against him/her and the nature of their proposed testimony, unless it is determined that providing the names of witnesses might be a threat to the witnesses’ welfare. Reciprocally, the student will provide the college, in advance, a list of potential witnesses and the nature of their proposed testimony.
   c. The right to appear alone or with one advisor who may advise the accused but not question witnesses, present information or argument or otherwise participate directly in the hearing, legal counsel is permitted to serve as the student’s advisor, at the student’s expense, only when the student faces concurrent criminal charges, the institution proceeds through counsel, or the student faces potential suspension or expulsion from the institution.
   d. Allowed to examine, in advance, any written evidence or exhibits which the college plans to submit, reciprocally, the student will allow the college to examine, in advance, any written evidence or exhibits the student plans to submit.
   e. Advised of the right to argue in his/her behalf, present evidence and witnesses, and question witnesses present in accordance with guidelines regarding witness participation outlined in Section N.1 and offer evidence in support of their position(s). The accused student also will be given the opportunity to speak on his/her behalf.
   f. Witnesses will be excluded from the hearing room and brought in individually before the hearing.
   g. Committee members may ask questions of the witnesses after examination and cross-examination have taken place.
   h. At the close of all testimony and after admission of all evidence, each side shall be allowed a closing statement.
   i. The burden of proof shall rest with the college. Its burden of proof will be met by a preponderance of the evidence. Evidence shall include, but is not limited to, facts based on oral and/or written testimony and tangible evidence.
   j. A simple majority vote of the Committee shall determine whether the accused student has violated the Code or any other college policy, procedure, rule, or regulation and if so, the disciplinary penalty, if any.

4. Proceedings
   a. The Vice President for Learning Support or his/her designee and the accused student will be present at the hearing. The hearing will be closed to the public. The chairperson of the Student Discipline Committee shall have the duty of maintaining order at the hearing, excluding any disruptive party or witnesses from the hearing. The chairperson shall have the right to ask questions of the witnesses provided that the Chairperson shall have the discretion to establish appropriate questioning parameters.
   b. The Vice President for Learning Support or his/her designee and the accused shall have the right to traverse the evidence of the other side. The time allowed for the traverse shall be at the discretion of the chairperson. Legal counsel is permitted to serve as the student’s advisor, at the student’s expense, only when the student faces concurrent criminal charges, the institution proceeds through counsel, or the student faces potential suspension or expulsion from the institution.
   c. Closing statements by the accused followed by the accuser.
   d. Private deliberation by the Student Discipline Committee.

2. Failure to file a written appeal within the time period of appeal presumption of the student’s acceptance of the Committee’s decision and waives his/her rights to further appeal.

3. If a student files a written appeal with the President, a copy of the hearing file will be provided to the President.

Order of Presentation
1. The hearing shall be closed to the public. The chairperson of the Student Discipline Committee shall have the duty of maintaining order at the hearing and, therefore, shall have the right to exclude any disruptive party or witnesses from the hearing. The chairperson shall have the right to ask questions of the witnesses provided that the Chairperson shall have the discretion to establish appropriate questioning parameters.

Failure of the student to appear for the hearing without prior notification or evidence of extenuating circumstances, provided adequate advance notice of the hearing time, date, and location has been given, waves his/her right for further appeal and the disciplinary action taken by the Vice President for Learning Support will stand. All meetings of the Student Discipline Committee will be taped or transcribed. In addition, the following will be observed:

Order of Presentation
a. Opening statements of accuser (Vice President for Learning Support or his/her designee) and accused, if desired by each.

b. Presentation of evidence by accuser, then accused.
4. Within seven calendar days of receipt of the student’s appeal, the student will be notified in writing of the President’s decision regarding the appeal.

5. If all administrative processes have been exhausted, a student is entitled to appeal in writing to the college’s Board of Trustees through the President. The appeal must be filed within seven calendar days following receipt of the President’s decision. The Board may or may not decide to hear the appeal.

Q. Reenrollment Following a Disciplinary Suspension

A student who has been subject to disciplinary suspension from the college must submit a formal request for reenrollment to the Vice President for Learning Support. The student must present evidence that he/she has satisfied any and all conditions of reenrollment that were established at the time the suspension was imposed. Where appropriate, the student may be required to provide documentation from a qualified professional indicating that the student no longer poses a significant risk of substantial harm to the health or safety of such student, or others, or of interference with the normal operations of the college, its students, faculty, and staff.

The Vice President for Learning Support or his/her designate must approve the request for reenrollment. In approving a request for reenrollment, the Vice President or his/her designee may impose conditions and/or requirements under which the student will be allowed to reenroll. The student will be notified in writing of the decision regarding his/her request for reenrollment including any conditions and/or requirements under which the student will be allowed to reenroll.

R. Records

1. Disciplinary action resulting from the imposition of any disciplinary sanction other than a disciplinary warning by the Vice President for Learning Support will result in the establishment of a disciplinary file in the name of the accused student. If the student is found innocent of charges by the Student Discipline Committee, the file will be voided and will not leave the student with a disciplinary record. In accordance with the Family Educational Rights and Privacy Act (FERPA), as amended, the student’s judicial and disciplinary records are educational documents and thus protected under FERPA. However, the college is required to provide the results of a final on campus disciplinary action against an alleged perpetrator of a crime to an alleged victim, or the parents of the victim if the victim died, if the parent or victim requests such information.

Disciplinary files may be voided for good cause by the Vice President for Learning Support. Factors to be considered include, but are not limited to:

a. Present demeanor;

b. Conduct of student subsequent to the violation;

c. Nature of violation (e.g., severity of any damage, injury, or harm resulting from it).

2. Files of students who have received a written disciplinary sanction will be retained for seven years from the date sanctions were imposed. The files will then be destroyed except in cases where the student has been indefinitely suspended or expelled from the college. Files for these students will be retained permanently. Information contained in the files is confidential and may be released only in accordance with applicable federal and State laws.

3. If a student is suspended or expelled, complete records of the hearing proceedings and all pertinent documents shall be maintained permanently by the Vice President of Learning Support. A notation of the sanction is entered on the student’s transcript when the sanction is either suspension or expulsion from the college. For suspended students it remains on the transcript for the duration of the suspension; for expelled students it remains on the transcript permanently.

4. Records of all disciplinary actions will be filed in the office of the Vice President of Learning Support.

College Closings for Inclement Weather

Policy (rev. 4/20/05)
The President of the college or his/her designee will decide when classes are to be cancelled, or when the college is to be closed because of inclement weather or other emergency conditions.

Procedures
The college will provide inclement weather announcements concerning cancellations, closings, and delays by 5:30 a.m. Please refer to the following sources:

- FCC switchboard, 301.846.2400
- Comcast TV Channel 23, College of the Air Bulletin Board
- FCC Web site www.frederick.edu
- FCC Alert, sign up on www.frederick.edu
- Other Web sites: www.schoolsout.com

Radio and TV Stations

Radio:
- WFMD (AM 930)
- WAFY (FM 103.1)
- WJZ-TV (CH. 13)
- WTTG FOX-5 (CH. 5)
- WHAG TV (CH. 25)
- COMCAST TV Channel 23 
- School's Out (www.schoolsout.com)

TV:
- NEWS4 (CH. 4)
- WJZ-TV (CH. 13)
- WTTG FOX-5 (CH. 5)
- WHAG-TV (CH. 25)
- ABC (CH. 7)
- WBAL (CH. 11)

NOTE: Radio and TV stations might not use the exact words we provide them, so please beware that announcements could differ from station to station. Due to possibility of inaccurate announcements we would advise you to check more than one source.

The announcements are:

1. FCC is OPEN
FCC and the Children’s Center will follow normal schedules. All faculty, staff, and students are expected to come to work/class per their normal schedules.

2. FCC WILL OPEN AT “X”
FCC and the Children’s Center will open at the designated time and will follow normal schedules after the delay.

This applies to all faculty, staff, and students. (For example, when the college opening is delayed until 9:30 a.m., 8:00 a.m. - 9:15 a.m. classes are cancelled and instruction will begin with regularly scheduled 9:30 a.m. classes. If a class is scheduled to run later than 9:30 a.m. (for example, 8:00 a.m. - 10:30 a.m.), the class will begin at 9:30 a.m.)

NOTE: Because of changing weather patterns and conditions we often re-evaluate our decisions. For example, the message might say, “FCC will open at noon, but we’ll re-evaluate our decision at 10 o’clock.” WHEN IN DOUBT, CALL THE COLLEGE INFORMATION CENTER OR CHECK THE WEB SITES FOR THE MOST CURRENT UPDATES BEFORE YOU HEAD TO THE CAMPUS.

3. FCC is OPEN; CLASSES ARE DELAYED UNTIL “X”
All administrative and support staff are expected to come to work at their normal start time (e.g., 8:00 a.m. - 8:30 a.m.). The Children’s Center will be open. Faculty and students should report after the delay. (For example, when classes are delayed until 9:30 a.m., 8:00 a.m. - 9:15 a.m. classes are cancelled and instruction will begin with regularly scheduled 9:30 a.m. classes. If a class is scheduled to run later than 9:30 a.m. (e.g., 8:00 a.m. - 10:30 a.m.), the class will begin at 9:30 a.m.)

4. FCC is CLOSED
Only “essential” personnel (emergency maintenance and clerical personnel) who have been designated by the Vice President for Administration should come to work and will be allowed on campus. NO students, faculty, or other staff members will be allowed on campus. The Children’s Center will also be closed.

SPECIAL NOTE for when the college delays opening:
- Doors will be opened 30 minutes prior to the announced opening.
- IMPORTANT NOTICE: Non-essential personnel will be allowed on campus more than 30 minutes prior to the announced opening in order to allow the college’s maintenance and security staff enough time to prepare the campus for opening (clearing snow from sidewalks, parking lots, roads, etc.)

- All offices, laboratories, and the Children’s Center will be open and staffed 15 minutes prior to the announced opening.
- Students are not allowed on campus until 15 minutes prior to the announced opening in order to allow the college’s maintenance and security staff enough time to prepare the campus for opening (clearing snow from sidewalks, parking lots, roads, etc.)

The above announcements and procedures apply to FCC’s main campus, the Monroe Center and any other FCC facility. Career & Tech Center classes, along with any other FCC classes held at Frederick County Public School facilities follow FCPS procedures.
Communicable Diseases

Policy
A. The Board of Trustees of Frederick Community College is committed to providing a healthful environment for all students and employees of FCC. In fulfilling that commitment, the Board shall seek the guidance of appropriate medical, legal, and governmental authorities regarding communicable diseases when required. The college shall follow guidelines promulgated by the Maryland State and Frederick County Health Departments to prevent the spread of a communicable disease in the school setting.

B. Frederick Community College is committed to a workplace and campus environment free of Drug and Alcohol Abuse

C. Decisions regarding students or employees will be made on a case-by-case basis, taking into consideration all available information on the specific case at hand.

1. First consideration shall be given to returning the student to the classroom and the employee to his/her regular assignment upon receiving assurance from the physicians and public health officials that the individual should not pose a health risk to staff or students in a school or work setting.

2. The determination of whether an AIDS infected child shall be permitted to attend a college child care center shall be made on a case-by-case basis by college personnel, after consultation with a team composed of the child’s parent or guardian, appropriate health personnel, and the child’s physician, with the final decision to be made by college personnel and with particular attention being paid to minimizing the exposure of other children to blood or body fluids or to behavior which may warrant a more restrictive environment.

D. The President shall be responsible for determining what information will be disseminated to staff, parents, and the community when a communicable disease is identified or suspected at the college. Guidelines will be established by the President to insure strict confidentiality regarding infected individuals.

Drug and Alcohol Abuse

Policy (rev. 4/20/05)
A. A fundamental purpose of Frederick Community College is to support and encourage the pursuit and dissemination of knowledge. All members of the college community - students, faculty, and staff - share the responsibility for protecting an environment that supports that goal and all are expected to exemplify high standards of professional and personal conduct.

B. Frederick Community College is committed to a workplace and campus environment free of substance abuse and is committed to full compliance with the Drug-Free Workplace Act of 1988, the Drug-Free Schools and Communities Act of 1986, as amended in 1989, the Maryland Drug and Alcohol Abuse Plan, and all other applicable local, state, and federal laws. The Board of Trustees authorizes the college administration to establish, repeal and/or modify regulations and procedures related to ensuring compliance with these laws.

Procedures (rev. 5/9/07)
A. Frederick Community College is committed to a workplace and campus environment free of substance abuse and is committed to full compliance with the Drug-Free Workplace Act of 1988, the Drug-Free Schools and Communities Act of 1986, as amended in 1989, the Maryland Drug and Alcohol Abuse Plan, and all other applicable local, state, and federal laws. Frederick Community College, in accordance with the Crime Awareness and Campus Security Act of 1990, is required to disclose certain crime statistics, including liquor and drug law violations. See Frederick Community College’s Crime Awareness and Campus Security Act procedures for more information.

B. Standards of Conduct

1. The unlawful manufacture, sale, distribution, dispensing, possession or use of controlled substances, and the use or abuse (e.g., being intoxicated) of alcohol by anyone on college property (including any facilities leased or used by the college) or in college vehicles is prohibited. The President, however, may approve upon special request the serving of alcoholic beverages at specific events to individuals 21 years or older. The use of alcohol by anyone under 21 years of age or the abuse of alcohol by anyone at any college sponsored or supervised activity on campus is also prohibited.

2. The college reserves the right to refuse any advertising or promotional activities which focus on the consumption of alcoholic beverages that might encourage under-age drinking or alcohol abuse.

C. Employee Regulations

1. As required by the Drug-Free Workplace Act of 1988, and as a condition of employment, employees must abide by the terms of this procedure and notify the Human Resources Office in writing, of any criminal drug statute conviction for a violation occurring on Frederick Community College property, no later than five calendar days after such conviction. Lack of compliance with these requirements may subject the employee to immediate dismissal.

2. Upon receipt of notification of a conviction, the college will take the following actions as required by law:
   a. Notify the appropriate federal agencies of such convictions, and
   b. Take appropriate personnel action against the employee, up to and including termination; and/or
   c. Require the employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, State or local health, law enforcement, or other appropriate agency.

D. Student Drug Free Pledge

The college will include on its admissions application, a statement of the drug and alcohol related policy and procedures. Each student will be required to sign this statement acknowledging agreement to comply with the college’s drug and alcohol abuse policy and procedures. The college’s drug and alcohol policy and procedures will be posted on the college’s Web site and all students will be notified by FCC student email of its availability on the Web site and directions on how to access the information. Copies of the college’s drug and alcohol brochure will be available in information racks on campus as well as in various college offices.

E. Reporting an Alleged Violation of the Employee and Student Drug and Alcohol Policy

1. Violation by an Employee
An alleged violation of the Employee and Student Drug and Alcohol Policy should be reported to the employee’s supervisor(s) and the appropriate Vice President. An alleged violation by an employee will be investigated and adjudicated in accordance with Section F below.

2. Violations by a Student
An alleged violation of the Employee and Student Drug and Alcohol Policy should be reported immediately to the Frederick Community College Security Office by completing the “Reporting Violations of the Code of Student Conduct” form. Alleged violations will be investigated and adjudicated in accordance with procedures outlined in Section F below and the Code of Student Conduct (Policy/Procedure 5.11).

F. College Sanctions

1. Any member of the college community who violates the Employee and Student Drug and Alcohol Policy will be subject to disciplinary proceedings by the college, and may be referred for prosecution by civil authorities. Depending upon the severity of the offense, the college will impose one or more of the following disciplinary sanctions as may be appropriate: for students — may include reprimand, warning, or dismissal from the institution (a complete list of disciplinary sanctions for students is included in the Code of Student Conduct); for employees — reprimand, warning, suspension with or without pay, or discharge from employment. The college may also require the completion of an appropriate rehabilitation program.

2. Frederick Community College’s interest in identifying violators of the drug and alcohol policy and procedures is not intended to be punitive, but rather to establish clear limits of conduct for members of the campus community. The policy and procedures are designed to encourage those persons habituated to drugs and/or alcohol to seek rehabilitation.

3. Conscientious efforts to seek such help will not jeopardize a student’s academic standing or employee’s job, and all information related to such efforts will be confidential. However, efforts to obtain assistance will not preclude other disciplinary action for any of the usual reasons including policy violation or unacceptable job performance. Students or employees seeking or receiving assistance are subject to all college policies and procedures.
Students and employees at Frederick Community College are subject to federal, state and local laws for the possession and distribution of illegal drugs. Federal law states that it is unlawful to possess controlled substances including marijuana, cocaine, LSD, PCP, heroin, designer drugs, etc. (1) If the substance is cocaine, or contains a cocaine base, the penalty for simple possession is a fine and/or imprisonment from 5 to 20 years.

In February 2000, a law was enacted to categorize gamma hydroxybutyrate (GHB), also known as a "date rape" drug, as an illegal drug. This means that anyone possessing, manufacturing, or distributing GHB may face up to a 20-year penalty.

For other illegal drugs, the penalty for simple possession is a fine of at least $1,000 and/or imprisonment up to 3 years. The penalties increase if the possession includes intent to manufacture, distribute, or dispense a controlled substance, especially if done near a public or private elementary, vocational, or secondary school or a public or private college or university. Additionally, any person who violates this law shall be liable for an amount up to $10,000 in civil penalties.

In addition to federal laws, the State of Maryland has its own laws dealing with distribution, manufacturing, and possession of controlled substances. For instance, any person who unlawfully manufactures or distributes a narcotic drug may be fined up to $25,000 and may be imprisoned for up to 20 years for a first offense. (2)

Students and employees at Frederick Community College are subject to state and local laws for drinking and obtaining alcohol. It is illegal in the State of Maryland for any person under 21 to drink alcohol. (3) It is also illegal for a person under 21 to falsely or misrepresented his or her age to obtain alcohol, or possess alcoholic beverages with the intent to consume them. (4) It is also illegal in most situations to furnish alcohol to a person under 21. (5) The penalty is a fine of up to $500 for a first offense, and up to $1,000 for repeat offenses.

In addition, state law dictates that it is illegal to possess alcohol in an open container in any parking lot of any shopping center or retail store, unless given permission by the owner. The penalty is a fine of up to $100. (6)

It is also illegal to consume alcohol on any public property or highway unless authorized by the governmental entity that has jurisdiction over the property, with penalties including a fine of up to $100. (7)

Students and employees are also subject to state and local laws governing drinking and driving. A person may not drive or attempt to drive while impaired or under the influence of alcohol. (8) Individuals under 21 with a B.A.L. of only .02 (approximately 1 drink) will be charged with a violation of restricted license and result in suspended license until the age of 21. (9)

Any individual with a B.A.L. of 0.08 will be presumed to be driving under the influence of alcohol. An individual with a B.A.L. of .08 or more shall be determined to be under the influence of alcohol per se. (10) Any of these violations will result in fines, imprisonment, or both.

It is also unlawful to drive while impaired by any Controlled Dangerous Substance whether or not it is illicit (prescribed or unlawfully obtained). (11) A person can still be charged with these violations even though they possess a driver's license from another state.

G. Local, State and Federal Law Descriptions Relating to Alcohol and Other Drug Use

1. Federal Law 21 USCA/sections 841 and 844 to 845a (1990)
4. Md. Code Criminal Art. Section 10-113
9. Md. Code Transportation Art. Sections 16-113(b)
11. Md. Code Transportation Art. Sections 21-902 (c) and (d)

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H. Substance Abuse Prevention Program and Notification to Employees

Frederick Community College has established an on-going substance abuse prevention program utilizing a variety of educational and prevention strategies. One of the goals of this program is to heighten the awareness of faculty and staff about the dangers of substance abuse in the workplace, the college’s policy of maintaining a drug-free campus, the availability of substance abuse counseling, rehabilitation or employee assistance programs, and the penalties that may be imposed upon employees for substance abuse violations. In addition, the college will issue annual written notice to employees of the college’s drug and alcohol policy and all specific notifications required by the law.

I. Getting Help

The college provides resources and referral services for students, faculty and staff confronted with a problem of drug and/or alcohol abuse. Information related to these services will be made available to all students as part of the substance abuse awareness program. In addition, students may obtain information or referrals from the counseling and career services department or the vice president learning support - employees may obtain information on referrals from the associate vice president for human resources.

J. Area Drug and Alcohol Abuse Services

**Detoxification Services**

- **Frederick Memorial Hospital Emergency Room**
  - 400 West 7th Street
  - Frederick, MD 21701
  - 240.566.3500
  - For medical emergencies only

- **Behavioral Health Services of Washington County Health System**
  - Washington County Hospital
  - Walnut Street
  - Hagerstown, MD 21740
  - 1.800.635.2774

- **Frederick County Health Department**
  - Substance Abuse Services - Adult Services
  - 3500 Montevue Lane
  - Frederick, MD 21702
  - 301.600.1775
  - Outpatient detoxification

**Inpatient Treatment Facilities**

- **Jackson Unit**
  - Country Club Road
  - Cumberland, MD 21502
  - 301.777.2290
  - A 30-day residential treatment program for youth. age 13 - 18 who present a primary diagnosis of drug and/or alcohol abuse or dependence. Serves residents of Allegany, Garret, Washington, and Frederick counties.

- **Massie Unit**
  - Country Club Road
  - Cumberland, MD 21501
  - 301.777.2285
  - A residential treatment facility designed to provide comprehensive, addictions treatment to people who are chemically dependent or abuse chemicals, and their significant others. Referrals for admission are accepted from employee assistance programs, hospitals, private physicians, counseling and community agencies, lawyers, legal/judicial system and others. Transportation is provided to and from the facility to the Western Maryland cities of Frederick, Hagerstown and Oakland.

- **Mountain Manor Treatment Center**
  - 9701 Keysville Road
  - Emmitsburg, MD 21727
  - 301.447.2361

**Outpatient detoxification**

- **Frederick Community College**
- **Washington County Hospital Health System**
- **Massie Unit**
- **Mountain Manor Treatment Center**

**Referrals for admission are accepted from employee assistance programs, hospitals, private physicians, counseling and community agencies, lawyers, legal/judicial system and others. Transportation is provided to and from the facility to the Western Maryland cities of Frederick, Hagerstown and Oakland.**
A 50-bed short term, high intensity adult residential substance abuse treatment. Its 12-step based program includes a detox track, relapse prevention, full medical and nursing services, and psychiatric support for dual diagnosis patients. The program also features a long-term residential track for pregnant and postpartum substance abusing women who may keep their young children and infants with them.

**Outpatient Services**
Frederick County Health Department  
Substance Abuse Services — Adult Services  
3500 Montevue Lane  
Frederick, MD 21702  
301.600.1175
Adult outpatient services, IOP, outpatient detoxification, in-house psychiatric consultations and assessments, narcotics treatment program, men's recovery groups, women's recovery groups, and other specialty groups and alternative health services.

Frederick County Health Department  
Substance Abuse Services — Adolescent Services  
350 Montevue Lane  
Frederick, MD 21702  
301.600.3293
Adolescent outpatient services, IOP, At Risk Group, and Parent Group.

Allied Counseling Group  
306 West Patrick Street  
Frederick, MD 21701  
301.698.7077
Comprehensive mental health services, including state-licensed and certified treatment for substance abuse, MVA certified DWI program, relapse prevention, continuing care, in-patient referrals, intensive outpatient treatment.

Crossroads Center  
203 Broadway Street  
Frederick, MD 21701  
301.696.1950
Adult and adolescent intensive outpatient counseling for persons with alcohol and drug problems, abuse, and dependence: MHA approved DWI programs.

**Residential Treatment Facilities**
Gale Houses, Inc  
608 East Patrick Street  
Frederick, MD 21701  
301.662.7083
Operates private, nonprofit residential treatment continuing care (halfway and transitional houses) for women and men recovering from drug and/or alcohol addiction. Admission is allowed by referral from addiction professionals.

Facilities include:

- Olsen House for Men  
  608 East Patrick Street  
  Frederick, MD 21701  
  301.662.7703
- Gale House for Women  
  336 North Market  
  Frederick, MD 21701  
  301.662.2303

**Self-Help Groups**
Alcoholics Anonymous  
301.662.0544
Al-Anon  
301.663.6626
Narcotics Anonymous  
301.524.0111
Cocaine Anonymous  
1.800.1717
www.tradition5.org/wmdvaca

**24 Hour Hotline Services**
Frederick County Hotline  
301.662.2255
Alcohol Hotline  
1.800.1717

**Family Educational Rights & Privacy Act (FERPA)**

**Policy (rev. 1/21/09)**

A. An adequate system of student records shall be developed and maintained under the supervision of the President or his/her delegate.

B. Frederick Community College accords to students all rights under the Family Educational Rights and Privacy Act (FERPA) of 1974, 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.

C. FERPA provides students with the following rights with respect to their education records:
   1. to inspect and review the student's education records; 2) to consent to disclosure of the student's education records to third parties, except to the extent that FERPA authorizes disclosure without consent; 3) to request amendment of the student's education records when the student believes that they are not accurate or are misleading; and 4) to file a complaint with the U.S. Department of Education concerning alleged failures by the college to comply with the requirements of FERPA.

**Procedures (11/12/08)**

A. **Elements of a Student’s Records**

   The following are considered the essential elements of a student record and shall be required of all students applying to the college:
   1. Legal name
   2. Permanent address
   3. Phone number
   4. County and state of legal residence
   5. Date of birth

B. **Definition of a Student**

   A student means an individual who is or has been enrolled at the college. An individual who applied but did not enroll is not a student.

   Eligible student means a student who has reached 18 years of age or is attending an Institution of postsecondary education.

C. **At the time of application, a system assigned student ID number will be generated. A letter is sent to new students with their ID number enclosed and this number is to be used by the student to register or classes.**

D. **The social security number (SSN) is not required at the time of application, but is requested for validation purposes. Students not presenting an SSN are required to appear in person with a photo ID in order to request a web account.**

E. **Students must present a college photo ID or drivers license to conduct in-person record transactions.**

F. **Education Records**
Education records are specifically defined as records, files, documents, and other materials (including but not limited to handwriting, print, tapes, film, computer or other media) that contain information directly related to a student and maintained by the college or an agent of the college. The following information is considered part of the student's education record:
1. Academic standing/probation/dismissal
2. Advising notes
3. Assessment scores
4. Courses registered/completed
5. Credits or grades earned
6. Grade point average (GPA)
7. Financial aid records
8. Student disciplinary records

G. Exceptions to Education Record

Education records do not include records on an eligible student that are:
1. Sole Possession Records. A sole possession personal record kept by a faculty or staff member, if it is kept in the sole possession of the individual who made the record, and information contained in the record has never been revealed or made available to any other person except the maker's temporary substitute.
2. Employment Records. An employment record of an individual whose employment is not contingent on the fact that he or she is a student, provided the record is used only in relation to the individual's employment.
3. Law Enforcement Records. Records maintained by the college's security office, if the record is maintained solely for law enforcement purposes, is revealed only to law enforcement agencies of the same jurisdiction and the security office does not have access to education records maintained by the college.
4. Alumni Records. Alumni records which contain information about a student after he or she is no longer an attendant of the community college and the records do not relate to the person as a student.
5. Treatment Records
   a. Made or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in his or her capacity or assisting in a professional capacity.
   b. Made, maintained, or used only in connection with the treatment of the student.
   c. Disclosed only to individuals providing the treatment. For the purpose of this definition, "treatment" does not include remedial educational activities or activities that are part of the program of instruction at the agency or institution.
6. Health Insurance Portability and Accountability Act (HIPPA) Privacy Rule. HIPPA establishes standards and imposes requirements to protect the privacy of individually identifiable health information. HIPPA Privacy Rule excludes from its definition of "protected health information" individually identifiable health information contained in an "education record" covered by FERPA, as well as "treatment" records excluded from the definition of "education records."
8. Annual Notification. Students will be informed of their rights under FERPA annually by publication in the student handbook, catalogue, schedule of classes, and www.frederick.edu.
9. Student Rights and Access to Education Records. The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their educational records.
   a. A student has the right to inspect and review his/her education records within 45 days of the day the college receives a written request for access. The student should submit a written request to the Associate Vice President of Operations/Registrar and identify the record(s) he/she wishes to inspect. Upon receipt of the written request, an appointment will be scheduled with the Associate Vice President of Operations/Registrar to review the student's records and receive an explanation and interpretation of the records requested. If the records are not maintained by the Associate Vice President of Operations/Registrar, the student will be advised of the correct official to whom the request should be addressed.
   b. A student has the right to review his/her education records except for: 1) financial information submitted by the student's parents; 2) those records which are excluded from the FERPA definition of education records; and 3) education records containing information about more than one student, in which case the college will permit access only to that part of the record that pertains to the inquiring student.
   c. A student has the right to request the amendment of his/her education records if he/she believes the records are inaccurate or misleading. A student may ask the college to amend a record that he/she believes is inaccurate or misleading. The student should clearly identify the part of the record that he/she believes is inaccurate or misleading. A student who requests to amend directory or personally identifiable information shall submit the appropriate request form to the Welcome and Registration Center. If the college decides not to amend the record as requested by the student, the student will be referred to the Vice President for Learning Support who will advise the student of his/her rights under the college's grievance policy and procedures. (See sections K and L of this procedure.)
   d. A student has the right to consent to disclosures of personally identifiable information contained in his/her education records, except to the extent that FERPA authorizes disclosure without consent. (See section L of this procedure.)
   e. A student has the right to file a complaint with the U.S. Department of Education concerning alleged failures by Frederick Community College to comply with the requirements of FERPA. Anyone who believes his or her rights have been abridged may file a complaint with the Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue, S.W., Washington, DC 20202-4605.
   f. Disclosures Without Prior Consent of the Student. The college may disclose personally identifiable information from a student's education records without prior written consent of the student if the disclosure meets one or more of the following conditions:
      a. The disclosure is to other school officials with legitimate educational interests. A school official is a person employed by the college in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff), a person or company with whom the college has contracted as its agent to provide a service instead of using college employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. Upon request, the college may disclose educational records without consent to other colleges in the University System of Maryland for purposes of recruitment and research. School officials, including those designated contractors, however, may not re-disclose the information to any other party by any means. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the college.
      b. The disclosure, subject to requirements of 34 CFR § 99.34, is to officials of another school, school system, or institution of postsecondary education where the student seeks or intends to enroll.
      c. The disclosure is, subject to the requirements of 34 CFR § 99.35, is to authorized representatives of: the Comptroller General of the United States, the Secretary, or State and local educational authorities.
      d. The disclosure is in connection with financial aid for which the student has applied or which the student has received, if the information is necessary for such purposes as to: determine eligibility for the aid; determine the amount of the aid; determine the conditions for the aid; enforce the terms and conditions of the aid.
      e. The disclosure is to State and local officials or authorities to whom this information is specifically allowed to be reported or disclosed pursuant to State statute adopted before November 19, 1974, if the allowed reporting or disclosure concerns the juvenile justice system and the systems' ability to effectively serve the student whose records are released, allowed to be reported or disclosed pursuant to State statute adopted after November 19, 1974, subject to the requirements of 34 CFR § 99.38.
      f. The disclosure is to organizations conducting studies for, on behalf of, educational agencies or institutions to: develop, validate or administer predictive tests; administer student aid programs; improve instruction. The college does not have to initiate the research request or agree with or endorse the conclusions or results of the study. The college must agree with the purposes of the study and retain control over the information from the education records it discloses.
M. Parental Inquiry. Parental requests regarding access to a student's education records are referred to the Welcome and Registration Center. The parent(s) must contact the Associate Vice President Operations/Registrar or Associate Registrar to clarify his/her concerns and discuss FERPA requirements.

L. Personally Identifiable Information. Personally identifiable information is defined as the following:

1. Student's name
2. Date of birth
3. Email address
4. Major
5. Dates of attendance
6. Enrollment Status (Full-/Part-time status)
7. Degrees/awards/honors earned or anticipated
8. Graduation Date
9. Participation in recognized activities/sports
10. Photographs
11. Weight/height of members of athletic teams
12. Most recent educational institution attended by the student

K. Directory Information. Some information about students is considered Directory Information and the college may release directory information without the student's consent. A student who wishes to have Directory Information withheld must contact the Welcome and Registration Center and complete a request for non-disclosure of directory information form. The college will assume a student's failure to request withholding of Directory Information as his/her consent to the release of the information.

Frederick Community College has defined Directory Information as the information listed below:

Directory Information
1. Student's name
2. Date of birth
3. Email address
4. Major
5. Dates of attendance
6. Enrollment Status (Full-/Part-time status)
7. Degrees/awards/honors earned or anticipated
8. Graduation Date
9. Participation in recognized activities/sports
10. Photographs
11. Weight/height of members of athletic teams
12. Most recent educational institution attended by the student

It is the practice of the college to notify the student of a parental inquiry regarding their education record and to encourage the student to discuss their academic status with the parent(s). If the student agrees to release the information to the parent(s), he/she will sign a Release Form to do so. If the student is a dependent, however, and it becomes necessary to release the requested information without the written consent of the student, the parent(s) is/are required to provide a copy of the most recent federal income tax form showing that the student was claimed as a dependent. Once the information is provided, the college may disclose the requested information.

N. Parental Notification. Frederick Community College complies with the provisions of the Family Educational Rights and Privacy Act of 1974, (FERPA) as amended and any regulation promulgated thereafter. FERPA permits, but does not require, institutions of higher education to notify parents or guardians when a student under the age of 21 is involved in a drug or alcohol violation, or when a student is experiencing a health or safety emergency.

Whenever possible, students will be informed that parental notification is planned so that they have the opportunity to discuss the planned notification with the Vice President. In such cases, the student will first be given the opportunity to notify the parent him/herself. However, the college may provide parental notification without prior notice to the student in cases where action has been or will be taken to protect the safety of the student or other individuals.

O. The college reserves the right to deny copies of records, including transcripts, not required to be made available by FERPA if: 1) the student has an unpaid financial obligation to the college; 2) there is an unsolved disciplinary action against the student.

P. Health or Safety Emergencies. The college reserves the right to release information on any student regardless of age or status to a parent or other appropriate individual such as a spouse or guardian, in health or safety emergencies, hospitalizations, or when in our judgment, the health or well being of the student or others may be at risk. Examples of health or safety emergencies may include, but not be limited to:

1. A student's Involvement in a disturbance of others on campus.
2. Disruption of the educational process by a student.
3. Demonstration of disregard for a student's personal safety or the safety of others.
4. A student who was harmed or injured, or harmed or injured others.
5. A violation which resulted in an arrest in which the student was taken into custody.
6. An incident which involves a serious violation of college policy which could result in interim suspension from the classroom or suspension or expulsion from the college.
7. An incident in which the student became physically ill and/or required medical intervention as a result of alcohol or drugs.

Q. Alcohol or Drug Policy Violation. The Vice President for Learning Support or his/her designee may notify parent(s) or legal guardian(s) of any student under the age of 21 who has committed a violation of any Federal, State, and/or local law, or college policy governing the use or possession of alcohol or a controlled substance. Notification will be made in writing and mailed to the parents or guardian at the address shown on college records.

R. Confidentiality of Student Records. Frederick Community College accords all rights under the Family Educational Rights and Privacy Act (FERPA).

S. Legal Subpoenas/Court Orders. Information concerning a student shall be released in response to a judicial order or lawfully issued subpoena. In these cases, the Associate Vice President/Registrar will make a reasonable attempt to contact the student at the last known address. A copy of the subpoena, as well as the college's procedures, will be sent by registered mail to the student. The student will be given a specific date (10 working days) to file a motion to stop the subpoena. A copy of this letter will also be sent by registered mail to the person issuing the subpoena. If the Associate Vice President/Registrar does not receive a lawfully issued order to stop the subpoena by the date stated in student letter, the Associate Vice President must comply with the subpoena and information requested will be mailed one day after the deadline date provided to the student. A copy of all records sent will be maintained in the student's file. Education records may be disclosed to the U.S. Attorney General or his or her designee in response to an ex parte order concerning an authorized investigation or prosecution of domestic or international terrorism, without prior consent to the student.

policies & procedures
T. Disciplinary Hearing Results

1. Disclosure to Victims: The college may disclose to an alleged victim of any crime of violence, or a non-forcible sex offense (as defined in 34 CFR § 99.39), the final results of any disciplinary proceeding conducted by the college against the alleged perpetrator of such crime or offense with respect to such crime or offense, regardless of whether the alleged perpetrator was found responsible for violating the college’s Code of Student Conduct with respect to such crime or offense. The disclosure of final results is limited to the name of the student, the violation committed, and any sanction imposed by the institution against the student.

2. Disclosure to Third Parties: The college may disclose the final results of any disciplinary proceeding against a student who is an alleged perpetrator of any crime of violence or non-forcible sex offense (as defined in 34 CFR § 99.39), if the student is found responsible on or after October 7, 1998, for violating the college’s Code of Student Conduct with respect to such crime or offense. Such disclosure shall include only the name of the student, the violation committed, and any sanction imposed by the college on that student. Such disclosure may include the name of any other student, such as a victim or witness, only with the written consent of that other student.

U. Alcohol and Drug Violations: The college may disclose to a parent or legal guardian of a student, information regarding any violation of any federal, state, or local law, or any policy or rule of the college, the use or possession of alcohol or a controlled substance, regardless of whether that information is contained in the student’s education records, if the student is under the age of 21 at the time of disclosure to the parent, and the college determines that the student is responsible for a disciplinary violation with respect to such use or possession.

V. Solomon Amendment: The Solomon Amendment is a federal law that mandates that institutions receiving federal funding must give military recruiters access to campus and to lists of students, including personally identifiable student information. The Solomon Amendment supersedes FERPA.

Financial Obligations

Procedure (rev. 3/8/06, under revision)

A. All past financial obligations must be paid at the time of registration.

B. All tuition and fees must be paid by the deadline established in the course schedule each semester except for amounts expected to be covered by financial aid, third party reimbursement, or the college’s approved deferred tuition payment plan.

1. Credit cards. Currently the college accepts payment via Visa, Mastercard and Discover.
   - No credit card payments will be accepted over the phone.
   - Web payments can be made at www.frederick.edu > online services > student system access > Login

2. Cash, check and debit cards.

3. Payment can be made at our cashier office between the hours of 8:30 a.m. and 7:00 p.m. Monday through Thursday and 8:30 a.m. to 4:30 p.m. on Fridays.

C. When payment is not made by established dates, accounts will be processed as outlined below.

1. Finance will review the accounts placed on hold with appropriate departments to determine the validity of all holds.

2. The first past due notice will be sent approximately two weeks after the beginning of the semester. A financial obligation indicator is placed on the student’s account at this time. A second past due notice is sent approximately thirty days later. A third and final notice is sent thirty days after the second notice. The accounts will be forwarded to the Maryland Central Collection Unit (MDCCU) by the end of the semester if payment-in full has not been received.

3. Once the account balance is paid in full, all collection indicators will be removed. If the event financial aid is later removed from a student account causing a balance to be reinstated, the collection process will begin with a first past due notice.

D. If an account has been sent to the MDCCU, the college will not accept payment on that account. Once proper documentation of payment is provided by the student showing payment in full to MDCCU, registration will be allowed. Proper documentation is Web payment confirmation from MDCCU that clearly identifies the account paid in full. The Web address for MDCCU is https://www.paybill.com/payccu.

Grievance Policy for Students

Policy (rev. 1/16/08)

A student who reasonably believes that an improper, unfair, or arbitrary action has been taken by a member of the faculty or staff which involves the application of a specific provision of a college policy, procedure, rule, or regulation that adversely affects his/her status, rights, or privileges as a student has the right to seek redress for such action. Procedures have been established for resolving instructional (i.e., grade disputes), non-instructional, and ADA (Americans with Disabilities Act) grievances. The burden of proof in such instances shall rest with the student. Retaliation of any kind taken against a student for participating or not participating in a grievance is prohibited.

Grievance Procedure for Students: Grade Disputes

(rev. 9/12/07)

A. Introduction

1. The purpose of the Grade Grievance Procedure for Students is to provide a method of recourse to students who reasonably believe that a particular course assessment on the part of a college faculty member has violated institutional practices and standards.

2. This procedure is applicable to all students, including Continuing Education students enrolled in courses where performance issues impact the student’s progress toward course or program certification. While the use of this procedure is most appropriate in those instances where a student believes that the instructor in question has misapplied course evaluation standards as outlined in the course syllabus, it is not necessarily limited to this condition.

3. This procedure is not intended to be used as an appeal route for students who disagree with the subjective judgment of their instructor regarding submitted tests and projects. The college relies on, and endorses, the instructor’s right to pass expert judgment on all submitted student work. The college also recognizes the instructor as the sole evaluator of all work submitted by students for/in a specific course. This procedure is also not intended to address student concerns regarding harassment or discrimination in the classroom. The college provides separate strategies to students for addressing these issues. Those strategies can be referenced in the student handbook published annually by the college.

4. For the purposes of this Procedure, the college will use “working” days instead of “calendar” days which is the college’s standard for use in policy and procedure.

B. Procedures

1. Informal Level: Student/Faculty Disagreement

   The student and faculty member involved in the student’s concern or disagreement must first try to resolve the dispute through informal discussion. Preceding this discussion, it is recommended that the student consult with a member of the counseling staff to clarify the issues involved, to explore student options, and to answer questions about the nature of the grievance procedure.

   If, after meeting with the faculty member involved, the student remains unsatisfied with the resolution of his/her concern, the student may meet with the faculty member and his/her department chair (or appropriate designee). The appropriate Associate Vice President of learning will substitute for the department chair when the Chair is directly involved as a party in the grievance. This meeting must take place within 14 calendar days following the beginning of the subsequent semester (summer and I-term excluded).

   Prior to the meeting, the student must submit a written account of the nature of his or her complaint and a requested remedy/outcome to the department chair using the appropriate Student Complaint Form. The Complaint Form is available from the area’s academic office manager and in the Office of the Vice President for Learning and the Counseling and Advising Office.

   If a satisfactory outcome is not reached in consultation with the department chair, a formal grievance can be initiated by the student. The formal grievance, however, must be initiated within 10 calendar days of the student’s meeting with the faculty member and his/her department chair.

   Formal grade grievances may not be initiated without the student’s first addressing the informal steps in the Grade Grievance Process.

2. Formal Level: Initiation of the Grade Grievance
a. A formal grievance is started by the student with the submission of an Initiation of Grievance Form to the appropriate department chair. This form is available from the academic office manager of the department and must be signed by the student, the faculty member involved, and the department chair. Any refusal of the faculty member to sign the form should be noted by the department chair and should not inhibit the process from continuing.

b. The department chair must attach the Student Complaint Form to the grade Grievance Form.

c. The student’s written summary of issues and requested remedy (Student Complaint Form), and the completed Grievance Form, are sent by the department chair to the Chief Academic Officer (copy to the appropriate Associate Vice President of Learning’s office).

C. Formal Grievance Process

1. The formal grievance must be initiated by the student within 10 calendar days of the student’s meeting with the department chair at the Informal Level of the Grievance Procedure.

2. The Grade Grievance Committee will be convened by the Chief Academic Officer’s representative upon receipt of the Grievance Form from the appropriate department chair. The Grievance Committee shall then meet within 14 calendar days to assess the student’s appeal and complaint.

3. A written report of the Committee’s decision will be submitted to the Chief Academic Officer within 10 calendar days following the Committee’s last meeting. A representative of the Chief Academic Officer will promptly notify the student, faculty member, and department chair of the Committee’s decision.

4. The Committee’s decision is generally final with no further appeal available to the student or faculty member. However, when the decision of the Committee directly results in the student’s displacement from an academic program or in his/her inability to continue with prescribed clinical assignments, the student may appeal to the President. This appeal must be filed within 7 calendar days of the student’s receipt of the letter which provided the Committee’s decision.

D. Grade Grievance Committee: The Grade Grievance Committee is convened and administered by a representative of the Chief Academic Officer.

1. Membership
   a. Two faculty members
   b. Associate Vice President of Learning Operations
   c. Two students

2. Method of Selection
   a. The faculty representatives shall be appointed by the Chief Academic Officer.
   b. The student representatives shall be appointed by the President of the Student Government Association (SGA).
   c. The Grievance Committee will select a chairperson who will hold voting privileges.
   d. Members of the Committee will serve for one-year terms and may serve unlimited terms.
   e. If a member of the Grade Grievance Committee is involved in the grievance, a substitute will be appointed.

E. Procedural Requirements for the Grievance Process

1. The Grievance Committee, in hearing the grievance, shall observe the principles of due process, as defined in Procedure 5.11.C. in its proceeding, including the right of students and staff members to hear and present evidence, and the right to present and confront witnesses.

2. Participation in the deliberation of the Grievance Committee is limited to the student, faculty, and Committee members and shall be confined to those points set forth in the student’s written Complaint. The student must present and prove his/her case.

3. The presence of legal counsel is not permitted at any meeting convened under this Procedure, including during the Grievance Committee process.

4. The failure of the student to appeal a decision to the next stage within the designated time period shall constitute a withdrawal of the grievance and bar further action by the student on the grievance. The withdrawal of a grievance by the student at any point in the process bars the student from re-initiating the grievance. Once initiated, the grievance is confined to the student’s narrative of complaint originally submitted to the department chair at the Informal Level.

5. The failure by the student to appear for any scheduled meeting without prior notification or evidence of extenuating circumstances shall constitute withdrawal of the grievance appeal.

6. The student may withdraw the formal grievance at any time by written notice to the Chief Academic Officer. Any verbal notice given by the student will be confirmed in writing by the Chief Academic Officer’s representative.

7. Student non-compliance with any aspect of the process results in the termination of the grievance process and the dismissal of the grievance.

8. Records of all formal grievances will be retained by the Chief Academic Officer for a period of three years.

Grievance Procedure for Students: Non-grade Complaints

(rev. 9/12/07)

A. Introduction

The purpose of the Grievance Procedure for Non-grade Complaints is to establish a process for students to express and resolve misunderstandings, concerns, or grievances that they have with any college employee in a prompt, fair, and equitable manner. Actions that may be grieved under this procedure include (but are not limited to unless otherwise excluded as defined below) unfair, inequitable treatment, improper application of college policy or procedure, improper disclosure of grades (i.e., FERPA violation), and unprofessional treatment. Although the procedure encourages the resolution of the concern informally, a formal grievance is available should the concern not be resolved informally.

Actions that may not be grieved under this procedure include: 1) actions by another student as there are subject to the college’s Code of Student Conduct (College Policy/Procedure 5.11); 2) sexual harassment by a college employee or student (College Policy 3.18/Procedure 5.19); 3) discrimination (College Policy 3.17/Procedure 3.17); 4) American with Disabilities Act (ADA) compliance complaints (College Policy 5.18/Procedure 5.18a); and 5) grade disputes (College Policy 5.18/Procedure 5.18c). Federal, State, and local laws, rules and regulations may not be grieved. The burden of proof shall rest with the student.

B. Procedures

1. Informal Level

The parties involved in the grievance should try to resolve the misunderstanding, concern, or grievance through discussion. Proceeding this discussion, it may be helpful for the student to consult with a member of the counseling staff to clarify the issues involved. If, after meeting with the employee involved in the grievance, the student remains unsatisfied, the next step in the informal process is to meet with the employee and his/her supervisor(s). This meeting must take place within fourteen (14) calendar days from the time the student knew or reasonably should have known about the fair or unjust treatment. If a satisfactory outcome is not reached, a formal grievance can be initiated. A formal grievance must be initiated within ten (10) calendar days of meeting with the employee and his/her supervisor(s).

2. Initiation of Formal Grievance

a. A formal grievance is initiated with the Initiation of Grievance form which must be signed by the student, employee involved in the dispute, and the employee’s supervisor(s). Should the employee refuse to sign the form, that refusal shall be noted by the supervisor(s) and should not inhibit the process from continuing. Documentation supporting the complaint should be attached to the form. The Initiation of Grievance form may be obtained from the offices of the Vice Presidents for Learning, Learning Support, and the Counseling and Advising Offices.

b. The form and relevant documentation is sent from the supervisor(s) to the appropriate department administrator who will act on the complaint. The student will be notified of the administrator’s decision in writing within ten (10) calendar days after the formal grievance is filed. If the student is unsatisfied with the decision of the department administrator, he/she may appeal to the Vice President to whom the department reports. The appeal must be in writing and submitted to the appropriate Vice President within five (5) calendar days of receiving the department administrator’s notification of his/her decision. The Vice-President will meet with the student within five (5) calendar days of receiving the student’s appeal. The decision of the Vice President is final and will be communicated to the student in writing within five (5) calendar days of meeting with the student.
c. A written report of the Vice President's decision will be maintained in the respective Vice President's office or in the case the case where a grievance is filed against a Vice President, the file will be maintained in the Office of the President.

C. Procedural Requirements for the Grievance Process:

a. Legal counsel is not permitted during the grievance process.

b. No retaliation of any kind shall be taken against a student for participating or refusing to participate in a grievance. Retaliation may be subject to action under the Code of Student Conduct or applicable employee policies and procedures.

c. The failure of the student to appeal a decision within the designated time period shall constitute a withdrawal of the grievance and bar further action by the student on this grievance. The retraction of a grievance by the student at any point in the process bars the student from re-initiating the grievance.

d. The failure by the student to appear for any scheduled meeting without prior notification or evidence of extenuating circumstances shall constitute withdrawal of the grievance or appeal.

e. The student may withdraw the formal grievance at any time by written notice to the appropriate Vice President.

f. Grievance records will be held in the appropriate Vice President's office or, in the case where a grievance is filed against a Vice President, in the Office of the President. Records will be held for a period of three years after which the records will be destroyed.

Grievance Procedure for Students: ADA Grievances

(rev. 9/12/07)

A. Introduction

The college prohibits discrimination against any person on the basis of race, religion, gender, color, national origin, ancestry, age, sexual orientation, marital status, physical or mental disability of otherwise-qualified individuals and any other category protected by federal, State, or local law. In this connection, the college subscribes to full access to all college facilities as outlined in Title II of the Americans with Disabilities Act of 1990 (ADA), as amended and complies with Section 504 of the Rehabilitation Act of 1973 (Section 504) as it pertains to potential students or currently enrolled students.

The purpose of this Grievance Procedure is to establish a process for students (and potential students) to express and resolve, in a prompt, fair, and equitable manner, any misunderstandings, concerns, or grievances that they have with respect to the college's fulfillment of its obligations under the ADA and Section 504. Although the procedure encourages the resolution of the concern informally, a formal grievance is available should the concern not be resolved informally. Actions not grievable under this procedure include 1) actions by another student, as these are subject to The college's Code of Student Conduct (College Policy/Procedure 5.11); 2) sexual harassment by a college employee or student, as these are subject to the college's anti-harassment policies (College Policy/Procedure 3.18); 3) discrimination complaints (College Policy/Procedure 3.17); 4) non-academic complaints (College Policy/Procedure 5.18b); and 5) grade disputes (College Policy/Procedure 3.18a) with the exception that grade disputes resulting from alleged ADA or Section 504 compliance complaints should first be addressed under this Grievance Procedure.

Once these compliance complaints are addressed and/or resolved, such grade disputes will then follow College Policy/Procedure 5.18a if applicable. Federal, state, and local laws, rules and regulations are not grievable. The burden of the proof shall rest with the student.

B. Procedures

1. Informal Level

Students initiating proceedings under this Grievance Procedure must do so by submitting a signed Student Complaint form to the Services for Students with Disabilities office within thirty (30) calendar days of the alleged compliance violation. The Student Complaint form is available from the Services for Students with Disabilities office. The parties involved in the grievance should try to resolve the misunderstanding, concern or grievance through discussion. Preceding this discussion, it may be helpful for the student to consult with the individual whose action, including a determination with respect to a requested accommodation, has resulted in the grievance, in order to clarify the issues involved.

If, after meeting with that individual, the student remains unsatisfied, the next step in the informal process is to meet with the individual and his/her immediate supervisor(s). This meeting must take place within fourteen (14) calendar days from the date of the initial meeting between the student and individual. Upon request, a Services for Students with Disabilities staff member (other than the Director) can assist the student with mediation at these meetings.

Prior to the meeting, the student must submit a written account of the nature of his/her complaint and a requested remedy/outcome to the individual’s supervisor using the Student Complaint Form.

If a satisfactory outcome is not reached, a formal grievance can be initiated. A formal grievance must be initiated within ten (10) calendar days from the date the student meets with the individual and his/her supervisor(s).

2. Initiation of Formal Grievance

a. A formal grievance is initiated with the submission of an Initiation of Grievance form, which must be signed by the student. Documentation supporting the complaint should be attached to the form. The Initiation of Grievance form may be obtained from the offices of the Vice Presidents for Learning, Learning Support, and the Counseling and Advising Offices.

b. The Initiation of Grievance form, the Student Complaint form, and any other relevant documentation should be submitted to the ADA Coordinator who will investigate the complaint. The Coordinator will complete the investigation, make a determination with respect to the grievance, and inform the student of his/her determination within fourteen (14) calendar days. If the student is not satisfied with the ADA Coordinator’s determination, the student may seek a hearing.

c. A hearing will take place within fourteen (14) calendar days from the time the ADA Coordinator completes the investigation and informs the student of his/her determination. Prior to the hearing, the findings from the ADA Coordinator’s investigation of the complaint will be forwarded to the Associate Vice President for Student Development. This hearing will include the student, the individual whose action, including a determination with respect to a requested accommodation, has resulted in the grievance, his/her supervisor(s), and the Associate Vice President for Student Development who will conduct the hearing and render a decision regarding the alleged ADA compliance violation. The student will be provided with a full opportunity at the hearing to describe the facts which support his/her grievance and to direct reasonable and relevant questions to the Associate Vice President for Student Development, which will be re-communicated to the individual whose action has resulted in the grievance and his/her supervisor(s) for response. The student will be notified of the Associate Vice President for Student Development’s decision in writing within ten (10) calendar days from the date of the hearing.

If the complaint is against the Services for Students with Disabilities program or the ADA Coordinator, an investigation by the ADA Coordinator will be dispensed with, and the complaint will proceed directly to a hearing conducted by the Associate Vice President for Student Development.

If the student is unsatisfied with the decision of the Associate Vice President for Student Development, he/she may appeal to the Vice President for Learning Support. The appeal must be in writing and submitted to the Vice President within ten (10) calendar days of receiving the Associate Vice President for Student Development’s notification of his/her decision. The findings of the Associate Vice President for Student Development will be forwarded to the Vice President. The Vice President will meet with the student within ten (10) calendar days of receiving the student’s appeal. The decision of the Vice President is final and will be communicated to the student in writing within ten (10) calendar days of meeting with the student.

d. A written report of the Vice President’s decision will be maintained in the Vice President for Learning Support’s office for a period of three years after which the records will be destroyed.

C. Procedural Requirements for the Grievance Process

1. Throughout the Grievance Procedure, legal counsel is not permitted to attend (i) at the informal level, either the discussion between the student and the individual whose action, including a determination with respect to a requested accommodation, has resulted in the grievance or any subsequent meeting among the student, the individual in question, and his/her supervisor, or (ii) at the formal level, any meeting or hearing.
2. No retaliation of any kind shall be taken against a student for filing a grievance or for participating or refusing to participate in a grievance. Retaliation may be subject to action under the Code of Student Conduct or applicable employee policies and procedures.

3. The failure by the student to appear for any scheduled meeting or hearing without prior notification or evidence of extenuating circumstances shall constitute withdrawal of the grievance or appeal.

4. The failure of the student to appeal a decision within the designated time period shall constitute a withdrawal of the grievance and bar further action by the student on this grievance. The retraction of a grievance by the student at any point in the process bars the student from re-initiating the grievance.

5. The student may withdraw the formal grievance at any time by written notice to the ADA Coordinator.

6. Grievance records will be held in the ADA Coordinator’s office or, in the case of a hearing or where a grievance is filed against the ADA Coordinator or the Services for Students with Disabilities program, in the office of the Associate Vice President for Student Development. Records will be held for a period of three years after which the records will be destroyed.

D. External Grievance Process

Although a student is encouraged to seek resolutions to grievances within the college’s processes, the student has the right to file any grievance directly with the following agencies, at any time:

- Office for Civil Rights, Philadelphia Office

Wanamaker Building
100 Penn Square East, Suite 515
Philadelphia, PA 19107-3323

Phone 215.656.8541; Fax 215.656.8605

The Statue of Limitations for filing a complaint with OCR is 180 calendar days from the time the alleged compliance violation or discrimination occurred.

Intercollegiate Athletics

Policy (rev. 4/20/05)

A. The Board of Trustees of Frederick Community College supports intercollegiate athletics as a part of the total educational program.

B. Students participating in intercollegiate athletics must have a statement of good health from a physician and should be enrolled in a medical insurance plan.

C. This college supports programs of intercollegiate athletics. The administration of the college is directed to ensure that all activities and functions of the college that deal with athletics are operating to support the needs of its student athletes and that these activities and functions are sound educationally.

Non-discrimination Policy/Procedures

Policy (rev. 1/28/07)

A. The college prohibits discrimination against any person on the basis of race, religion, gender, color, national origin, ancestry, age, sexual orientation, marital status, physical or mental disability of otherwise qualified individuals and any other category protected by federal, State or local law. This non-discrimination policy applies to and includes, but is not necessarily limited to, employment practices, educational programs, student admissions, and access to services. The college will abide by all applicable requirements of State and federal law prohibiting discrimination.

B. For purposes of this and all other policies, and consistent with applicable law, “discrimination” includes harassment of an individual on the basis of a protected classification. This policy prohibits disparate treatment or harassment of individuals because of their protected characteristics even if the conduct does not rise to the level where it is actionable under federal, State, or local law.

C. The college also prohibits any person from engaging in retaliation against any person who exercises in good faith, his or her own rights under college policy or other law, to complain of alleged discrimination, or who participates in or assists others in any investigation charge or proceeding related to alleged discrimination. All students and employees are expected to cooperate in the investigation of complaints of discrimination. Making knowingly false statements in such a proceeding, or intentionally failing to disclose material information, whether as a complainant, a respondent or a witness, is serious misconduct that could subject the individual to disciplinary action.

D. All members of the college community are expected to abide by this non-discrimination policy and to abide by federal, State and local requirements. Those persons charged with a violation of this policy, if substantiated, may be subject to disciplinary action, including discharge, in addition to the penalties imposed under federal, State or local law.

E. The President of the college will implement this policy and notify administrative staff, faculty and support staff about the policy. The President will also establish procedures to investigate and to process complaints made under the policy. Such procedures will provide that in all cases, the college will attempt to respect the confidentiality of the complainant, the respondent and witnesses, to the extent possible consistent with the college’s legal obligations, the necessity to investigate allegations of misconduct and to take corrective action when discrimination has occurred, and with the due process rights of respondents.

F. In addition, the college will go beyond avoiding overt discrimination and will, through educational programs, help faculty and staff to become aware of and to recognize more covert and subtle forms of discrimination and to remove those institutional barriers to equality. Supervisors must promptly report suspected violations of this policy to the senior HR administrator.

Procedures (rev. 4/20/05)

A. The following procedures are adopted to process complaints alleging violations of the college’s policies on Non-discrimination, Equal Employment Opportunity, Equal Educational Opportunity, or Sexual Harassment, and will be in addition to any complaint or charges an employee, applicant or student files with State or federal agencies. These procedures apply to all complaints of sexual harassment made against an employee. Complaints of sexual harassment made against a student will be processed under the student sexual harassment procedure.

B. Initiation of a Complaint. Any employee, applicant, or student who alleges a violation of college policy on Non-discrimination, Equal Employment Opportunity, Equal Educational Opportunity, or Sexual Harassment should file a complaint with the lead administrator of Human Resources* setting for the grounds for the complaint. If the complaint is against the lead administrator of Human Resources, the employee should file the complaint with the chief administrative officer.

C. Fact Finding. The lead administrator of Human Resources* (or the chief administrative officer) will initiate the fact-finding process in response to the complaint and attempt to resolve the issue with the employee, applicant or student.

D. Conference with the President. If the lead administrator of Human Resources* cannot resolve the complaint, the matter will be forwarded to the President of the college by the lead administrator of Human Resources* (or the chief administrative officer) with a recommendation. The President will hold an information conference between the parties and make a decision of the charges.

E. Appeal. The decision of the president may be appealed to the board of trustees.

F. Confidentiality. All parties and staff will keep the complaint, fact-finding process and conference or hearings confidential, except to the extent that it is necessary to investigate and process the complaint.

G. Reprisals and False Complaints. Persons filing complaints of discrimination, harassment, or retaliation will be protected against reprisals by actions that are appropriate to the circumstances. Those persons filing deliberate false complaints will be subject to disciplinary action including dismissal.

H. Disciplinary Action. Substantiated complaints of violation of the above referred to policies may subject the offending party to disciplinary action.

Note: * Indicates that the lead administrator of Human Resources may designate another college administrator to act in his or her absence.
Posting of Information on Campus

Policy (rev. 4/20/05)
The Board of Trustees approves the posting on campus of relevant notices appealing to the general college community and consistent with the stated mission of the institution. All civil laws regarding the public display of information shall apply to the campus.

Procedure
Students with a message to share, an event to promote, a service to offer or an item to sell may use the bulletin boards throughout campus. Flyers must be approved by the Center for Student Engagement, located in the Arts & Student Center (room F-102), before posting. Posters must be in good taste as well as dated. Classified ads should be no larger than an index card. Please do not use staples to post flyers on boards. Job announcements should be posted on the job board in the Career & Transfer Center, located in the lower B/C knuckle.

Safety & Security

Policy (rev. 6/15/05)
Frederick Community College is committed to providing a safe and secure learning and working environment for all students, employees, and visitors on campus. Campus safety and security procedures comply with Title II of the Crime Awareness and Campus Security Act of 1990, as amended, the Health Insurance Protection and Portability Act of 1996, and other appropriate local, State and federal regulations.

Sexual Assault

Policy (rev. 2/20/08)
Frederick Community College recognizes that sexual assault is a serious crime that damages the integrity of the educational institution, destroys the institution's positive work and educational atmosphere, and causes psychological and physiological damage to the victim. The college condemns such illegal activity and is strongly committed to promoting an educational and work environment free from sexual assault of any form.

Frederick Community College will not tolerate sexual assault in any form, including date or acquaintance rape. Making reports and taking action in response to a sexual assault against a student or employee will be limited to incidents occurring on campus, off-campus at college leased or owned facilities, when attending college-sponsored activities or any activities (including participation in field experiences, internships, athletic and cultural events) which are initiated, authorized, or supervised by Frederick Community College, even off-campus, or when representing the college.

Alleged violations of the Sexual Assault policy by an employee will be adjudicated in accordance with the Code of Student Conduct. A substantiated charge against an employee will be reported to the Associate Vice President for Human Resources or his/her designee for adjudication under the college's personnel procedures.

C. Response Procedures
1. All allegations of a sexual assault are to be reported, responded to, and investigated according to the procedures outlined below. When the accused is a student, findings from the investigation will be reported to the Vice President for Learning Support or his/her designee for adjudication in accordance with the Code of Student Conduct. When the accused is an employee, the findings will be reported to the Associate Vice President for Human Resources or his/her designee for adjudication under the college's personnel procedures.
2. If an individual believes a sex offense has occurred, he or she must report it to Campus Security. Sex offenses should be reported as promptly as possible in order to preserve evidence of the events and to better facilitate investigative procedures. When an alleged crime is reported, Campus Security is required to notify the Frederick City Police. An individual charged with sexual assault may be prosecuted under the Maryland State Criminal Codes. The victim has the right to file charges with the Frederick City Police, Maryland State Police, or the Frederick County Sheriff's Department.
3. Campus Security will notify the Executive Director of Risk Management and Public Services or his/her designee, the Counseling Office, and the Vice President for Learning Support if the victim or the accused is a student. In the event that the victim or the accused is an employee, the Associate Vice President for Human Resources will be notified. If the victim so chooses, the Counseling Office representative will provide assistance in working with appropriate law enforcement authorities. At the request of the victim, Campus Security personnel will assist in obtaining appropriate medical attention, including transportation to the nearest designated hospital, by calling emergency medical assistance.
4. Any individual reporting a sexual assault will be treated with respect and sensitivity. Every effort will be made to minimize the number of times the victim is interviewed and required to repeat a preliminary description of the incident. Contacts and conversations relating to the incident will be held in confidence.
5. Throughout the process, the President will be apprised of the circumstances by the Vice President for Learning Support, when the accused is a student, or by the Associate Vice President for Human Resources, when the accused is an employee.
6. A student who is a victim of sexual assault may request a change in classes, and the Vice President for Learning Support will assist with making appropriate changes where options are reasonably available.
7. The FCC Counseling Office will inform victims of sexual assault about existing on and off-campus counseling, mental health, or other services for victims of a sexual crime.
8. Hospitals equipped with Maryland State Police Sexual Assault Evidence Kits: Frederick Memorial Hospital Washington County Hospital Center Carroll County Hospital Gettysburg Hospital Montgomery General Hospital Howard County Hospital
D. Investigating an Alleged Sexual Assault

1. Regardless of whether criminal proceedings are initiated, the college may investigate and initiate disciplinary proceedings if the evidence warrants. An investigation will be conducted by the Executive Director of Risk Management and Public Services or his/her designee, who will report the findings to the Vice President for Learning Support, if the accused is a student, or to the Associate Vice President for Human Resources, if the accused is an employee.

2. Pending the outcome of an investigation of the alleged incident, the Vice President for Learning Support, or if the accused is an employee, the Associate Vice President for Human Resources may take temporary actions to promote safety, security, and a harmonious working and learning environment. Such actions may include, but are not limited to, suspension, transfer, alterations to academic or working schedules or locations, or other steps deemed appropriate.

3. During the investigation, the Executive Director of Risk Management and Public Services shall meet with the accuser. During such meetings, the accuser may request the presence of other appropriate persons who may participate in the review, but not as legal counsel.

4. The Executive Director of Risk Management and Public Services shall also meet with the accused and present allegations made by the accuser. The allegations need not be presented in writing. The accused shall be provided an opportunity to respond to the allegations. During any such meeting, the accused may request the presence of other appropriate persons who may participate in the review, but not as legal counsel.

5. During the investigation, the Executive Director of Risk Management and Public Services shall interview other witnesses who are believed to have information potentially relevant to the allegations.

E. Adjudicating Alleged Violations

1. The Executive Director of Risk Management and Public Services will report the evidence adduced during the investigation to the Vice President for Learning Support for adjudication in accordance with the Code of Student Conduct when the accused is a student. When the accused is an employee, the findings will be reported to the Associate Vice President for Human Resources for adjudication under the college's personnel procedures. Any disciplinary action taken will be in accordance with prescribed policies and procedures governing student or employee conduct.

2. In addition to reviewing the evidence presented by the Executive Director of Risk Management and Public Services, the college may also consider determinations made by law enforcement agencies. A decision by criminal justice authorities not to prosecute does not preclude the college from pursuing disciplinary action.

3. The Student Right to Know and Campus Security Act as amended by the Higher Education Amendments of 1992 requires the college to inform the victim of an alleged sexual assault of the final outcome of student judicial proceedings against the charged student.

F. Prohibition Against Retaliation

Retaliation against a complainant or a person who provides information in support of a complaint is prohibited. Any person who retaliates against a complainant or a person who provides information in support of a complainant shall be subject to disciplinary action.

G. False Accusations

The college condemns the deliberate filing of false accusations of sexual assault. If it is determined that the complainant deliberately filed a false accusation, he/she will be subject to disciplinary measures in accordance with prescribed policies and procedures governing student or employee behavior.

Sexual Harassment

Policy (rev. 2/20/08)

Frederick Community College concurs in the action of the Maryland Higher Education Commission in recognizing that sexual harassment seriously damages the integrity of the educational institution, destroys the institution's positive work and educational atmosphere, and causes psychological and physiological damage to the victim. The college condemns such illegal activity and is strongly committed to promoting an educational and work environment free from sexual harassment of any form. For the purpose of this policy, the college adopts the sexual harassment definition promulgated by the United States Equal Employment Opportunity Commission.

It is a violation of this policy for any member of the college staff to harass a student or employee through conduct or communications of a sexual or gender-based nature. It is also a violation of this policy for students to harass other students through conduct or communications of a sexual or gender-based nature or for students to harass staff.

Making reports and taking action in response to a charge of sexual harassment will be limited to incidents occurring on campus, off-campus at college-leased or owned facilities, when attending college-sponsored activities or any activities (including participation in field experiences, internships, athletic and cultural events) which are initiated, authorized, or supervised by Frederick Community College, even off campus, or when representing the college.

Alleged violations of the Sexual Harassment policy by an employee will be adjudicated in accordance with college personnel procedures. A substantiated charge against an employee of the college will subject that employee to disciplinary action, which may include dismissal. Alleged violations by a student will be adjudicated in accordance with the Code of Student Conduct. A substantiated charge against a student of the college will subject that student to disciplinary action including suspension or expulsion.

Student Procedures for Filing a Sexual Harassment Complaint (rev. 9/12/07)

A. Definition and Scope

1. Frederick Community College will not tolerate sexual harassment. Students are prohibited from engaging in sexual harassment of faculty, staff, or other students. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors and other inappropriate behavior of a sexual or gender-based nature when:

   a. Submission to such conduct is made, either explicitly or implicitly, a term or condition of an individual's participation in a college sponsored educational program or activity;

   b. Submission to or rejection of such conduct by an individual is used as the basis for educational decisions affecting that individual;

   c. Such conduct has the purpose or effect of substantially interfering with an individual's educational performance or of creating an intimidating, hostile or offensive educational environment.

2. Sexual harassment may occur between people of the same or different genders, as well as between people of the same or different sexual orientation. Sexual harassment may take many forms. Sexual assault and requests for sexual favors that affect educational decisions constitute sexual harassment. However, sexual harassment may also arise from behavior that has the effect of creating an intimidating, hostile, or offensive educational environment. Sexual harassment may include physical action, spoken words, or written communication. Examples of conduct that may be harassment include: unwelcome physical contact, pressure for sexual activity, sexual remarks about a person's clothing, body, or sexual relations; conversation, jokes, or stories of a sexual nature; and the display of sexually explicit materials including posters, cartoons, and e-mail.

B. Investigating Alleged Violations of the Sexual Harassment Policy

The following procedures are to be followed when the accused party is a student. If the accused party is an employee, the complaint is to be referred to the Associate Vice President for Human Resources.

1. Informal Procedures

   Students who reasonably believe that they have been sexually harassed under the definitions set forth above should contact the Associate Vice President, Student Development or his/her designee within 120 days following an alleged incident of sexual harassment. The Associate Vice President may waive the 120 day period with good cause. At the initial meeting with the Associate Vice President, the complainant will be asked to document in writing the nature of the complaint. These discussions will be handled in a professional and confidential manner. The Associate Vice President will advise the student on informal and formal procedures to follow, and will assist the student as needed in pursuing his/her options. This may include preparation for a formal hearing, referral to a Vice President or other appropriate college official, or assistance in negotiating with the alleged offender.
a. When a complaint is received the Associate Vice President will discuss the complaint with the accused party who will have an opportunity to respond. The Associate Vice President will record the complaint in a confidential log but will not disclose the complainant’s identity to the accused party without the written consent of the complainant. Furthermore, no disciplinary action against an accused person will be initiated without disclosure of the complainant’s identity unless there are repeated charges from different individuals.

In addition, the Associate Vice President may determine that no action is warranted; arrange for a written agreement acceptable to both parties without an indication of findings; or investigate and then present findings to the Vice President for Learning Support, in accordance with the Code of Student Conduct, if an informal resolution cannot be reached.

b. The results of the investigation will be confidentially reported to the complainant, the alleged offender, and the Vice President for Learning Support.

c. Care will be exercised to effect an informal resolution of the complaint that is acceptable to the parties. However, if a resolution cannot be found through informal procedures, then the Associate Vice President will refer the case to the Vice President for Learning Support or his/her designee for adjudication under the Code of Student Conduct.

2. Formal Procedures

When referring the case, the Associate Vice President will direct the complainant to complete a “Reporting Violations of the Code of Student Conduct” form. The completed “Reporting Violations of the Code of Student Conduct” form, the student’s initial written documentation of the complaint, and the report from the Associate Vice President summarizing the evidence adduced during the investigation will be forwarded to the Vice President for Learning Support.

The Vice President will request a conference with the alleged violator and will provide written notification of the alleged violation, the specific charges against him/her, and an explanation of the evidence the Vice President has. In addition, the student will be informed that he/she will have an opportunity to present his/her side of the story and present any evidence at the conference with the Vice President.

After conferring with the student, the Vice President may dismiss the allegation due to insufficient or unsubstantiated evidence or issue an administrative disciplinary sanction in cases where there is sufficient evidence to support such action. Any disciplinary action taken will be in accordance with prescribed policies and procedures governing student conduct. A substantiated charge against a student will subject that student to disciplinary action which may include suspension or expulsion.

C. Confidentiality

All complaints of sexual harassment are to be kept confidential. The complaint will be discussed only with those who have a legitimate administrative or legal reason to know about the complaint. Failure to exercise care in the disclosure of information is a violation of the Sexual Harassment policy and may result in disciplinary action.

D. Prohibition Against Retaliation

Retaliation against a complainant or a person who provides information in support of a complainant is prohibited. Any person who retaliates against a complainant or a person who provides information in support of a complainant shall be subject to disciplinary action.

E. False Accusations

The college condemns the deliberate filing of false accusations of sexual harassment. If it is determined that the complainant deliberately filed a false accusation, he/she will be subject to disciplinary measures in accordance with prescribed policies and procedures governing student or employee conduct.

**Procedures (rev. 9/12/07)**

A. Introduction

All college employees, students, and visitors are expected to comply with the college Smoking Policy and Procedures and assume personal responsibility for effective implementation of the policy. To ensure effective campus-wide compliance, the college will provide education about the policy and enforcement procedures to all students, staff, and visitors.

B. Notification about the Policy/Procedures

1. The policy/procedures are communicated to all individuals through a variety of mediums including the student handbook, faculty handbook, college intranet, college Web site, and Use of Facility form.
2. The policy/procedures will be given to all newly hired employees during new employee orientation sessions.
3. No Smoking signs are posted in common areas such as building entrances and lobbies, athletic fields, food service areas, walkways, and parking lots.
4. Faculty, staff, and students are encouraged to inform violators of the smoking policy. In doing so, individuals should not become confrontational with violators. In those instances where a violator refuses to comply with the policy, Security should be contacted.

C. Enforcement

1. When a violation of the smoking policy is observed by a faculty, staff, student, or visitor, the individual should inform the violator of the college’s smoking policy and request that they stop smoking or move to a designated smoking area.
   a. If the violator(s) refuses to comply or becomes confrontational, Security should be contacted.
   b. If a violation of the smoking policy is observed by a Security Officer, a Smoking Policy Violation form will be prepared in duplicate. One copy shall be issued to the violator(s) and one shall be filed in the Security Office.
   c. If the violator(s) refuses to comply, or otherwise becomes confrontational, reasonable, non-physical efforts (including the use of Security cell phone camera) will be made to identify the violator(s).
   d. Incidents of refusal to comply or confrontational response will be documented on a Security Incident Report and forwarded to the appropriate campus authority. Incidents involving employees will be reported to the AVP for Human Resources. Incidents involving students will be reported to the Vice President Learning Support or his/her designee.

D. Reporting and Tracking Violations

1. Violations of the smoking policy are recorded on the Smoking Policy Violation form. All violations will be kept on file and tracked in the Security Office.
2. When the Security office receives a third documentation of a violation of the policy, the employee or student will be referred for adjudication to the appropriate campus official.
   a. Repeat violations by employees will be reported to the AVP for Human Resources by providing a copy of the Smoking Policy Violation Form.
   b. Repeat violations by students will be reported to the Vice President, Learning Support or his/her designee. Security will complete and submit a Code of Student Conduct Violation Report form identifying all prior documented violations.

E. Adjudication

1. Cases involving employees charged with three violations of the smoking policy will be adjudicated in accordance with college personnel procedures.
2. Cases involving students charged with three violations of the smoking policy will be adjudicated in accordance with the Code of Student Conduct.

F. Smoking Prevention and Cessation Resources

1. The college is committed to providing education and assistance to both discourage individuals from starting to smoke and to help smokers in their efforts to quit. A variety of information and resources regarding smoking prevention and cessation is available from the following offices: Counseling and Advising, Office of Adult Services, and Student Life.

**Smoking**

**Policy (rev. 4/8/07)**

The use of all tobacco products is prohibited on all college property, either owned or leased, with the exception of the parking lots.

All faculty, staff, students, and visitors will be required to comply with this policy. The Security Department is responsible for monitoring and maintaining compliance with smoking regulations. Problems of non-compliance should first be presented to appropriate supervisors (for students, the chief student affairs officer) for resolution.
Traffic Control Procedures

Parking Information
The Executive Director of Risk Management and Public Service is responsible for publishing the necessary parking and traffic regulations to ensure safe and efficient operation of the college.

Speed limit—The speed limit on campus is 20mph.

Restricted areas—Restricted areas (fire lanes, loading areas, and no parking areas) are marked by signs, yellow painted curbing, or painted hash marks. Parking is prohibited in these areas. No parking is permitted on campus roads, road shoulders, or grass areas.

Motorcycle parking—Located in lot 8.

Student parking—Student parking lots are located in the following areas: Lots 2 and 4 are adjacent to Administration Hall (A), lots 5 and 6 are adjacent to the Conference Center (E), lot 7 is adjacent to the Science and Technology Hall (C), lot 8 is adjacent to the baseball field, lots 9 and 10 are adjacent to the softball field, lot 14 is adjacent to the arts and Student Center (F), and after 5:00pm lot 13 adjacent to the Field House (D). Parking stickers are available in the Welcome & Registration Center.

Visitor parking—The visitor parking area (lot 1) adjacent to Administration Hall (A) is for visitor use only. The three thirty minute spaces in the visitor lot are for library book drop off or other short term visits to the campus. Student parking is prohibited in the visitor lot.

Staff parking—Staff parking is available in the gated lot. Lots 7, 13, and 14 have reserved spaces marked staff. No student or visitor parking is permitted in spaces reserved for staff parking. Special permits may be issued to permit use of reserved or college-owned vehicle spaces. These temporary permits may be issued to faculty and staff for medical reasons. Vehicle registration forms and stickers are available from the security office in Administration Hall. Spaces marked “Reserved for College Vehicles” are for college-owned vehicles or vehicles displaying special temporary permits only.

Handicapped parking—Parking in spaces designated for the handicapped will be restricted to vehicles with properly displayed, valid motor vehicle tags or temporary permits issued by the Maryland Department of Motor Vehicles.

Use of College Facilities

Policy (rev. 4/20/05)
A. Members of the college faculty and staff and student body are entitled to use the college facilities when they are not in use during the normal college schedule. Requests for the use of facilities by college staff members are to be submitted to the President’s Office in advance.
B. The Board of Trustees recognizes that college facilities belong to the people and encourages their use by the public when they are not being used for their principle purpose. The President of the college is authorized to establish administrative procedures and regulations which will provide for use of college facilities by noncollege groups without profit to the Board of Trustees. However, the actual costs of operation must be defrayed by the users.
C. Fees as established by the Board of Trustees shall be charged for use of college facilities by noncollege groups.

Visitors & Children on Campus

Procedure (rev. 4/20/05)
Frederick Community College is a valuable cultural resource for Frederick County, and the community is invited to attend events, use facilities such as the library, and enjoy other college activities and amenities.

Student Right to Know/Athletic Graduation/Completion & Transfer-out Rates

Frederick Community College is pleased to provide all students with the following information regarding our institution’s graduation/completion and transfer-out rates (i.e., students transferring to another college). This data is compiled each year by FCC in compliance with the Department of Education’s Higher Education Act of 1965. This disclosure statement is provided for information purposes only.

Questions related to this student enrollment data should be directed to Gohar Farahani, executive director of outcomes assessment, research & planning, at 301.846.2451.

<table>
<thead>
<tr>
<th>First-time, Full-time, Degree seeking - Fall 2005</th>
<th>Non-Resident Alien</th>
<th>Black Non-Hispanic</th>
<th>American Indian Alaska Native</th>
<th>Asian or Pacific Islander</th>
<th>Hispanic</th>
<th>White, Non-Hispanic</th>
<th>Race/Ethnicity Unknown</th>
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</thead>
<tbody>
<tr>
<td>Men Women</td>
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<tr>
<td>Athletes Received Athletic Aid</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>4</td>
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<tr>
<td>Graduate</td>
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<tr>
<td>Transfer</td>
<td>1</td>
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<tr>
<td>Graduation/Transfer-Out Rates by Sports Cohorts:</td>
<td></td>
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<tr>
<td>Basketball</td>
<td>1</td>
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<td></td>
<td></td>
<td>1</td>
<td>1</td>
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<tr>
<td>Baseball</td>
<td></td>
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<td></td>
<td></td>
<td>5</td>
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<tr>
<td>All Other Sports Combined</td>
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<td>2</td>
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<tr>
<td>Athletes Received Financial Aid</td>
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<tr>
<td># Graduated/Transferred</td>
<td>10</td>
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<tr>
<td>Graduation/Transfer Rate</td>
<td>77%</td>
<td></td>
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</tr>
</tbody>
</table>

Note: One student graduated and transferred.
The college has a responsibility to enforce standards of conduct, which are considered essential to its function as an educational institution. Visitors are expected to obey the law, show respect for properly constituted authority, and observe a standard of conduct appropriate for the college. Proper conduct is expected while on campus, off-campus at college-leased or owned facilities, attending college-sponsored activities or any activities which are initiated, authorized, or supervised by Frederick Community College.

Action may be taken when any visitor: (1) fails to observe the general standards of conduct or any specific policy, rule, regulation, or college procedure adopted by the college; or (2) interferes with the educational or operational environment of the college. Steps taken by the college could include disciplinary or criminal action, or letters of no trespass.

Considerations for Children

FCC is a family-friendly institution that welcomes children to participate in a number of programs and activities. In addition, the college recognizes that visitors must bring children (defined as persons under the age of 16 who are not students at the college) to campus for other reasons. However, in order for the college to conduct its operations and maintain its facilities as an institution of higher education, arrangements must be made for children to be under the direct supervision of a parent or guardian at all times. Children must observe all Standards of Visitor Conduct.

Students may need to bring children to campus and to class in unusual circumstances, with the understanding that this is a temporary occurrence. Students should first obtain permission from faculty, to assure that the child's presence in the classroom will not interfere with the learning atmosphere.

There are many instances where both supervised and unsupervised children are discouraged from being on campus, due to possible disruption of normal college operations. Examples include visiting classrooms, the library, the fitness center, laboratories, the gymnasium, or any other area where their presence may constitute a danger to themselves or others. Additionally, for their own safety and out of consideration for other testers, under no circumstances are children permitted in the Testing Center presence may constitute a danger to themselves or others. Additionally, for their own safety and out of consideration for other testers, under no circumstances are children permitted in the Testing Center or to be left unattended during testing. The Testing Center staff cannot be responsible for children who require care and supervision.

The college does not accept any responsibility or liability for injuries to children who are on college premises in violation of the above procedural guidelines.

Standards of Visitor Conduct

1. Individuals violating acceptable standards of conduct are subject to disciplinary or legal action where appropriate. The following shall constitute unacceptable behavior on campus, off-campus at college-leased or owned facilities, and when attending college-sponsored activities or any activities which are initiated, authorized, or supervised by Frederick Community College.
   a. Disruption, obstruction of, or interference with college or college-sponsored activities, including, but not limited to teaching, research, studying, administration, sporting events, cultural events, fire, police, or emergency services, or other college functions.
   b. Unlawful use, possession, manufacture, sale, or distribution of any illegal or controlled substance, the abuse of alcohol, and the use of alcohol by anyone under 21 years of age.
   c. Drinking or possession of alcoholic beverages except as expressly permitted by the President.
   d. Unauthorized entry to or use of college property, including the failure to leave any of the college buildings or grounds after being requested to do so by an authorized employee of the college.
   e. Molestation, assault and battery, physical and/or psychological abuse, threat, or harassment of any member of the college community or visitor to the college, or conduct which threatens or endangers the health or safety of any such person.
   f. Theft or attempted theft of college or personal property of a member of the college community or campus visitor, or knowingly possessing such stolen property.
   g. Illegal gambling; disorderly, lewd, indecent, or obscene conduct or expression.
   h. Forging, unauthorized altering, falsifying or unauthorized use of any college documents, records, keys, or instruments of identification.
   i. Failure to comply with the reasonable directions of authorized college officials, including campus security personnel, acting in the performance of their duties, including refusing to furnish identification upon request.
   j. Using, possessing, or storing illegal or unauthorized arms classified as weapons, fireworks, explosives, or dangerous chemicals.
   k. Smoking in unauthorized areas.
   l. Acts of harassment, written, verbal or physical, that stigmatize or victimize an individual on the basis of, but not limited to, the following: race, ethnicity, religion, sex, sexual orientation, creed, national origin, ancestry, age, mental status, or disabilities.
   m. Engaging in any form of forcible or non-forcible sexual offense.
   n. Damaging, defacing, destroying, or misusing college property or property under its jurisdiction or the property of a member of the college community or campus visitor.
   o. Furnishing false information to the college or to members of the college community who are acting in the exercise of their official duties.
   p. Unauthorized or fraudulent use of the college's facilities and/or equipment, including, but not limited to, the telephone system, mail system, computer system, transportation system, and/or equipment, or use of any of the above for any illegal act.
   q. Using sound amplification equipment, systems or devices, except as permitted by the college.
   r. Abuse of computer usage and network access (see Use of Computer and Electronic Information Resources).
   s. Violating fire or safety regulations, including the misuse or damage of fire safety equipment.
2. The college may take any appropriate measures it feels necessary for violations that can include arrest by proper authorities and/or removal and banishment from campus.

Weapons

Policy (4/20/05)

Firearms and other dangerous weapons are not allowed on campus except:

In the possession of an employee of a governmental law enforcement organization who is required by his/her employer to possess the weapon on campus.

In the possession of a faculty member or other designated instructor for instructional purposes authorized by Frederick Community College.

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.
MHEC Transfer Policies

Title 13B Maryland Higher Education Commission
Subtitle 02 Academic Regulation
Subtitle 06 General Education & Transfer Authority: Education Article 11-2-111-206, 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) "Arts" means courses that examine aesthetics and the development of the aesthetic form and explore the relationship between theory and practice. Courses in this area may include fine arts, performing and studio arts, appreciation of the arts, and history of the arts.
(4) "A.S. degree" means the Associate of Sciences degree.
(5) "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.
(6) "English composition courses" means courses that provide students with communication knowledge and skills appropriate to various writing situations, including intellectual inquiry and academic research.
(7) "General education" means the foundation of the higher education curriculum providing a coherent intellectual experience for all students.
(8) "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.
(9) "Humanities" means courses that examine the values and cultural heritage that establish the framework for inquiry into the meaning of life. Courses in the humanities may include the language, history, literature, and philosophy of Western and other cultures.
(10) "Mathematics" means courses that provide students with numerical, analytical, statistical, and problem-solving skills.
(11) "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.
(12) "Parallel program" means the program of study or courses at one institution of higher education which has 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.
(13) "Receiving institution" means the institution of higher education at which a transfer student currently desires to enroll.
(14) "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 2 years of the baccalaureate degree.
(15) "Sending institution" means the institution of higher education of most recent previous enrollment by a transfer student at which transferable academic credit was earned.
(16) "Social and behavioral sciences" means courses that examine the psychology of individuals and the ways in which individuals, groups, or segments of society behave, function, and influence one another. The courses include, but are not limited to, subjects which focus on:
(a) History and cultural diversity;
(b) Concepts of groups, work, and political systems;
(c) Applications of qualitative and quantitative data to social issues; and
(d) Interdependence of individuals, society, and the physical environment.
(17) "Transfer student" means a student entering an institution for the first time having successfully completed a minimum of 12 semester hours at another institution which is applicable for credit at the institution the student is entering.

.02-1 Admission of Transfer Students to Public Institutions.
A. Admission to Institutions.
(1) A student attending a public institution who has completed an A.A., A.A.S., or A.S. degree or who has completed 56 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 in parallel courses, except as provided in §A(4) of this regulation.
(2) A student attending a public institution who has not completed an A.A., A.A.S., or A.S. degree or who has completed fewer than 56 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 in parallel courses.
(3) 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; 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 higher performance standards for admission 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) If the number of students seeking admission exceeds the number that can be accommodated in a particular professional or specialized program, admission decisions shall be:
(a) Based on criteria developed and published by the receiving public institution, and
(b) Made to provide fair and equal treatment for native and transfer students.

(3) 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.

.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. 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 30 and not more than 36 semester hours, and each baccalaureate degree program to include not less than 40 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,
   (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) One course in each of two disciplines in arts and humanities;

(2) One course in each of two disciplines in social and behavioral sciences;

(3) Two science courses, at least one of which shall be a laboratory course;

(4) One course in mathematics at or above the level of college algebra; and

(5) One course in English composition.

D. Interdisciplinary and Emerging Issues.

(1) In addition to the five required areas in §A of this regulation, a public institution may include up to 8 semester hours in a sixth category that addresses emerging issues that institutions have identified as essential to a full program of general education for their students. These courses may:

   (a) Be integrated into other general education courses or may be presented as separate courses; and

   (b) Include courses that:

      (i) Provide an interdisciplinary examination of issues across the five areas, or

      (ii) Address other categories of knowledge, skills, and values that lie outside of the five areas.

(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 20 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. Public institutions may incorporate knowledge and skills involving the use of quantitative data, effective writing, information retrieval, and information literacy when possible in the general education program.

M. 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.

N. Public institutions shall develop systems to ensure that courses approved for inclusion on the list of general education courses are designed and assessed to comply with the requirements of this chapter.

.04 Transfer of General Education Credit.

A. 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.

B. 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.

C. 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.

D. 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.

E. 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 16 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.

F. A sending 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.

G. A.A.S. Degrees.

(1) While there may be variance in the numbers of hours of general education required for A.A., A.S., and A.A.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.

(2) An A.A.S. student 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 semester hours.
H. Student Responsibilities. A student is held:
   (1) Accountable for the loss of credits that:
       (a) Result from changes in the student’s selection of the major program of study;
       (b) Were earned for remedial course work, or
       (c) Exceed the total course credits accepted in transfer as allowed by this chapter, and
       (2) Responsible for meeting all requirements of the academic program of the receiving institution.

.05 Transfer of Nongeneral Education Program Credit.
A. Transfer to Another Public Institution.
   (1) Credit earned at any public institution in the State is transferable to any other public
   institution if the:
       (a) Credit is from a college or university parallel course or program;
       (b) Grades in the block of courses transferred average 2.0 or higher; and
       (c) Acceptance of the credit is consistent with the policies of the receiving institution governing
   native students following the same program.
   (2) 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 is limited to:
   (1) 1/2 the baccalaureate degree program requirement, but may not be more than 70 semester
   hours; and
   (2) The first 2 years of the undergraduate education experience.
C. Nontraditional Credit.
   (1) 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.
   (2) 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:
       (a) Technical courses from career programs;
       (b) Course credit awarded through articulation agreements with other segments or agencies;
       (c) Credit awarded for clinical practice or cooperative education experiences; and
       (d) Credit awarded for life and work experiences.
   (3) The basis for the awarding of the credit shall be indicated on the student’s transcript by the
   receiving institution.
   (4) 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.
   (5) 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.
   (1) Recommended transfer programs shall be developed through consultation 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
   their programs. 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.
   (2) Recommended transfer programs in effect at the time that this regulation takes effect, which
   conform to this chapter

.06 Academic Success and General Well-Being of Transfer Students.
A. Sending Institutions.
   (1) Community colleges shall encourage their students to complete the associate degree or
   complete 68 hours in a recommended transfer program which 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 at 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 of a degree-seeking transfer student as
   expeditiously as possible, and notify the student of the results not later than mid-semester
   of the student’s first semester of enrollment at the receiving institution, if all official transcripts
   have been received at least 15 working days before mid-semester. The receiving institution
   shall inform a student of the courses which are acceptable for transfer credit and the courses
   which are applicable to the student’s intended program of study.
   (4) A receiving institution shall give a transfer student the option of satisfying institutional
   graduation requirements that were in effect at the receiving institution at the time the student
   enrolled as a freshman at the sending institution. In the case of major requirements, a transfer
   student may satisfy the major requirements in effect at the time when the student was
   identifiable as pursuing the recommended transfer program at the sending institution. These
   conditions are applicable to a student who has been continuously enrolled at the sending
   institution.

.07 Programmatic Currency.
A. A receiving institution shall provide to the community college current and accurate information
   on recommended transfer programs and the transferability status of courses. Community college
   students shall have access to this information.
B. Recommended transfer programs shall be developed with each community college whenever
   new baccalaureate programs are approved by the degree-granting institution.
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.

.08 Transfer Mediation Committee.
A. There is a Transfer Mediation Committee, appointed by the Secretary, which is representative of
   the public 4-year colleges and universities and the community colleges.
B. Sending and receiving institutions that disagree on the transferability of general education courses
   as defined by this chapter shall submit their disagreements to the Transfer Mediation Committee.
   The Transfer Mediation Committee shall address general questions regarding existing or past
   courses only, not individual student cases, and shall also address questions raised by institutions
   about the acceptability of new general education courses. 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.
.09 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.

.10 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.
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Part-Time faculty

There were 550 part-time faculty members teaching classes during the 2007-08 academic year. Individuals are appointed on a semester-by-semester basis and teach in both the day and evening programs.

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vacant

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Student Advisor/Recruiter  
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M.S., Western Maryland College

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M.Ed., Western Maryland College

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Transcript/Registration Specialist  
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Assistant Director, Children’s Center  
B.A., La Roche College

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Rhonda J. Geesaman (2005)
Payroll Specialist

Barbara Herald (2006)
Staff Accountant
A.A., Montgomery College

Fred Hockenberry (2008)
Director, Bookstore Services

Jennifer Knight (2007)
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A.A., Frederick Community College
B.S., University of Maryland University College

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B.S., Shepherd College

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C.P.A., State of Maryland
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A.A., Frederick Community College

Sandina D. Toms (2000)
Assistant Manager, Food Service

Wendy Tresselt (1987)
Assistant Manager, Bookstore
A.A., Frederick Community College

Jane Wolfe (1991)
Payroll Manager
A.A., Frederick Community College

Human Resources

Donald C. Francis (2004)
Associate Vice President, Human Resources
B.S., Culver Stockton College
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HR Associate
A.A., Frederick Community College
B.A., Hood College

Diana Oliver (2007)
Assistant Director, Human Resources
B.A., Hood College

Daniel J. Smith (2005)
HR Recruitment Manager
A.A., Valencia Community College
B.A., M.A., Rollins College

Plant Operations

Curtis Sandusky (1981)
Director, Plant Operations

Dave Barr (2009)
Custodial Shift Supervisor, 3rd Shift

Jeffrey L. Buhrman (1989)
Custodian

David C. Burdette (2000)
Maintenance Technician/General

Anthony Corriere (2007)
Maintenance Technician/Electrician

Dennis Cupp (2008)
Custodian, 3rd Shift

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Custodian

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Custodian

Charles Gallion (2005)
Groundskeeper

James Gibson (1981)
Grounds Crew Foreman

Jackson M. Jenkins (2003)
Custodial Shift Supervisor

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Groundskeeper

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Painter

Frank Lippy (2004)
Maintenance Technician/General (Night)

Christopher Lucas (2004)
Custodian

David W. Merchant (1999)
Maintenance Technician/Carpenter
B.S., Towson State University

Charles Montgomery (2008)
Building Services Specialist

Maintenance Technician/General

Paul Parsons (2006)
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Custodian

Mark Price (2007)
Custodian, 2nd Shift

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Maintenance Technician/HVAC

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Maintenance Supervisor

Thomas Rippeon (1989)
Custodian

Darrell A. Rollins (1999)
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Administrative Associate II, Plant Operations

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Custodial Supervisor

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B.S., West Virginia Wesleyan

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Risk Management/Public Services

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Frederick Community College subscribes to full access to all college facilities as outlined in the Americans with Disabilities Act of 1990 and as amended. The designated coordinator for the college's compliance with Section 504 of the Rehabilitation Act of 1973, and for the Americans with Disabilities Act is Kate Kramer-Jefferson, 301.846.2409.

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's accreditation documentation is available in the library.

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.

7932 Opossumtown Pike • Frederick, Maryland 21702
301.846.2400 • 301.846.2625 (TDD) • 301.846.2498 Fax
www.frederick.edu
Administration Hall (A): college information center, Welcome & Registration Center, cashier, financial aid, counseling, adult services, veterans office, security, president, other administrative offices, student lounge in lower A/B knuckle

Academic Hall (B): drafting lab, mathematics lab, faculty offices, classrooms, career & transfer center in lower B/C knuckle

Science-Technology Hall (C): biology & chemistry labs, computer labs, photography darkroom, faculty offices, classrooms, Sara Lee Sandwich Shoppe in upper B/C knuckle

Field House (D): gymnasium, weight room, classrooms, athletic director, faculty offices, locker rooms

Conference Center (E): conference rooms, distance learning classrooms, technology labs, Mac lab, Continuing Education offices

Arts & Student Center (F): bookstore, Cougar Grille, JBK Theater, MCH Art Gallery, Center for Student Engagement, student government association, music classrooms & practice rooms, art classrooms, faculty offices, student lounge

Administrative Services (G): human resources, purchasing, finance, IT, other administrative offices

Children's Center (K): child care center

Library Building (L): library, allied health/nursing labs, testing center, writing center, video lab, language lab, faculty offices, classrooms, student lounge

Sweadner Hall (SH): lecture hall

Advanced Workforce Training Center at Monroe Avenue: building trades classrooms, general classrooms, offices

Classroom/Student Center—opening spring 2010: Cougar Grille, Bookstore, security, Center for Student Engagement, student government association, classrooms, faculty offices, student lounge
2009/2010 Academic Calendar

**Fall Semester**

Aug. 20.................Fall Convocation - College offices open at 10 a.m.
Aug. 21.................New Student Convocation–Learning Support offices closed
Aug. 22.................First day of fall classes
Sept. 4.................College offices close at 4:30 p.m., College closes at 11 p.m.
Sept. 5.................No classes–College closed
Sept. 7.................Labor Day–College closed
Nov. 3.................Election Day–No classes
Nov. 25.................No classes–College offices close at 4:30 p.m.,
                     College closes at 11 p.m.
Nov. 26 - Nov. 29.....Thanksgiving break–College closed
Dec. 11.................Winter Holidays Luncheon
                     Offices closed from 11:30 a.m.—1:30 p.m.
Dec. 12.................Last day of fall classes
Dec. 14-15.............Fall Make-up Days
Dec. 22.................College offices close at 4:30 p.m., College closes at 11 p.m.
Dec. 23 - Jan. 3........Winter Break–College closed

**Spring Semester**

Jan. 23.................First day of spring classes
Feb. 5.................Celebration of Excellence & Spring Convocation
                     College Luncheon—offices closed from 11:30 a.m. – 1:30 p.m.
Feb. 12.................Spring Convocation Make-up Date
Mar 29-30.............Spring Break
                     March 29—no credit classes. College closes at 11 p.m.
                     March 30—no credit classes. College offices close at 4:30 p.m.,
                     College closes at 11 p.m.
Mar 31-Apr. 4...........Traditional Break – College closed
May 14.................Last day of spring classes
May 17-18.............Spring Make-up Days
May 20.................Commencement

**Summer Sessions**

May 28.................College offices close at 4:30 p.m., College closes at 11 p.m.
May 29-31.............Memorial Day–College closed
June 2.................First 3-week, 5-week, 8-week & summer sessions begin
June 22.................Last day of first 3-week term
July 3-5.................Independence Day–College closed
July 6.................Last day of first 5-week classes
July 8.................Second 5-week and second 3-week sessions begin
July 28.................Last day of 8-week & second 3-week sessions
Aug. 11.................Last day of second 5-week session