



2018 FALL CREDIT SCHEDULE



FREDERICK.EDU



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Hours of Operation

Enrollment Services

(Jefferson Hall)*

Admissions, Counseling & Advising, Financial Aid, Registration & Records, Student Accounts, Welcome Center

* Scheduled for renovations beginning Summer 2018, please refer to frederick.edu/JeffersonHall for current Jefferson Hall service locations and hours.

Adult Services, Services for Students with Disabilities, and Veteran Services

(Annapolis Hall, first floor)

Adult Services and Veteran Services Hours

Monday, 8:30 a.m. – 7 p.m.

Tuesday–Friday, 8:30 a.m. – 4:30 p.m.

Services for Students with Disabilities Hours

Monday–Friday, 8:30 a.m. – 4:30 p.m.*

* Additional evening hours until 7 p.m. are available on specified dates each semester. Please refer to frederick.edu for more information.

Multicultural Student Services and Bookstore

(Student Center, first floor)

Multicultural Student Service Hours

Monday–Friday, 8:30 a.m. – 4:30 p.m.

Bookstore Hours

Monday–Thursday, 8:30 a.m. – 6 p.m.

Friday, 8:30 a.m. – 4:30 p.m.

The Testing Center

(Linganore Hall, first floor)

Monday–Thursday, 8:30 a.m. – 7 p.m.

Friday, 8:30 a.m. – 4:30 p.m.

Saturday, 9 a.m. – noon

Frederick Community College prohibits discrimination against any person on the basis of age, ancestry, citizenship status, color, creed, ethnicity, gender identity and expression, genetic information, marital status, mental or physical disability, national origin, race, religious affiliation, sex, sexual orientation, or veteran status in its activities, admissions, educational programs, and employment. Frederick Community College makes every effort to accommodate individuals with disabilities for College-sponsored events and programs. If you have accommodation needs or questions, please call 301.846.2408. To request a sign language interpreter, please visit <http://fcc-interpreting.genbook.com>. If you have interpreting related questions, please email Interpreting@frederick.edu. Sign language interpreters will not be automatically provided for College-sponsored events without a request for services. To guarantee accommodations, requests must be made at least five workdays in advance of a scheduled event. If your request pertains to accessible transportation for a College-sponsored trip, please submit your request at least 21 calendar days in advance. Requests made less than 21 calendar days in advance may not be able to be guaranteed.

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

Board of Trustees

David F. Bufter, Chair • Myrna R. Whitworth, Vice Chair • Debra S. Borden • Nick Diaz • Tom Lynch • Dr. John Molesworth
Elizabeth Burmaster, Secretary/Treasurer • Janice Spiegel, Education Liaison/Office of the County Executive

Registration opens April 16

Fall 2018 Academic Sessions

Breaks and Holidays

Sept. 3	Labor Day, Enrollment Services not available
Nov. 6	Election Day, no credit classes - College open
Nov. 21	No credit classes, offices open until 4:30 p.m., college holiday begins 11 p.m.
Nov. 22-25	College Holiday
Dec. 21 - Jan. 1	Winter Break, Enrollment Services not available

Graduation deadline

Last day to apply for:

August 2018 graduation Aug. 15

December 2018 graduation Dec. 15

Academic Dates

First day to enroll April 16

Summer 2018 "I" grades to F Sept. 18

15-week

First day Aug. 27

Last day to add Aug. 31

Last day 100% refund Aug. 31

Last day 50% refund Sept. 10

Last day to withdraw, no refund Nov. 7

Last day of classes Dec. 14

Grades due (10 a.m.) Dec. 18

1st 8-week

First day Aug. 27

Last day to add Aug. 29

Last day 100% refund Aug. 31

Last day 50% refund Sept. 10

Last day to withdraw, no refund Oct. 4

Last day of classes Oct. 22

Grades due (10 a.m.) Oct. 25

1st 7-week

First day Aug. 27

Last day to add Aug. 29

Last day 100% refund Aug. 31

Last day 50% refund Sept. 10

Last day to withdraw, no refund Sept. 29

Last day of classes Oct. 15

Grades due (10 a.m.) Oct. 18

1st 5-week

First day Aug. 27

Last day to add Aug. 28

Last day 100% refund Aug. 31

Last day 50% refund Sept. 10

Last day to withdraw, no refund Sept. 29

Last day of classes Oct. 1

Grades due (10 a.m.) Oct. 4

14-week • Saturday

First day Sept. 8

Last day to add Sept. 14

Last day 100% refund Sept. 14

Last day 50% refund Sept. 19

Last day to withdraw, no refund Nov. 13

Last day of classes Dec. 15

Grades due (10 a.m.) Dec. 18

1st 7-week • Saturday

First day Sept. 8

Last day to add Sept. 11

Last day 100% refund Sept. 14

Last day 50% refund Sept. 20

Last day to withdraw, no refund Oct. 10

Last day of classes Oct. 26

Grades due (10 a.m.) Oct. 30

13-week

First day Sept. 11

Last day to add Sept. 15

Last day 100% refund Sept. 15

Last day 50% refund Sept. 21

Last day to withdraw, no refund Nov. 10

Last day of classes Dec. 15

Grades due (10 a.m.) Dec. 18

2nd 5-week

First day Oct. 2

Last day to add Oct. 3

Last day 100% refund Oct. 6

Last day 50% refund Oct. 12

Last day to withdraw, no refund Oct. 24

Last day of classes Nov. 5

Grades due (10 a.m.) Nov. 8

2nd 7-week

First day Oct. 23

Last day to add Oct. 25

Last day 100% refund Oct. 27

Last day 50% refund Nov. 2

Last day to withdraw, no refund Nov. 29

Last day of classes Dec. 15

Grades due (10 a.m.) Dec. 18

2nd 8-week

First day Oct. 16

Last day to add Oct. 18

Last day 100% refund Oct. 20

Last day 50% refund Oct. 26

Last day to withdraw, no refund Nov. 27

Last day of classes Dec. 15

Grades due (10 a.m.) Dec. 18

2nd 7-week • Saturday

First day Oct. 27

Last day to add Oct. 30

Last day 100% refund Nov. 1

Last day 50% refund Nov. 8

Last day to withdraw, no refund Dec. 5

Last day of classes Dec. 15

Grades due (10 a.m.) Dec. 18

3rd 5-week

First day Nov. 7

Last day to add Nov. 8

Last day 100% refund Nov. 12

Last day 50% refund Nov. 17

Last day to withdraw, no refund Dec. 4

Last day of classes Dec. 15

Grades due (10 a.m.) Dec. 18

1st 10-week

First day Aug. 27

Last day to add Aug. 30

Last day 100% refund Aug. 31

Last day 50% refund Sept. 10

Last day to withdraw, no refund Oct. 13

Last day of classes Nov. 5

Grades due (10 a.m.) Nov. 8

2nd 10-week

First day Oct. 2

Last day to add Oct. 5

Last day 100% refund Oct. 6

Last day 50% refund Oct. 12

Last day to withdraw, no refund Nov. 17

Last day of classes Dec. 15

Grades due (10 a.m.) Dec. 18

Students will need to contact the Distributed Learning Office for permission to register in an online section after the second day of classes.

Tuition & Fees

Our College is dedicated to providing quality education, superior resources, and affordable tuition. FCC tuition and fees for a full-time (12 credit) in-county student amount to approximately \$3,600 per year for 2018. By comparison, the College Board reports the national average for tuition and fees exceeds \$9,139 at public four-year colleges and averages \$31,231 at private schools. With high academic standards and affordable tuition rates, FCC is a wise choice for higher education.

Fall 2018 Tuition & Fees Chart *

Credits	In-County	Out-of-County	Out-of-State
1	\$149.64	\$293.64	\$388.64
2	\$299.28	\$587.28	\$777.28
3	\$448.92	\$880.92	\$1,165.92
4	\$598.56	\$1,174.56	\$1,554.56
5	\$748.20	\$1,468.20	\$1,943.20
6	\$897.84	\$1,761.84	\$2,331.84
7	\$1,047.48	\$2,055.48	\$2,720.48
8	\$1,197.12	\$2,349.12	\$3,109.12
9	\$1,346.76	\$2,642.76	\$3,497.76
10	\$1,496.40	\$2,936.40	\$3,886.40
11	\$1,646.04	\$3,229.40	\$4,275.04
12	\$1,795.68	\$3,522.72	\$4,664.16
13	\$1,945.32	\$3,816.08	\$5,053.28
14	\$2,094.96	\$4,109.44	\$5,442.40
15	\$2,244.60	\$4,402.80	\$5,831.52
16	\$2,394.24	\$4,696.16	\$6,220.64

*Tuition and fees rates are subject to change.

Tuition and fees*

In-County per credit hour.....	\$122
Out-of-County per credit hour.....	\$266
Out-of-State per credit hour.....	\$361

Consolidated Service Fee (\$24.40):

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

Student Activity Fee (\$3.24): The Student Activity Fee is a fee charged to all credit students each academic term. The revenue generated goes into a special account administered by the Student Government Association to fund social, recreational, and cultural events, campus clubs and student organizations, authorized student travel and service trips, and annual signature student events such as New Student Convocation, Success Week, Welcome Week, and Wellness Events. The fee is charged on a credit hour basis for up to a maximum of 10 credit hours.

Fees**

Credit by Portfolio
(per credit hour)..... 50% of tuition
Credit by Departmental Exam
(per credit hour)..... 50% of tuition
Applied Music fee (per class)..... \$490
Building Trades.....\$71.40
Culinary Arts (per class)..... \$121
Please refer to the specific HOS course. Some courses require a chef uniform and basic knife or pastry set.
FEMA Fee (per credit hour).....\$88
Module Fee (per module)..... \$100
Welding.....\$100

Physical Education Fees
Please refer to the specific PE course for fees that may be payable to the site where the class meets.

Surgical Technology Fees
Please refer to the specific ST course for fees that may be required.

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

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



Payment Due Dates:

If registered by Monday, July 30, 6 p.m.

How to avoid the Drop Zone: Students must have paid in full, have enough anticipated financial aid posted to their PeopleSoft account, or be enrolled in a payment plan.

If registered by Monday, August 13, 6 p.m.

How to avoid the Drop Zone: Students must have paid in full, have enough anticipated financial aid posted to their PeopleSoft account, or be enrolled in a payment plan.

If registered by Friday, August 24, 4 p.m.

How to avoid the Drop Zone: Students must have paid in full, have enough anticipated financial aid posted to their PeopleSoft account, or be enrolled in a payment plan.

For additional information, contact the Student Accounts Office at 301.846.2456 or email questions to studentaccounts@frederick.edu.

Automatic Payment Plan

FCC provides a payment plan for the semester which allows you to divide your total costs into **automatic monthly payments**.

- Sign up early at <http://myFCC.frederick.edu> – log into Peoplesoft, click the link under finance from the student center page.
- Payments are **automatically withdrawn** from your checking/savings account or major credit card on the 5th day of each month that payment is due.
- Enrollment fee is only \$25; No interest charges
- If you sign up for a payment plan, you are entering into a contract for all tuition and fees.

Target Dates To Enroll

Last day to enroll online	Required down payment	Number of remaining payments*	Months of payments
June 5	20%	5	July–Nov
July 5	25%	4	Aug–Nov
Aug 5	30%	3	Sept–Nov
Sept 5	30%	2	Oct–Nov
Oct 5	40%	2	Nov–Dec
Nov 5	50%	1	Dec

For additional information, contact the Student Accounts office at 301.846.2456 or email questions to studentaccounts@frederick.edu.

If you are a financial aid student, see the payment plan information on page 10.

Don't throw this away!

FCC issues refunds electronically!

Frederick Community College has partnered with BankMobile to provide you with an electronic way to receive your FCC refunds faster. This is the way you will receive academic refunds.

BankMobile will mail students a pin number to activate and choose a refund preference. Pin information will be mailed on the first day of classes to the address on file with Frederick Community College.

We recommend students immediately log onto www.refundselection.com to activate the refund preference. Even if you are not currently anticipating a refund from FCC, you may have one in the future, so it is critical that you activate your refund preference as soon as your pin number information arrives.

BankMobile provides options for refund delivery. Simply select the refund preference that is best for you. Your refund options include:

- ACH Transfer to another bank account (refunds available 2-3 business days).
- Easy Refund to the myFCC eFunds debit card (refunds available the same day FCC releases the funds to BankMobile).

For more information: www.refundselection.com

How to Apply & Register

Please monitor your myFCC email for updates from the College.

New Students

Please follow the steps below and call 301.846.2400 if you have questions.

1) Apply to the College

- Go to **frederick.edu** to apply online.
- Click **Apply & Register**.
- Click **Apply Now**.
- You will receive your Welcome Packet and New Student ID number in the mail. You also have the option of coming to campus and receiving your ID number at the time you apply.

Or

- Download the application from the FCC website (frederick.edu). You can then bring the application to campus or mail the completed application to:
Admissions
Frederick Community College
7932 Opossumtown Pike
Frederick, MD 21702

2) Prepare for registration

To comply with the Maryland College and Career Readiness Act of 2013, the College requires that all degree-seeking students complete a college credit-bearing math and college credit-bearing English course prior to the completion of 24 college credits.

3) Meet with an advisor

An advisor can help you select your courses and discuss your academic and career goals. Contact Counseling & Advising, 301.846.2471.

- Students who are advised by Multicultural Student Services (301.846.2531), Veteran Services (301.624.2836), Office of Adult Services (301.846.2483), or Services for Students with Disabilities (301.846.2408) should make an appointment with their program advisor.

4) Required Orientation, Advising, & Registration (ROAR)

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

Three steps to ROAR:

- An online orientation featuring videos with current FCC students telling you exactly what you need to know about attending college

- An on-campus meeting with an Academic Advisor to help you develop your academic and career plan
- A registration lab where you'll learn how to enroll yourself into classes

For more information about ROAR, please visit <http://www.frederick.edu/credit-admissions/new-student-orientation.aspx>.

5) Register for Classes After meeting with an academic advisor and selecting your courses, you can register for classes.

6) Pay for classes

Students may not attend a class if they have not registered for that class and made payment arrangements.

Academic Assessment and Placement Policy and Procedures

I. Philosophy and Scope

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

II. Definitions for the Purpose of this Policy and Procedures

- A. **"Certificate-Seeking"** refers to a category of individuals who have declared an intent to follow a sequence of specific credit courses resulting in a formal award of completion of up to 36 credits.
- B. **"Courses of Interest"** refers to a category of individuals who seek to take courses listed as credit in the FCC Academic Catalog for personal knowledge or professional development as opposed to the fulfillment of FCC program requirements.
- C. **"Degree-Seeking"** refers to a category of individuals who have declared an intent to follow a prescribed curriculum in a career or transfer program that leads to an associate degree, which is generally sixty (60) credits, unless otherwise specified.

D. **"Developmental Courses"** are courses that prepare students for college-level coursework in reading, writing, English as a Second Language (ESL), and math. Developmental education includes multiple course sequences with students progressing as skills are developed. Students are assigned to developmental courses based on their placement test scores.

E. **"Enrollment"** is the status achieved when an individual has registered for classes and has either paid or made arrangements for payment of tuition and/or fees.

F. **"Full-time Enrollment"** refers to a student enrolled in twelve (12) or more credits during the fall or spring semesters, or in a total of twelve (12) credit hours cumulatively for the summer session.

G. **"Readmitted Students"** refers to individuals who have attended FCC but not within the past two years.

H. **"Transfer student"** refers to an individual who has attended another institution of higher learning after high school graduation or equivalency, and who seeks to receive credit for prior coursework completed at previous institutions.

III. Placement Testing Requirements

- A. After applying to the College, placement tests are required for:
1. Individuals who are first-time college students who are seeking a degree or certificate whether they enroll full-time or part-time.
 2. Individuals planning to take their first English or mathematics course.
 3. Currently enrolled students seeking a degree/certificate, whether enrolled fulltime or part-time, who have not been tested in the past or whose placement scores and/or exemptions have expired.
 4. Transfer or readmitted individuals who have not completed a college-level math and/or English course.
 5. Individuals who are designated as Courses of Interest students and wish to enroll in courses with prerequisites of reading, writing, ESL, or mathematics.
 6. Individuals who change their designation from Courses of Interest to certificate or degree-seeking.

B. Upon completion of all required placement tests, individuals are required to consult with an advisor to develop a degree or certificate plan for completion, including course selection. Individuals will choose courses based on their placement scores and their individual career and college goals.

C. Placement tests are not required for individuals as noted under Section VI "Exceptions and Exemptions to Required Placement Testing."

IV. Placement Guidelines

A. Unless otherwise indicated, placement scores are determined using Accuplacer academic assessments.

B. Placement scores will be valid for two years after the date of taking the placement tests.

C. Minimum placements scores, also known as cut scores, have been determined for college-readiness in reading, writing, and mathematics.

D. Non-native English speakers and some world English speakers will take the Level of English Proficiency (LOEP) test to determine reading and writing placement scores.

E. Individuals with documented disabilities as verified by the Services for Students with Disabilities Office will receive reasonable accommodations while completing the required placement tests.

F. Unless outlined in the exemptions and exceptions, high school grades alone do not determine placement.

G. Individuals are permitted to retest only one time per assessment, no sooner than twenty-four (24) hours after the initial test.

H. Students who are continuously enrolled will not be permitted to retest once enrolled in their developmental course requirements.

I. Readmitted students must either retest or complete the developmental requirements as stipulated in the academic catalog.

J. Individuals who demonstrate college-readiness as stipulated in the exemptions and exceptions section of this policy and procedure will be eligible to enroll in the appropriate credit-level courses according to their specific college-readiness scores.

V. Prerequisites

The FCC Academic Catalog designates courses with prerequisites and/or corequisites. Prerequisites are expectations that must be completed before enrollment in a course is allowed. Corequisites are courses that can be taken concurrently.

VI. Exceptions and Exemptions to Required Placement Testing

A. Individuals who transfer from accredited institutions of higher education who present unofficial transcripts indicating successful completion (2.00 GPA or higher) of the equivalent of at least twelve (12) college credits will be exempted from the reading placement test if six (6) credits are general education courses.

B. Individuals will be exempted from the reading and writing placement tests if they provide evidence of successfully completing:

1. The equivalent of FCC course EN101 at an accredited U.S. institution or credit through DSST or CLEP.
2. The Advanced Placement (AP) test with a score of 3 or higher in English Language and Composition or English Literature and Composition. AP test scores are valid for five years.
3. The International Baccalaureate (IB) exams with a grade of four (4) or above in one or more of the following exams: Language A Literature SL or HL, and/or Language A: Language & Literature SL or HL. IB test scores are valid for five years.
4. English 10 or 11 PARCC score of Level 4 or 5. This score is valid for one year after an individual's date of high school graduation.
5. The GED English Reasoning Through Language Arts test with a score of 165 or higher. GED scores are valid for one year.

C. Individuals will be exempted from the math placement tests if they provide evidence of successfully completing:

1. A general education math course, at the level of college algebra or higher, at an accredited U.S. institution or credit through DSST or CLEP.
2. The Advanced Placement (AP) test with a score of 3 or higher in Calculus AB, Calculus BC, or Statistics. AP test scores are valid for five years.
3. The International Baccalaureate (IB) exams with a grade of 4 or above on one or more of the following exams: Mathematical Studies, Mathematics SL or HL and/or Further Math. IB test scores are valid for 5 years.
4. Algebra II PARCC score of Level 4 or 5. This score is valid for one year after an individual's date of high school graduation.
5. The GED Mathematical Reasoning test with a score of 165 or higher. GED scores are valid for one year.

D. Individuals from Frederick County Public School (FCPS) who successfully completed the following math courses are exempt from taking the math placement tests. This exemption is valid for one year after the individual's date of graduation from high school.

1. Algebra II with an A or B during their junior or senior year are eligible to enroll in an appropriate college-level, credit-bearing math course.
2. Intermediate Transitional Algebra with an A or B and earn the designated score on an FCC-approved college-readiness exam are eligible to enroll in a college-level, non-STEM, credit-bearing math course.
3. Pre-Calculus or higher level math course with an A, B, or C are eligible to enroll in the equivalent college-level credit bearing course.
4. Designated transition math modules and earn the designated score on an FCC-approved college-readiness exam are eligible to enroll in a collegelevel, non-STEM, credit-bearing math course.

E. Individuals from Frederick County Public School (FCPS) who successfully completed English 12 with a reading comprehension Lexile score of 1050 or higher on the **HMH Reading Inventory**, 80% or better on **Vocabulary in Context** assessments, and 80% or better on the **Performance Product Portfolio**; and earn a final grade of A or B will be exempted from the reading and writing placement tests. They will be deemed college-ready in reading and writing and will be eligible to enroll in English 101. This exemption is valid for one year after the individual's date of graduation from high school.

F. Individuals who have provided a copy of their SAT/ACT scores that meet the exemption criteria set by Maryland Community College placement guidelines will be exempted from individual placement tests. SAT and ACT scores are valid for five years.

1. Individuals with an SAT Mathematics score of 530 or above are exempted from math placement testing.
2. Individuals with an ACT Mathematics score of 21 or above are exempted from math placement testing.
3. Individuals with an SAT Evidence-based Reading & Writing score of 480 or a Critical Reading score of 500 or above are exempted from reading and writing placement testing.
4. Individuals with an ACT reading score of 21 or greater average on the English Test & Reading Test scores are exempt from the reading and writing placement testing.

G. Individuals who provide an official copy of the TOEFL (Test of English as a Foreign Language) score transcript and who score a 575 or higher on the paperbased test, a 233 or higher on the computer-based test, or a score of 90 or higher on the internet-based test are exempted from the reading, writing, and ESL placement tests. TOEFL scores are valid for two years.

H. Individuals who provide a copy of their official Accuplacer or alternative placement test score(s), and meet the placement criteria that exempts them from developmental reading, writing and/or mathematics will also be exempt from the corresponding FCC placement tests. These scores are valid for two years. The Associate Vice President for the Center for Teaching and Learning or his/her designee will evaluate the scores and assign course placement(s) based on FCC standards.

I. Individuals who have provided an unofficial transcript indicating satisfactory completion (at a C or better) of the highest-level developmental course work in reading, writing, or mathematics at another Maryland community college or accredited Maryland four-year college/university are exempted from corresponding placement tests. Reading and writing placement exemptions do not apply to ESL course work.

J. Visiting students from other institutions who present a "Permission to Enroll" form will have prerequisites waived for the courses certified by the sending institutions. No placement exemption will be entered.

K. Individuals who have provided an official transcript indicating they have been awarded an associate, bachelor's, or higher degree from an accredited U.S. institution will be exempted from placement testing.

L. Students who have successfully completed an FCC-approved academic intervention will be permitted one additional retest for a total of 3 test attempts.

M. Individuals who are otherwise exempted by the Associate Vice President for the Center for Teaching and Learning or his/her designee.

N. Individuals enrolled in Frederick County Public Schools or another school with a dual enrollment agreement with the College who wish to participate in dual enrollment or open campus may take the placement tests twice. Within six months of graduation from their K-12 institution, individuals may be granted the opportunity to retake the placement test a third time, with an unofficial transcript or report card indicating successful completion of grade 12 English and/or math, and their placement testing records can be verified by the Testing Center.

The official version of the College Academic Assessment and Placement Policy and Procedures is on its website (frederick.edu) and may be revised annually.

Readmit Students

If you've attended FCC before, but not since the Spring 2016 semester, complete the admissions application and select "Readmit" under Classification. You may have to submit proof of residency. You will follow the requirements of the current catalog year.

Current Students

1) Meet with your advisor to talk about your course selection and to discuss your academic and career goals.

- Students who are advised by Multicultural Student Services (301.846.2531), Veteran Services (301.624.2836), Office of Adult Services (301.846.2483), or Services for Students with Disabilities (301.846.2408) should make an appointment with their program advisor.

- Students with declared majors (such as business, education, criminal justice, etc.) should meet with their faculty advisor. Faculty advisors' names and contact information can be found on page 13 and on the Counseling & Advising Web page at <http://www.frederick.edu/student-resources/counseling-advising/advisor-list.aspx>.

- General studies, undecided, and nursing (pre-clinical) students should meet with an advisor from Counseling & Advising. During registration, Counseling & Advising offers same day walk-in advising service – no appointment necessary!

- Students on academic alert or academic probation must meet with an advisor from Counseling & Advising, Multicultural Services, Adult Services, Veteran Services, or Services for Students with Disabilities prior to registering for classes.

- Students returning to FCC from academic suspension must meet with an advisor in Counseling & Advising prior to registering for classes. Call 301.846.2471 to schedule an appointment. Students returning from academic dismissal must meet with the AVP, Dean of Students. Call 301.846.2469 to schedule an appointment.

Prior to meeting with your advisor, access your **My Degree Plan**. See Student Services Online, third column. Courses still needed are indicated as "Requirement Not Satisfied." Developmental English and mathematics requirements will not appear, but, if needed, you should include them in your schedule and plan to take them first.

2) Register for Classes

On the web or in person

- Web registration—Go to <http://myFCC.frederick.edu>. Click on **PeopleSoft/Student Information System** in the blue navigation bar, then follow the online instructions.

Or

- Register in person—Bring your registration form to the Welcome Center.
- If you're on academic alert or probation, you must have your form approved by an advisor in Counseling & Advising before you register.
- If you plan to take more than 18 credits during the semester, you will need a signature from Counseling & Advising.

3) Review your schedule

- Check classroom locations (Some courses are held off site).
- Check course start and end dates (Some courses do not begin at the start of the semester).
- Check to see if you have registered for a linked class. If so, make sure you are registered for both components.
- Print your schedule to be sure you have completed the process correctly.
- If you have registered for an online class, see page 56 for more information about online classes at FCC.

Students may not attend a class if they have not registered for that class and made payment arrangements.

Dual Enrollment of High School Aged Students

High school students are subject to the same assessment and placement policies and procedures as other students. Students must adhere to FCPS guidelines and complete appropriate paperwork. High school students earn transcribed college credit upon successful course completion. In some cases, students may earn both high school and college credit for a college course that meets the curriculum requirements of the approved high school course.

Open Campus

Frederick County Public School Students:

Students sixteen years of age or older may enroll in college courses while concurrently enrolled in high school. FCPS students pay 75% tuition plus fees. Tuition is waived for FCPS students who are eligible for free and reduced meals.

Homeschool/Private School Students:

Homeschool and private school students are subject to the same assessment and placement policies and procedures as other students. FCC offers a reduced tuition rate for homeschool and private school students in Frederick county. Students pay 75% of tuition plus fees. Proof will be required. For questions, call 301.846.2456.

High School Based

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

Visiting Students

Take a class at FCC to transfer back to your four-year college/university. It's less expensive and will move you closer to your degree at your native institution. Follow the simple steps below:

1. First-time students and former students who have not attended FCC in two years: apply at frederick.edu. Your admission letter and ID number will be mailed to your permanent address. You must have this ID number to register online.
2. Obtain a permission to enroll form* from the Registrar's Office at your home college, or a copy of your transcript that shows proof of having met FCC prerequisites.
3. You can then register in one of four ways:
 - a. Send an email to registration@frederick.edu. Include your FCC ID number and PDF copies of your permission to enroll form* or transcript. Permission will be entered into the Student Information System to allow web registration.
 - b. Register online using our PeopleSoft system if the required prerequisite has been evaluated by FCC and stored in the system.
 - c. Register in person with your permission to enroll form* or your unofficial transcript showing you have met the prerequisite.
 - d. Mail your permission to enroll form* to Welcome Center, Frederick Community College, 7932 Opossumtown Pike, Frederick MD 21702. Include an email address where you can be contacted. Permission will be entered into the Student Information System to allow web registration.

For more information, visit <http://www.frederick.edu/enroll-now/visiting-students.aspx>.

Students may not attend a class if they have not registered for that class and made payment arrangements.

** Colleges and universities may use different terminology for this document. Inquire with your school about necessary transfer forms.*

Student Services Available Online

Use your online PeopleSoft Student account to Activate your myFCC email account

- Register and adjust classes (drop/add)
- View degree requirements; plan your courses
- View and print your class schedules and grades
- View your financial aid information
- Sign up for the payment plan
- Print unofficial transcripts and request official transcripts
- View transfer credit
- Make a payment
- View your grades

To Log in go to <http://myFCC.frederick.edu>

- Click on **PeopleSoft** in the green navigation bar
- User ID is a capital W and your 7 digit student ID number
- Enter your password, or select 'reset password' if you've never logged in before, or if you have forgotten your password
- This log-in is **case sensitive**

To find courses needed in your Degree Plan:

From **Student Center**, under **Academics**, click on **My Academics**

- Click on View My Degree Plan link
- Read pop-up message; click OK to confirm you've read it
- Click on expand all (blue button) to open all sections
- Read information sections at the top of your Degree Plan
- Scroll down to find courses needed in your major listed in separate sections (English, Math, Social & Behavioral Sciences, Arts, Humanities, Communications, etc.)
- Click on course name for description of course and prerequisite info

To enroll in courses from your Degree Plan:

- Click **view class sections** and scroll down to see available class times (you may need to click "view all" to see all the sections you can choose from)
- Find the section you want; click **Select** to choose it
- Review class information for day/time/location
- Click **next** to add class to your shopping cart
- A green box appears at the top of the page confirming the class was added to cart
- Click the link **Return to My Degree Plan** to go back to Degree Plan to look up next course and repeat steps
- When all courses are in shopping cart, scroll to top of page, click blue **Enroll** tab
- Review shopping cart for accuracy; click **Proceed to Step 2 of 3**
- Read payment info, then click **OK** to continue
- Click **Finish Enrolling**

- Click **my class schedule** to verify schedule

To enroll in a class using the Class Number from the Credit Schedule (ex., 1009):

- Self Service > Student Center
- Under Academics heading, click on **Enroll**
- Select semester if option appears; click **Continue**
- Enter **Class Number** (4-digit for fall/spring, 3-digit for summer/JanTerm); click **Enter**
- Review course info; if correct click **Next**
- You can add more classes or click **Proceed to Step 2 of 3**
- Review schedule, then click **Finish Enrolling** to complete the registration process
- Print a copy for your record

Making Changes

Schedule changes/withdrawals: You can drop/add on the Web. You can also make changes in person at the Welcome Center.

To drop a credit course/adjust your schedule:

- From **Student Center**, under **Academics**, click on **Enroll**
- Click **drop** from the menu under the Enroll tab
- Select semester (term) if option appears; click **Continue**
- Click the box in front of the class you wish to drop
- Click **drop selected classes**
- Confirm course to be dropped is correct
- Click **Finish Dropping**
- Click on **My Class Schedule** (top of page) to verify schedule changes
- Add a class, if needed, using directions above

Name/Address/Academic Plan changes: Any changes to name, address, or academic plan must be done in person at the Welcome Center using the appropriate form.

Canceled courses: FCC reserves the right to cancel courses due to insufficient enrollment. You will be notified via your MyFCC email account by the academic department if your class is canceled. You will receive a full refund.

Residency

I. Philosophy and Purpose

The determination of residency or domicile for tuition purposes is governed by the Frederick Community College Board of Trustees in accordance with Maryland State law. For the purpose of establishing differential tuition, the following procedure applies to both full and part-time students.

A student's legal residence is determined at the time he/she applies to the College. The burden of proof of residency is to be upon the student, and he/she will be required to certify by signature to the accuracy of the information provided on the College application.

Students will be considered in-county, out-of-county, or out-of-state for tuition calculation. Students whose legal residence is outside the county or the State of Maryland pay a higher tuition rate than those whose legal residence is within the county, unless they are eligible for a waiver or reduction in tuition. (See related Tuition and Fees Policy and Procedures.)

II. Definitions for the Purpose of this Policy and Procedures

A. **"Domicile"** means the permanent place of abode, where physical presence and possessions are maintained with the intention of remaining indefinitely; or the permanent place of abode of any person or persons contributing more than ½ of the student's financial support during the most recently completed year. Only one domicile may be maintained by a student.

B. **"Maryland resident"** means an individual who has maintained a domicile in Maryland for at least three (3) months before becoming an enrolled student.

C. **"Enrolled student"** means an individual who is registered at the College, either full or part-time, in a credit or continuing education class or classes who has either paid or made arrangement for payment of tuition and/or fees, and whose participation in a class has been verified.

D. In-County:

1. **"Non-dependent Maryland resident students"** are considered to be in-county residents if, at the time of their application, they are domiciled in Frederick County for three (3) consecutive months prior to application.

2. **"Dependent Maryland resident students"** are defined as an unmarried individual claimed by parent(s) or guardian(s) as an income tax exemption in the previous taxable year and are considered to be "in-county" residents if, at the time of their application, their parent(s) or guardian(s) are domiciled in Frederick County for three (3) consecutive months prior to application.

E. Out-of-County:

1. **"Non-dependent Maryland resident students"** are considered to be out-of-county residents in the State of Maryland if, at the time of their application, they are domiciled in another county in the State of Maryland, or if they have lived in Frederick County less than three months.
2. **"Dependent Maryland resident students"** are considered to be out-of-county residents in the State of Maryland if, at the time of their application, their parent(s) or guardian(s) are domiciled in another county in the State of Maryland, or if they have lived in Frederick County less than three months.

F. Out-of-State:

1. **"Non-dependent students"** are considered to be residents of another state if, at the time of their application, they are domiciled outside of the State of Maryland, or if they have lived in Frederick County less than three months.
2. **"Dependent students"** are considered to be residents of another state if, at the time of their application, their parent(s) or guardian(s) are domiciled outside of the State of Maryland, or if they have lived in Frederick County less than three months.

III. Military Personnel, Veterans, and their Dependents

A. Military Personnel and their Dependents

1. Who are stationed, living, or domiciled in Maryland, and their spouses and dependents, who are entering the College for the first time, are considered residents of Frederick County. If the armed services member moves out of the state, the dependents and spouse may maintain in-county residence as long as they stay continuously enrolled in courses at the College.

2. Who have relocated to Maryland as a result of the Base Realignment and Closure process (BRAC), will be granted a waiver of the three (3) months residency requirement. The employee or his/her dependent must present a letter from an employer on company letterhead, confirming that their relocation to Maryland and/or Frederick County was a result of the BRAC process. For purposes of tuition rates, eligible employees and dependents will be treated as in-county residents if they locate in Frederick County; they will be treated as out-of-county but in-state residents if they locate outside of Frederick County but within Maryland.

B. Veterans and their Dependents

1. Veterans and their dependents using the Post-9/11 G.I. Bill, Montgomery G.I. Bill or the Marine Gunnery Sergeant John David Fry Scholarship shall be charged a rate of tuition not to exceed the in-state rate for tuition and fees purposes.
 - a. A Veteran using educational assistance under either Chapter 30 (Montgomery G.I. Bill – Active Duty Program) or Chapter 33 (Post-9/11 G.I. Bill), of title 38, United States Code, and enrolls in the College within three years of discharge or release from a period of active duty service of 90 days or more will be granted in-county tuition (regardless of his/her formal State of residence).
 - b. A dependent using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) and enrolls in the College within three of the transferor's discharge or release from a period of active duty service of 90 days or more will be granted in-county tuition (regardless of his/her formal State of residence).
 - c. Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the College. The person so described must have enrolled in the College prior to the expiration of the three year period following discharge or release as described above and must be using educational benefits under either Chapter 30 or Chapter 33, of title 38, United States Code.
 - d. A dependent using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311 (b)(9)) will be granted in-county tuition (regardless of his/her formal State of residence).

e. A dependent using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) while the transferor is a member of the uniformed service who is serving on active duty will be granted in-county tuition (regardless of his/her formal State of residence).

2. Veterans and their dependents (not using Chapter 30 or Chapter 33 benefits or the Marine Gunnery Sergeant John David Fry Scholarship) who are stationed, living, or domiciled in Maryland who are entering the College for the first time, are considered residents of Frederick County. If the veteran moves out of the state, the dependents and spouse may maintain in-county residence as long as they stay continuously enrolled in courses at the College.

IV. International and Foreign National Students

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

B. The following visa status types determine residency as indicated:

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

C. Individuals in "B Temporary Visitor Status" are not allowed to engage in a course of study leading to a degree or academic certificate. In certain cases, B visa holders can participate in courses which are recreational and do not lead to a degree. Out-of-state tuition rates will apply.

D. Students who are in the category of "Deferred Action Childhood Arrivals" (DACA), or "Temporary Protected Status" (TPS) are eligible to establish in-state/ in-county residency for tuition purposes.

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

F. An individual's immigration status may not preclude award of MD residency under this policy if the individual has the legal capacity to establish domicile in Maryland.

V. Dream Act

A. Students who have met the eligibility requirements outlined in the Maryland Dream Act will be granted the opportunity to receive in-county tuition. The student must present an affidavit to the Admissions Office stating that he/she will file an application to become a permanent resident within 30 days of becoming eligible to do so.

B. Students who live in Frederick County or in Maryland, and qualify for in-county or in-state tuition, as outlined by the Maryland Dream Act, will remain undocumented immigrants. U.S. residency status is processed, determined and completed by the U.S. government.

VI. Proof of Residency

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

A. Substantially uninterrupted physical presence, including the months when the student is not in attendance at the college, as evidenced by ownership or rental of living quarters in which the student resides. (12-month lease or mortgage)

B. Payment of Maryland state and local income taxes. (MD 502 Tax Form)

C. Registration to vote in Frederick County and/or the state. (Voters Registration Card)

D. Registration of a motor vehicle in the state, with a local address specified, if the person owns such a vehicle. (Motor Vehicle Registration Card)

E. Possession of a valid Maryland driver's license, with a local address specified, if the person is licensed anywhere to drive a motor vehicle, or a valid Maryland MVA-issued ID. (Driver's license or MVA issued ID card)

F. Active duty military personnel, honorably discharged veterans, spouses and dependents who reside, are stationed, or domiciled in Maryland are exempt from the 3-month requirement and are considered in-county once proof is shown. (Military orders, letter from Education Officer, DD214 and any of the residency factors listed above).

VII. Reclassification of Residency

- A. Students requesting reduced tuition rate based on a change in residency must submit proof of actual address change as defined in Section V to the Admissions Office and complete the "Change of Address" form available either online at frederick.edu or in the Admissions Office in Jefferson Hall, Suite 101. The proof of residency and "Change of Address" form must be submitted in one of the following ways:
1. in-person to the Admissions Office in Jefferson Hall, Room 101,
 2. online through personal "myFCC" email account to admissions@frederick.edu
 3. by fax (240-629-7896), or
 4. via U.S. postal mail.
- B. Request for change in residency classification must be submitted prior to the "last day to add" for the first session for which the student is enrolled in order to be changed for that session. Residency is not retroactive. A student who changes his/her residency during a semester and provides proof after the "last day to add" will have their residency adjusted for the following semester.
- C. In order to comply with USPS regulations regarding bulk and pre-sort mailings, the College verifies current addresses of students with the National Change of Address (NCOA) listing every 90 days. If there has been a change of address, the student will be notified by email and tuition will be adjusted for the following semester as follows:
1. A student moving to a higher tuition rate based on their residency will have their residency automatically changed to reflect their new residency status.
 2. A student moving to a lower tuition rate based on their residency will bear the burden of proof of the new residency status..

The College's official version of the Residency Policy & Procedures is on its website (frederick.edu) and may be revised annually.

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

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

Veterans Educational Benefits

Frederick Community College is approved by the Maryland Higher Education Commission to train eligible veterans, dependents, and active duty personnel. If you are not sure what type of VA benefits you qualify for, you may contact the VA Regional Office's toll-free number 1-888.442.4551 or visit the VA website at www.gibill.va.gov. To learn more about the FCC services available to veterans and their families, please visit www.frederick.edu/veterans. This website includes links for more comprehensive information.

FCC contact for GI Bill use: Rachel Nachlas, Director of Veteran Services and VA Certifying Official, rnachlas@frederick.edu.

For tuition assistance, National Guard waiver, or MyCAA use, please contact the Student Accounts Office.

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FCC contact for GI Bill use: Rachel Nachlas, Director of Veteran Services and VA Certifying Official, rnachlas@frederick.edu.

For tuition assistance, National Guard waiver, or MyCAA use, please contact the Student Accounts Office.

Student Refunds

Eligibility for a tuition refund is based on the date of your withdrawal. See the **Academic Sessions** on page 1 for those dates. The student refund process begins after the second week of classes. Students who pay with a credit card will be refunded directly back to the card if 60 days from the original transaction date. Greater than 60 days and all other academic refunds, including financial aid and scholarship refunds, will be refunded through BankMobile based on which refund preference a student chooses. Please visit refundselection.com to ensure your BankMobile refund preference is activated. For more information, please contact the Student Accounts Office at 301.846.2456 or BankMobile at 1.877.405.1856. Additional information regarding tuition refund appeals is shown in the Tuition and Fees Policy and Procedures.

Senior Citizen Tuition Benefit Policy

Students age 60 and older who are Maryland residents may take classes at FCC tuition-free if they register starting August 6 for fall. Students must pay fees. See the **Tuition & Fees** on page 2 for an explanation of fees. You can register before this date to reserve space, but you will have to pay full tuition and will not be eligible for the tuition-free benefit. There is no waiver of fees.

Disabled and Retired

Any resident of Maryland who is out of the workforce due to total and permanent disability who enrolls in a class that has at least ten regularly enrolled students is exempt from payment of tuition as defined in Section 16-106, Education Article, Annotated Code of Maryland.

An individual can take up to 12 credits per semester if enrolled in classes as part of a degree or certificate program designed to lead to employment. Individuals not enrolled in a degree or certificate program will be limited to six credits per semester.

In order to receive this waiver of tuition:

1. An individual must provide the College with certification of their total and permanent disability from the Social Security Administration, the Railroad Retirement Board, or in the case of a former federal employee, the Office of Personnel Management.
2. Individuals enrolled in a degree or certificate program must apply for any state or federal student financial aid. Payment for all course fees will be required in order to have classes held. Please refer to the payment chart listed within the Financial Aid section.
 - a. Any student financial aid, other than a student loan, received by the student shall be applied first to pay the individual's tuition.
 - b. The waiver shall apply to the difference, if any, between the charge for tuition and the financial aid award, not including a student loan that the individual receives.

Financial Aid

While FCC is affordable compared to other colleges, tuition, fees, books, and other college expenses can stretch anyone's budget. Our Financial Aid staff (301.846.2620) can help you consider all options and sources for funds including scholarships, grants, work-study opportunities, and different types of loans.

Students can only receive financial aid for courses that are required for the declared degree program. Students are encouraged to meet with an academic advisor to ensure they are enrolled in required course work.

Application Process

1. Complete the 2018–2019 Free Application for Federal Student Aid (FAFSA) online at www.fafsa.gov and list the school code in step 6 (002071). Deadline to apply is June 30, 2019.
2. Upon receipt of your FAFSA data, the Financial Aid Office will contact you regarding eligibility and/or to request additional documentation. Students who are selected for verification will be required to submit additional documentation such as IRS Tax Transcript.
3. Students who wish to pursue their student loan eligibility are required to complete additional steps. The link to the online loan request form is listed on the “to do” list in Peoplesoft for each student. The loan application process is also outlined at frederick.edu.

If you apply after the deadline and your file has not yet been processed, it is your responsibility to make payment arrangements.

Detailed information on all financial aid programs can be found at frederick.edu under the financial aid section.

Recommended deadlines for the fall 2018 semester:

A financial aid file is considered complete when all required documents have been received. Students will be able to view their financial aid awards in PeopleSoft. For students who have a complete file but have not yet been awarded by the payment due date there are payment plan options available, and based on your file, you may qualify for our deferred payment plan until classes begin.

If you register for classes between	FAFSA and all required documentation must be completed by	Payment due by
4/16–7/30, 6 p.m.	6/22	7/30, 6 p.m.
7/30–8/13, 6 p.m.	7/6	8/13, 6 p.m.
8/13–8/24	Must pay in full or enroll in payment plan	Prior to 8/24 or if enrolled after 8/18 by session start date.

Pending Financial Aid Payment Plan

This is an option for you if:

- FCC has received your 2018-2019 FAFSA and you have a valid EFC (Expected Family Contribution)
- You are enrolled in 6 or more credits
- You have submitted all required documents – Check out your “to do” list in Peoplesoft for what is still required
- If you are applying for a loan to cover your tuition and fees, you must complete the online loan request form and be enrolled in at least 6 credits to be eligible for the pending financial aid payment plan.

Note: Please allow 48-72 hours for FCC to receive your FAFSA after you complete at www.fafsa.gov

If award showing in PeopleSoft is greater than your tuition balance, no further action is needed.

If less, you must pay the difference in full or sign up for the pending financial aid payment plan by the due date to avoid the Drop Zone.

If you have an incomplete file, you must sign up for the regular payment plan by the due date to avoid the Drop Zone, pay in full, or submit the required documentation to the Financial Aid Office.

If you have a completed file but are waiting for the award, you must sign up for the pending financial aid payment plan by the due date or pay in full to avoid the Drop Zone. Log into PeopleSoft as you may qualify for the deferred pending aid payment plan.

If you sign up for the pending financial aid payment plan, you are responsible for charges not covered by financial aid.

Scholarships

FCC offers institutional scholarships. Students can apply using the online system which is located on the financial aid page at frederick.edu. The Academic Works system is open for applications:

- April 1–June 30 for fall 2018
- November 1–December 31 for spring 2019

Contact Michael Thornton, Scholarship Program Manager in the FCC Foundation Office, Annapolis Hall, 301.846.2438 to explore your options.

Services for Students with Disabilities

The College provides support services to maximize independence and encourage the integration of students with disabilities into all areas of college life. The particular needs of each student are considered on an individual basis. Students with disabilities are encouraged to contact the Services for Students with Disabilities Office as early as possible after applying for admission. Reasonable accommodations, based on documentation, are then offered to qualified students for courses and placement testing. Students in need of sign language interpreting services should contact the Coordinator for Deaf and Hard of Hearing Services a minimum of two weeks prior to the beginning of classes to ensure services are in place.

Contact Information:

Services for Students with Disabilities Office
301.846.2408; DisabilityServices@frederick.edu

Coordinator for Deaf & Hard of Hearing
Services 301.846.2476 (Voice), 240.575.1803
(VP) or via email at Interpreting@frederick.edu

Bookstore

The bookstore is located at the main entrance of the Student Center, Building H.

Bookstore Calendar

August 6 ... Financial Aid and textbook rentals available for fall semester

August 25 (Saturday) 10 a.m.–2 p.m.

November 6 Bookstore closed

November 21–23 Bookstore closed

December 11, 12, 13 Textbook buyback from 9 a.m. to 6 p.m.

December 17 & 18 Textbook buyback from 9 a.m. to 6 p.m.

December 21–January 1 Bookstore closed

Buying/Renting Books

Visit **bookstore.frederick.edu** to see what books and materials are needed for your courses. You may order books to be shipped to your address, or to be held for pick-up at the FCC Bookstore, which is located on the first floor of the Student Center.

Some course books are available to rent from the FCC Bookstore. Visit **bookstore.frederick.edu** for details.

Books cannot be rented through our website.

You cannot use financial aid to order books online. You must come to the Bookstore with your student ID to purchase or rent books with financial aid.

Students may be eligible for a Bookstore Payment Plan. Contact the Bookstore at 301.846.2463 or the Student Accounts Office at 301.846.2456 for details.

Family Educational Rights & Privacy Act of 1974 (FERPA)

FERPA, commonly known as the Buckley Amendment, was issued by the Department of Health, Education and Welfare in the 1976 Federal Register. The regulations were transferred to the Department of Education when it was established and codified in Part 99 of Title 34 of the Code of Federal Regulations.

The purpose of FERPA is to afford certain rights to students concerning their educational records. FERPA applies to all schools that receive funding under most programs administered by the Secretary of Education. Most postsecondary institutions, both public and private, generally receive such funding and must, therefore, comply with FERPA.

FERPA applies to all education records maintained by a postsecondary institution, or by any party acting for the institution, which are directly related to the student. These include, but are not limited to, assessment test scores, academic standing, rosters, class schedule, or any information that would make the student's identification easily traceable. FCC may release directory information, which includes student's name, dates of attendance, and enrollment status—see the FCC catalog for a complete list.

Students wishing to restrict directory information or grant additional access must come to the Welcome Center with a photo ID to fill out the required form. This form will remain in effect until a new form is filed rescinding the previous non-disclosure or disclosure. Please contact the Welcome Center for additional information.

Phone Directory

College Information/Welcome Center	301.846.2431
Admissions/International Admissions	301.624.2716
Adult Services	301.846.2483
Athletics	301.846.2500
Bess & Frank Gladhill Learning Commons	301.846.2444
Bookstore	301.846.2463
Carl & Norma Miller Children's Center	301.846.2612
Center for Student Engagement	301.624.2793
Center for Teaching & Learning/International Educational Opportunities	301.846.2521
Continuing Education & Workforce Development	301.624.2888
Counseling & Advising Services	301.846.2471
Distributed Learning	301.846.2401
Dual Enrollment/Open Campus	240.629.7886
FEMA Transcripts	301.624.2854
Financial Aid	301.846.2620
Internships	301.624.2724
Multicultural Student Services	301.846.2531
Prior Learning Assessment	301.846.2587
Registration & Records	301.846.2431
Scholarships	301.624.2851
Security	301.846.2453
Services for Students with Disabilities	301.846.2408
STEM Learning Center	240.629.7839
Student Accounts (Cashier's Office)	301.846.2456
Testing Center	301.846.2522
Transcripts (Incoming)	301.846.2595
Transcripts (Outgoing)	301.846.2653
Tutoring & Writing Center	301.846.2619
Veteran Services	301.624.2836

Program Contact List

Allied Health and Wellness

Office Manager (L-101A): Ann Geyer	301.846.2605
Health & Exercise Sciences: Jan Sholes	301.846.2503
Medical Assistant: Dr. Karen A. Wilson	301.624.2848
Nuclear Medicine: Michele Tertel	301.624.2845
Respiratory Care: Rhonda Patterson	301.846.2528
Surgical Technology: Nancy Dankanich	301.846.2506

Computing and Business Technology (CBT)

Office Manager (C-220): Doree Lynn Miles	301.846.2505
Accounting, CPA Prep: Mike Martin	301.846.2543
Business Administration, Business Management, Economics: Dr. Karen A. Wilson	301.624.2848
Computer Aided Design Technology: Dr. Renee Davis	301.846.2587
Computer Science, Information Systems Management, Information Technology-all options, Cybersecurity: Dr. Andy Yao	301.846.2410
Construction Management: Dr. Renee Davis	301.846.2587
Data Science: Dr. Andy Yao	301.846.2410
Paralegal: Dr. Tracy Parker	301.624.2819
STEM (Technology): Dr. Andy Yao	301.846.2410

Communications, Humanities & Arts (CHA)

Office Manager (F-143): Karen Santelli	301.846.2512
American Sign Language Studies: David Martin	240.575.2299
Art: Wendell Poindexter	301.846.2513
Audio Production: Jonathan Cresci	301.624.2844
Communications Speech: Dr. Kathy Brooks	301.846.2635
Digital Media Design, Computer Graphics: Lisa Sheirer	301.846.2637
Digital Media Design, Film & Video Production: Jason Santelli	301.846.2533
Humanities: Stephanie Curran	301.846.2512
Music: Dr. Paula Chipman	301.846.2566
Sign Language Interpreter Preparatory Program: Leslie Puzio	301.624.2783
Theatre: Tad Janes	301.846.2515
World Languages: Ana María Pinzón	301.624.2843

Construction & Building Trades (The Monroe Center)

Office Manager (Monroe, Main Lobby): Cheryl Concannon	240.629.7903
Program Manager: Chuck LoSchiavo	240.629.7902

Emergency Management

Program Manager (E-102): Sam Lombardo	240.629.7952
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English

Office Manager (H-243): Cheryl Peterson	301.846.2600
Developmental English: Joe Healey	301.846.2633
English as a Second Language	240.629.7962

Honors

Dr. Bruce Thompson	301.846.2535
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Hospitality, Culinary and Tourism Institute (HCTI) (The Monroe Center)

Institute Manager: Elizabeth DeRose	301.846.2404
Administrative Associate: Shela Stewart	240.629.7912

Mathematics

Office Manager (B-228): Jeanne Nesbitt	301.846.2530
Mathematics: Gary Hull	301.846.2576
Developmental Coordinator: Kylenea Cross	240.629.7835
STEM Learning Center Coordinator: Brian Penko (B-212)	240.629.7839

Nursing

Office Manager (L-114G): Marie Lalor	301.846.2524
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Science

Office Manager (C-118): Sharon Smith	301.846.2510
Bioprocessing Technology: Dr. Judy Staveley	301.846.2564
STEM (Science) Biology and Chemistry: Dr. Marc Frankenberry	301.846.2606
Engineering: Dr. Perry Wood	301.846.2554

Social Sciences

Office Manager (H-242): Nicole Welch	301.846.2507
History, Political Science: Dr. Michael Powell	301.846.2571
Criminal Justice: Mary Rolle	301.846.2639
Early Childhood Education/Early Childhood Special Education, and Early Childhood Development: Delaine Welch	301.846.2559
Elementary Education/Elementary Special Education, Secondary Education: Heather Hinkle	301.846.2461
Anthropology/Archaeology, Geography, Sociology: Corwin Parker	301.624.2837
Human Services: Natalie Bowers	301.846.2696
Psychology: Dr. John Sheldon	240.629.7857

Public Safety

Fire Service Administration, Police Sciences: Robin Shusko	301.846.2673
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General Education Courses Offered Fall 2018

1. Arts & Humanities

Arts

AR 100 - Introduction to the Creative Arts (3)
AR 101 - Two Dimensional Art and Design (3)
AR 103 - The History of Art: Non-Western (3)
AR 104 - The History of Art: Prehistoric to Early Renaissance (3)
AR 105 - The History of Art: Renaissance to Modern (3)
AR 106 - Drawing I (3)
AR 113 - Pottery I (3)
CMM 101 - Introduction to Electronic Media (3)
CMM 103 - Introduction to Film (3)
- Basic Darkroom to Digital Photography (3)
MU 101 - Introduction to Music History and Appreciation (3)
MU 103 - Fundamentals of Music (3)
MU 109 - History of American Popular Music (3)
THR 101 - Introduction to Theatre (3)

Humanities

ASLS 102 - American Sign Language I (3)
ASLS 103 - American Sign Language II (ASL II) (3)
ASLS 202 - American Sign Language III (ASL III) (3)
ASLS203 - American Sign Language IV (3)
EN/CMM 241 - Journalism Publication Practicum (3)
EN/CMM 241 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.
EN 102 - English Composition and Literature (3)
EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.
EN 203 - American Literature (3)
EN 205 - World Literature through 1650 C.E. (3)
EN 216 - The Short Story (3)
EN 223 - Classical Mythology (3)
EN 227 - Literature: Multicultural Perspectives (3)
EN 231 - English Language Studies (3)
EN 231H - English Language Studies (3)
HU 104 - Introduction to Digital Humanities (3)
HU 105 - Cultural Studies: Latin America (3)
HU 107 - Cultural Studies: Asia (3)
LAR 102 - Introductory Arabic II (3)
LC 101 - Introductory Chinese I (4)
LF 101 - Introductory French I (3)
LG 102 - Introductory German II (3)
LL 101 - Introductory Latin I (3)
LR 101 - Introductory Russian I (3)
LS 101 - Introductory Spanish I (3)
LS 102 - Introductory Spanish II (3)
LS 201 - Intermediate Spanish I (3)

LS 211 - Spanish Conversation I (3)
PH 101 - Introduction to Philosophy (3)
PH 204 - World Religions (3)
PH 205 - Ethics (3)
PH 206 - Logic (3)
PH 207 - Biomedical Ethics (3)
PH 208 - Business Ethics (3)

Communications

CMSP101 - Introduction to Communication Studies (3)
CMSP 103 - Speech Fundamentals (3)
CMSP 103H - Speech Fundamentals (3)
CMSP 105 - Small Group Communication (3)
CMSP 107 - Career Communication (3)
CMSP 109 - Basic Conflict Mediation (3)
EN/CMM 241 - Journalism Publication Practicum (3)
EN 102 - English Composition and Literature (3)
EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.

2. English Composition

EN 101 - English Composition (3)
EN 101H - English Composition (3)

3. Interdisciplinary & Emerging Issues

Computer Literacy

CIS 101 - Information Systems and Technology (3)
CIS 106 - Object Design and Programming (3)

Emerging Issues

ACE101H - Academic Engagement Seminar (3)
ASLS106 - Introduction to Deaf Community and History (3)
BU281 - Global Awareness in the Work Environment (3)
EM101 - Disaster, Crisis, and Emergency Management (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)

4. Mathematics

BU/MA 205 - Business Statistics (3)
MA 103 - Foundations of Mathematics (3)
MA 103A - Foundations of Mathematics (3)
MA 105 - Fundamental Concepts of Mathematics (4)
MA 111 - Precalculus (4)
MA 130 - College Algebra (3)
MA 130S - College Algebra (3)
MA 201 - Applied Calculus (3)
MA 206 - Elementary Statistics (3)
MA 206A - Elementary Statistics (3)
MA 207 - Elementary Statistics with Probability (4)
MA 210 - Calculus I (4)
MA 211 - Calculus II (4)

5. Science

BI 100 - Fundamental Concepts of Biology (4)
BI 100H - Fundamental Concepts of Biology (4)
BI 101 - Principles of Biology I (4)
BI 102 - Principles of Biology II (4)
BI 103 - Anatomy and Physiology (4)
BI 104 - Anatomy and 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 and Society (4)
CH 101 - General Chemistry (4)
CH 102 - General Chemistry (4)
PC 103 - Survey of Physical Science (3)
PC 104 - The Water Planet: Introduction to Oceanography (3)
PC 105 - Survey of Meteorology (3)
PC 106 - Introduction to Meteorology (4)
PC 107 - Introductory Astronomy (4)
PC 109 - Physical Geology (4)
PC 114 - Introduction to Physical Science (4)
PC 115 - Introduction to Earth Systems Science (4)
PY 201 - 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)
AN 103 - Introduction to Archeology (3)

Economics

EC 201 - Principles of Economics (3)
EC 201H - Principles of Economics (3)
EC 202 - Principles of Economics (3)

Education

ED 102 - Schools and Society (3)
ED/PS 208 - Human Growth and Development (3)
ED/PS208H - Human Growth and 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 121 - World History I (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)

Psychology

PS 101 - General Psychology (3)
PS 101H - General Psychology (3)
PS 202 - Social Psychology (3)

Sociology

SO 101 - Introduction to Sociology (3)
SO 102 - Social Problems (3)
SO 210 - Ethnic Diversity (3)
SO 212 - Gender and Society (3)

Cultural Competence Requirements

Developing cultural competence is essential for living and working in a diverse democratic society. As part of the College degree requirements, students must complete a class that is designated a cultural competence course. Cultural competence courses expose students to the knowledge and skills necessary to participate effectively in dynamic, evolving multicultural contexts. Following is a list of those courses that will fulfill the cultural competence requirement.

ACE101H - Academic Engagement Seminar (3)
AN 101 - Introduction to Anthropology (3)
AN 103 - Introduction to Archeology (3)
AR 103 - The History of Art: Non-Western (3)
AR 104 - The History of Art: Prehistoric to Early Renaissance (3)
AR 105 - The History of Art: Renaissance to Modern (3)
CMSP 105 - Small Group Communication (3)
ED 203 - Foundations of Special Education (3)
EN 205 - World Literature through 1650 C.E. (3)
EN 227 - Literature: Multicultural Perspectives (3)
EN/CMM 241 - Journalism Publication Practicum (3)
GG 102 - Cultural Geography (3)
HE 130 - Advanced Tai Chi - Cultural Perspective (3)
HI 217 - African-American History (3)
HS 102 - Human Relations (3)
HU 105 - Cultural Studies: Latin America (3)
HU 107 - Cultural Studies: Asia (3)
LA 100 - Introduction to Law (3)
LS 201 - Intermediate Spanish I (3)
LS 211 - Spanish Conversation I (3)
NU 101 - Introduction to Clinical Nursing (6)
PH 204 - World Religions (3)
SO 102 - Social Problems (3)
SO 210 - Ethnic Diversity (3)
SO 212 - Gender and Society (3)
ST 101 - Introduction to Surgical Technology (6)

2018

Fall Credit Schedule

Course Blackboard Requirements

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

ACCT: Accounting

ACCT100 - Business Accounting (3)

Prerequisite: EN 70 or EN 75 or EN 51 or ESL 97 or ESL 70 OR Corequisite: EN 75

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.

2002 ACCT100-1	TuTh	8 a.m. - 9:15 a.m.	15-week	\$
1618 ACCT100-2	M	5 p.m. - 7:35 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

ACCT101 - Principles of Accounting I (3)

Prerequisites: EN 70 OR (EN 50 and EN 51) OR (ESL 94 and ESL 97) OR (ESL 70 and ESL 71)

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.

1619 ACCT101-1	MW	11 a.m. - 12:15 p.m.	15-week	\$
1620 ACCT101-2	MW	12:30 p.m. - 1:45 p.m.	15-week	\$
1621 ACCT101-3	TuTh	8 a.m. - 9:15 a.m.	15-week	\$
2291 ACCT101-4	TuTh	9:30 a.m. - 10:45 a.m.	15-week	\$
1622 ACCT101-5	TuTh	11 a.m. - 12:15 p.m.	15-week	\$
1623 ACCT101-6	TuTh	12:30 p.m. - 1:45 p.m.	15-week	\$
2292 ACCT101-7	M	5 p.m. - 7:35 p.m.	15-week	\$
1624 ACCT101-8	W	5 p.m. - 7:35 p.m.	15-week	\$
1625 ACCT101-HYB1	Tu	6 p.m. - 8:35 p.m.	1st 7-week	\$
1626 ACCT101-ONL1		Online	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

ACCT102 - 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.

1627 ACCT102-1	MW	9:30 a.m. - 10:45 a.m.	15-week	📱📱📱📱📱
1628 ACCT102-2	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
2003 ACCT102-3	W	5 p.m. - 7:35 p.m.	15-week	
1629 ACCT102-HYB1	Tu	6 p.m. - 8:35 p.m.	2nd 7-week	
1630 ACCT102-ONL1		Online	15-week	

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

ACCT111 - Microcomputer Software Applications: Computerized Accounting (3)

Prerequisites: (CIS 101 or COS 116D) 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.

1631 ACCT111-HYB1	M	7:45 p.m. - 9:15 p.m.	15-week
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Note: Class meets on-campus 08/27 and 12/10

ACCT201 - Intermediate Accounting I (4)

Prerequisite: (ACCT 100 & ACCT 101) or (ACCT 101 & ACCT 102)

Reviews generally accepted accounting principles and the conceptual framework of financial accounting. Provides an intensive study of accounting procedures, work papers, financial statement preparation, and disclosure of financial statement items. Analyzes revenue recognition concepts and the proper accounting for cash, receivables, and inventories.

1632 ACCT201-HYB1	M	5 p.m. - 7:05 p.m.	15-week
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ACCT203 - Managerial Cost Accounting (3)

Prerequisite: ACCT 101

Presents accounting information that is used by managers for planning, directing and controlling the business. Both short-term operational planning and long-term strategic planning concepts are covered. Specific topics include accounting for product costs vs. period costs, job-order costing and process costing, cost behavior analysis, Cost-Volume-Profit (CVP) decision making, activity-based and standard costing, and capital budgeting.

1633 ACCT203-HYB1	W	5 p.m. - 6:30 p.m.	15-week
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Note: Class meets on-campus: 9/5, 9/12, 9/19, 10/24, 10/31, and 11/7

ACCT205 - 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.

1634 ACCT205-1	Tu	5 p.m. - 7:35 p.m.	15-week
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At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

ACE: Academic and Career Engagement

ACE100 - Advanced Reading for Composition (2)

Prerequisites: (A grade of C or better in EN 70 or EN 75) OR [(EN 51 or EN 52) and EN 61] OR (appropriate scores on the reading and writing placement tests) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); *Corequisite:* EN 101
Provides supplemental reading and writing support for students co-enrolled in English Composition (EN 101). The course targets critical reading strategies necessary for success in EN 101 and other college-level courses that require intensive reading. Students are guided to become independent readers capable of engaging in rigorous academic conversations.

1414 ACE100-LK1	MW	9:30 a.m. - 10:20 a.m.	15-week	\$
1407 EN101-LK1	MW	8 a.m. - 9:15 a.m.	15-week	
1415 ACE100-LK2	MW	12 p.m. - 12:50 p.m.	15-week	\$
1408 EN101-LK2	MW	10:30 a.m. - 11:45 a.m.	15-week	
1972 ACE100-LK3	MW	12 p.m. - 12:50 p.m.	15-week	\$
1969 EN101-LK3	MW	10:30 a.m. - 11:45 a.m.	15-week	
1416 ACE100-LK4	MW	2:30 p.m. - 3:20 p.m.	15-week	\$
1409 EN101-LK4	MW	1 p.m. - 2:15 p.m.	15-week	
1974 ACE100-LK5	MW	2:30 p.m. - 3:20 p.m.	15-week	\$
1971 EN101-LK5	MW	1 p.m. - 2:15 p.m.	15-week	
1417 ACE100-LK6	TuTh	9:30 a.m. - 10:20 a.m.	15-week	\$
1410 EN101-LK6	TuTh	8 a.m. - 9:15 a.m.	15-week	
1418 ACE100-LK7	TuTh	12 p.m. - 12:50 p.m.	15-week	\$
1411 EN101-LK7	TuTh	10:30 a.m. - 11:45 a.m.	15-week	
1973 ACE100-LK8	TuTh	12 p.m. - 12:50 p.m.	15-week	\$
1970 EN101-LK8	TuTh	10:30 a.m. - 11:45 a.m.	15-week	
1419 ACE100-LK9	TuTh	2:30 p.m. - 3:20 p.m.	15-week	\$
1412 EN101-LK9	TuTh	1 p.m. - 2:15 p.m.	15-week	
1420 ACE100-LK10	TuTh	7:25 p.m. - 8:15 p.m.	15-week	\$
1413 EN101-LK10	TuTh	6 p.m. - 7:15 p.m.	15-week	

Note: Students must register for corresponding ACE 100 and EN 101 linked (LK) section.

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

ACE101H - Academic Engagement Seminar (3)

Gen Ed Emerging Issues; Cultural Competence

Prerequisite or Corequisite: EN 70 or EN 75 OR *Prerequisites:* [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces first-year students to current, real-world issues as they advance their critical thinking, communication, and research skills. Students will explore questions of local, national, and global significance through multicultural contexts, while building relationships with their classmates, instructor, and other college personnel. Additionally, students will use campus resources and co-curricular events to enhance their educational experience and foster their college success.

2125 ACE101H-1C	MW	2 p.m. - 3:15 p.m.	15-week
2343 ACE101H-2C	TuTh	9:30 a.m. - 10:45 a.m.	13-week
<i>Note: This web-enhanced course requires completion of selected online assignments.</i>			
2126 ACE101H-3C	TuTh	2 p.m. - 3:15 p.m.	15-week

ACE110 - Career Assessment and Planning (3)

Prerequisites: EN 70 OR (EN 50 and EN 51) OR (ESL 94 and ESL 97) OR (ESL 70 and ESL 71)

Develops critical methods needed to make a satisfying career decision based on research and goal setting strategies that lead to personal and professional success. Students will acquire the skills needed to make informed choices about their education and career. Students will evaluate their strengths, values, interests, and personality in order to identify possible career options. Students will learn techniques for researching career options and making decisions about their future while creating a learning/career portfolio upon which they can build throughout their college career.

1914 ACE110-1	MW	12:30 p.m. - 1:45 p.m.	15-week
1915 ACE110-2	Th	5:30 p.m. - 8:30 p.m.	13-week
2107 ACE110-HYB1	Th	9:30 a.m. - 10:45 a.m.	15-week

ACE111A - Choosing a Major or Career (1)

Provides tools and support for students to explore career options, majors, and credentials. Students will identify their own strengths, values, and interests and will prepare an academic plan to help them identify a course of study appropriate to their desired outcomes.

2295 ACE111A-HYB1	Tu	9:30 a.m. - 10:45 a.m.	1st 5-week
2296 ACE111A-HYB2	Tu	9:30 a.m. - 10:45 a.m.	2nd 5-week

ACE201H - Honors Applied Leadership & Research (3)

Prerequisite: Permission of Honors Coordinator

Provides returning Honors students with the opportunity to serve as peer mentors or leaders of first-year Honors students as they explore current, real-world issues and further advance their critical thinking, communication, and research skills. Students will develop and explore questions of local, national, and global significance through multicultural contexts while building relationships with the instructor, classmates, and other college personnel. Students will refine research and presentation skills in preparation for academic conferences.

2344 ACE201H-1C	MW	2 p.m. - 3:15 p.m.	15-week	\$
2346 ACE201H-2C	TuTh	9:30 a.m. - 10:45 a.m.	13-week	\$
<i>Note: This web-enhanced course requires completion of selected online assignments.</i>				
2345 ACE201H-3C	TuTh	2 p.m. - 3:15 p.m.	15-week	\$



\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

AN: Anthropology

AN101 - Introduction to Anthropology (3)

Gen Ed Anthropology; Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
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.

1777 AN101-1	MW	9:30 a.m. - 10:45 a.m.	13-week
<i>Note: This web-enhanced course requires completion of selected online assignments.</i>			
1775 AN101-2	TuTh	8 a.m. - 9:15 a.m.	15-week
1776 AN101-3	F	11 a.m. - 1:30 p.m.	15-week
1778 AN101-ONL1		Online	13-week
2146 AN101-ONL2		Online	2nd 8-week

AN103 - Introduction to Archeology (3)

Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
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.


1779 AN103-1	TuTh	9:30 a.m. - 10:45 a.m.	15-week
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AR: Art

AR100 - Introduction to the Creative Arts (3)

Gen Ed Arts

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Introduces students to the areas of visual arts, dance, music, and theater through an exploration of representative works with a global perspective. The study of the creative arts will develop critical appreciation for the arts, enhance self-expression, and provide a better understanding of the human experience. Attendance at an art exhibition and two different live performances is required. The course meets the Maryland state approved Associate of Arts in Teaching degree.

1083 AR100-1	MW	8 a.m. - 9:15 a.m.	15-week
1082 AR100-2	MW	12:30 p.m. - 1:45 p.m.	15-week
1084 AR100-3	TuTh	12:30 p.m. - 1:45 p.m.	15-week
1085 AR100-ONL1		Online	15-week

AR101 - Two Dimensional Art and Design (3)

Gen Ed Arts

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Investigates the concepts and principles of two-dimensional visual design using black and white through a series of design exercises of increasing complexity.

1086 AR101-1	MW	9:30 a.m. - 11:30 a.m.	15-week
1087 AR101-2	MW	12:30 p.m. - 2:30 p.m.	15-week
1088 AR101-3	TuTh	10 a.m. - 12 p.m.	15-week
1089 AR101-4	TuTh	1 p.m. - 3 p.m.	15-week

Note: Students must furnish own supplies.

AR103 - The History of Art: Non-Western (3)

Gen Ed Arts; Cultural Competence


Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Surveys the major developments in painting, sculpture, and architecture created in non-western cultures around the world. Emphasizes a global perspective and illuminates the historical/artistic interaction of world cultures. Provides an overview of the visual arts created in India, China, Japan, Islam, Africa, Oceania, and the pre-Columbian cultures of North and South America. A visit to an art museum is required.

1090 AR103-1	MW	9:30 a.m. - 10:45 a.m.	15-week
2287 AR103-2	MW	2 p.m. - 3:15 p.m.	15-week

AR104 - The History of Art: Prehistoric to Early Renaissance (3)

Gen Ed Arts; Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Surveys the major developments in painting, sculpture and architecture from prehistoric times to the Italian Renaissance. Explores multi-cultural diversity through the study of the history of civilization, religion, myth, literature, politics and the human condition as manifested in the visual arts. A visit to an art museum is required.

1091 AR104-1	MW	12:30 p.m. - 1:45 p.m.	15-week
1093 AR104-ONL1		Online	13-week

 *No/Low Cost Course Section: The textbook costs for this course are under \$40.*

AR105 - The History of Art: Renaissance to Modern (3)

Gen Ed Arts; Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Surveys the major developments in painting, sculpture and architecture from the Italian Renaissance to the present. Explores multi-cultural diversity through the study of the history of civilization, religion, myth, literature, politics and the human condition as manifested in the visual arts. A visit to an art museum is required.

2061 AR105-1	TuTh	9:30 a.m. - 10:45 a.m.	15-week
2288 AR105-2	TuTh	12:30 p.m. - 1:45 p.m.	15-week

AR106 - Drawing I (3)

Gen Ed Arts

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

1100 AR106-1	MW	8 a.m. - 10 a.m.	15-week
1094 AR106-2	MW	9:30 a.m. - 11:30 a.m.	15-week
1095 AR106-3	M	12:30 p.m. - 4:30 p.m.	15-week
1096 AR106-4	MW	3 p.m. - 5 p.m.	15-week
1097 AR106-5	TuTh	8 a.m. - 12 p.m.	2nd 8-week
1098 AR106-6	TuTh	10 a.m. - 12 p.m.	15-week
1099 AR106-7	TuTh	12:30 p.m. - 2:30 p.m.	15-week
2322 AR106-8	TuTh	3 p.m. - 5 p.m.	15-week
1117 AR106-9	F	9 a.m. - 1 p.m.	15-week
1101 AR106-10	M	5:30 p.m. - 9:30 p.m.	15-week

Note: Students must furnish own supplies.

AR113 - Pottery I (3)

Gen Ed Arts

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

1102 AR113-1	M	12:30 p.m. - 4:30 p.m.	15-week
1103 AR113-2	W	9 a.m. - 1 p.m.	15-week
1104 AR113-3	Th	9 a.m. - 1 p.m.	15-week
2323 AR113-4	SAT	9 a.m. - 1 p.m.	14-week
1105 AR113-5	M	5:30 p.m. - 9:30 p.m.	15-week
1107 AR113-6	W	5:30 p.m. - 9:30 p.m.	15-week

AR114 - Pottery II (3)

Prerequisite: AR 113

An advanced study into the nature of ceramic art. Skills and techniques learned in Pottery I are refined and advanced, chemical information and historical traditions are elaborated upon to prepare the student for the production of fine ceramic art.

1108 AR114-1	F	9 a.m. - 1 p.m.	15-week
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AR115 - Introduction to Color Theory and Design (3)

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces students to the basic principles and elements of color theory. Through lectures, still images, and in-class studio work, students will develop an awareness of color and a deeper understanding of color theory and practice. Topics include the scientific, psychological, and aesthetic aspects of color. Historic examples of color trends in art and design will also be discussed.

1110 AR115-1	MW	3 p.m. - 5 p.m.	15-week
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AR203 - Sculpture (3)

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces the three-dimensional processes of carving, modeling, casting and constructing sculptures. Gallery visits, discussions and critiques augment the student's personal studio experiences.

1111 AR203-1C	Th	1:30 p.m. - 5:30 p.m.	15-week
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AR204 - 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.

1112 AR204-1C MW 12:30 p.m. - 2:30 p.m. 15-week

AR205 - 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.

1113 AR205-1C MW 12:30 p.m. - 2:30 p.m. 15-week

AR207 - Introduction to Watercolor I (3)

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

1114 AR207-1C F 9 a.m. - 1 p.m. 15-week

AR210 - 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.

1115 AR210-1C F 9 a.m. - 1 p.m. 15-week

AR213 - 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

1116 AR213-1C Th 1:30 p.m. - 5:30 p.m. 15-week

ASLS: American Sign Language Studies

ASLS100 - American Sign Language Fingerspelling and Numbering (3)

Prerequisite: ASLS 102; *Corequisite:* ASLS 103

Provides an in-depth study of American Sign Language Fingerspelling and Numbering. ASL Fingerspelling and Numbering is a crucial component of ASL. Focuses on developing receptive and expressive fingerspelling and numbering skills. Through class activities, this course covers names of people, cities, states, titles of books, movies, brand names, and lexicalized fingerspelling. This course also covers five systems in ASL Number Use: cardinal, ordinal, incorporation, unique, and sports system.

1118 ASLS100-1 MW 3:30 p.m. - 4:45 p.m. 15-week

ASLS101 - Visual Gestural Communication (3)

Trains 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 ASLS101.

1119 ASLS101-1 TuTh 11 a.m. - 12:15 p.m. 15-week
2271 ASLS101-2 TuTh 5:30 p.m. - 6:45 p.m. 15-week

ASLS102 - American Sign Language I (3)

Gen Ed 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.)

1120 ASLS102-1 MW 8 a.m. - 9:15 a.m. 15-week
1121 ASLS102-2 MW 9:30 a.m. - 10:45 a.m. 15-week
1122 ASLS102-3 MW 11 a.m. - 12:15 p.m. 15-week
1123 ASLS102-4 MW 12:30 p.m. - 1:45 p.m. 15-week
1133 ASLS102-5 MW 3:30 p.m. - 4:45 p.m. 15-week
1124 ASLS102-6 TuTh 9:30 a.m. - 10:45 a.m. 15-week
1125 ASLS102-7 TuTh 11 a.m. - 12:15 p.m. 15-week
1126 ASLS102-8 TuTh 12:30 p.m. - 1:45 p.m. 15-week
1127 ASLS102-9 SAT 9 a.m. - 11:45 a.m. 14-week
2093 ASLS102-10 M 5:30 p.m. - 8 p.m. 15-week
1128 ASLS102-11 Th 5:30 p.m. - 8:05 p.m. 15-week

ASLS103 - American Sign Language II (ASL II) (3)

Gen Ed 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.

1129 ASLS103-1 MW 2 p.m. - 3:15 p.m. 15-week
1130 ASLS103-2 W 5:30 p.m. - 8:05 p.m. 15-week

ASLS106 - Introduction to Deaf Community and History (3)

Gen Ed Emerging Issues; Cultural Competence

Introduces students to the American Deaf Community through historical events. Topics include the development of American Sign Language, modes of communication, laws concerning Deaf people, professions within the Deaf community, education of Deaf children, and the importance and value of Deaf Culture.

2121 ASLS106-HYB1 Tu 5:30 p.m. - 6:45 p.m. 15-week
1131 ASLS106-ONL1 📺 Online 15-week

ASLS202 - American Sign Language III (ASL III) (3)

Gen Ed Humanities

Prerequisite: ASLS 103

A continuation of American Sign Language II. Emphasizes ASL grammar, vocabulary development and the deaf culture. Expands dialogue, short stories, narratives, short conversations and both receptive and expressive skills. Emphasizes signing techniques as well as signing speed and accuracy.

1132 ASLS202-1 W 5 p.m. - 6:45 p.m. 15-week
2133 ASLS202-2 TuTh 3:30 p.m. - 6:45 p.m. 15-week

ASLS203 - American Sign Language IV (3)

Gen Ed Humanities

Prerequisite: ASLS 202

A continuation of ASL III. Features comprehension of medium and longer stories, narratives and dialogues presented by the instructor and deaf ASL users. Students express self-generated stories. Presents hypothetical issues and problems. Includes interaction with the deaf community in both directed and non-directed activities.

2348 ASLS203-1 TuTh 9:30 a.m. - 10:45 a.m. 15-week
2273 ASLS203-2 TuTh 2 p.m. - 3:15 p.m. 15-week

ASLS207 - American Sign Language V (ASL V) (3)

Prerequisites: ASLS 102, ASLS 103, ASLS 202 and ASLS 203 with a grade of 'B' or higher

Presents the advanced skills used in American Sign Language. Includes vocabulary and grammar related to the exchange of storytelling, ASL idioms, analyzing ASL concepts, and more complicated ASL skills. This is the last of a five-semester ASL sequence. Skills developed from previous courses allow them to share personal and biographical stories and retell stories with simple plots, such as children's stories. Students will increase their understanding of a competence in using conversational strategies and culturally appropriate interaction skills.

2293 ASLS207-1 TuTh 6 p.m. - 7:15 p.m. 15-week

BI: Biological Science

BI55 - Preparation for Allied Health (0) [3]

Prerequisites: (EN 70 or EN 75) OR (EN 50 and EN 51) OR (ESL 94 and ESL 97) OR (ESL 70 and ESL 71) OR (Corequisite: EN 75) AND (MA 81 or MA 83 or MA 85 or appropriate score on mathematics placement test)
Presents basic science concepts and science study skills. A preparatory course for students who have limited science background.

1454 BI55-1	MW	11 a.m. - 12:15 p.m.	15-week
1455 BI55-2	Tu	8 a.m. - 10:35 a.m.	15-week
2256 BI55-3	TuTh	2 p.m. - 3:15 p.m.	15-week
1456 BI55-4	W	6 p.m. - 8:35 p.m.	15-week

BI100 - Fundamental Concepts of Biology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 81 or MA 83 or MA 85 or MA 103 or MA 103A or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test OR Prerequisite or Corequisite: MA 105)

Explores basic biological concepts involved in understanding the structure, function, and evolution of organisms. Introduces organization of living matter, metabolism, genetics, evolution, and ecology, and their application to everyday life. This one semester laboratory course is intended for non-STEM (science, technology, engineering, and math) majors, and is designed to provide students with an appreciation of biological concepts and their current applications. Meets the requirement for a general education science lab course.

1457 BI100-1LC	M	8 a.m. - 10:35 a.m.	15-week
1458 BI100-11LB	W	8 a.m. - 10:30 a.m.	15-week
1459 BI100-2LC	MW	9:30 a.m. - 10:45 a.m.	15-week
1460 BI100-21LB	W	12:30 p.m. - 3 p.m.	15-week
1989 BI100-3LC	MW	11 a.m. - 12:15 p.m.	15-week
1990 BI100-31LB	M	1 p.m. - 3:30 p.m.	15-week
1465 BI100-4LC	TuTh	11 a.m. - 12:15 p.m.	15-week
1466 BI100-41LB	Tu	12:30 p.m. - 3 p.m.	15-week
1463 BI100-5LC	Tu	12:30 p.m. - 3:05 p.m.	15-week
1464 BI100-51LB	Th	12:30 p.m. - 3 p.m.	15-week
1467 BI100-6LC	SAT	9 a.m. - 11:45 a.m.	14-week
1468 BI100-61LB	SAT	12 p.m. - 2:45 p.m.	14-week
1469 BI100-7LC	Tu	6 p.m. - 8:35 p.m.	15-week
1470 BI100-71LB	Th	6 p.m. - 8:30 p.m.	15-week
1471 BI100-HYBC	📱	Online	15-week
1472 BI100-HYBB	F	9:30 a.m. - 12 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

BI100H - Fundamental Concepts of Biology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 81 or MA 83 or MA 85 or MA 103 or MA 103A or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test OR Prerequisite or Corequisite: MA 105)

Explores basic biological concepts involved in understanding the structure, function, and evolution of organisms. Introduces organization of living matter, metabolism, genetics, evolution, and ecology, and their application to everyday life. This one semester laboratory course is intended for non-STEM (science, technology, engineering, and math) majors, and is designed to provide students with an appreciation of biological concepts and their current applications. Meets the requirement for a general education science lab course

2311 BI100H-1LC	Tu	8 a.m. - 10:35 a.m.	15-week
2310 BI100H-11LB	Th	8 a.m. - 10:30 a.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

BI101 - Principles of Biology I (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 130 or MA 130S or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test OR Prerequisite or Corequisite: MA 111)

Explores the basic biological principles common to all living organisms, including biological chemistry, bioenergetics and metabolism, cellular and molecular biology, and classical and molecular genetics. Methods of scientific inquiry and data analysis are studied and practiced. BI 101 is the first of a two semester series that together with BI 102 is a comprehensive survey of modern biology and is intended for STEM (science, technology, engineering, and math) majors and pre-allied health majors. Meets the requirement for a general education science lab course.

1473 BI101-1LC	M	9:30 a.m. - 12:05 p.m.	15-week
1474 BI101-11LB	W	9:30 a.m. - 12 p.m.	15-week
1475 BI101-2LC	M	12:30 p.m. - 3:05 p.m.	15-week
1476 BI101-21LB	W	12:30 p.m. - 3 p.m.	15-week
1477 BI101-3LC	Tu	8 a.m. - 10:35 a.m.	15-week
1478 BI101-31LB	Th	8 a.m. - 10:30 a.m.	15-week
1479 BI101-4LC	TuTh	8 a.m. - 9:15 a.m.	15-week
1480 BI101-41LB	Tu	11 a.m. - 1:30 p.m.	15-week
1481 BI101-42LB	Th	11 a.m. - 1:30 p.m.	15-week

Note: Students registering for BI101-4LC must also register for BI101-41LB or BI101-42LB.

1482 BI101-5LC	TuTh	11 a.m. - 12:15 p.m.	15-week
1483 BI101-51LB	Tu	2 p.m. - 4:30 p.m.	15-week
2290 BI101-6LC	TuTh	12:30 p.m. - 1:45 p.m.	15-week
1991 BI101-61LB	Th	2 p.m. - 4:30 p.m.	15-week
1484 BI101-7LC	W	9:30 a.m. - 12:05 p.m.	15-week
1485 BI101-71LB	M	9:30 a.m. - 12 p.m.	15-week
1486 BI101-8LC	F	8 a.m. - 10:35 a.m.	15-week
1487 BI101-81LB	F	11 a.m. - 1:30 p.m.	15-week
2083 BI101-9LC	SAT	9 a.m. - 11:45 a.m.	14-week
2084 BI101-91LB	SAT	12 p.m. - 2:45 p.m.	14-week
1488 BI101-10LC	M	6 p.m. - 8:35 p.m.	15-week
1489 BI101-101B	W	6 p.m. - 8:30 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

BI102 - Principles of Biology II (4)

Gen Ed Science

Prerequisite: BI 101

Continues the comprehensive survey of modern biology begun in BI 101 with an emphasis on mechanisms of evolution, methods of phylogenetic reconstruction and analysis, diversity of life, and ecology. Surveys biological diversity of all eukaryotic domains and kingdoms, including the study of various anatomical, physiological, and behavioral adaptations for life in different habitats. Select vertebrate body systems are studied. Intended for STEM (science, technology, engineering, and math) majors. Meets the requirement for a general education science lab course.

1490 BI102-1LC	W	12:30 p.m. - 3:05 p.m.	15-week
1491 BI102-11LB	M	12:30 p.m. - 3 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

BI103 - Anatomy and Physiology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 130 or MA 130S or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test OR *Prerequisite or Corequisite:* MA 111) 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.

1492 BI103-1LC	MW	8 a.m. - 9:15 a.m.	15-week
1493 BI103-11LB	M	9:30 a.m. - 12 p.m.	15-week
1494 BI103-12LB	W	9:30 a.m. - 12 p.m.	15-week

Note: Students registering for BI103-1LC must also register for BI103-11LB or BI103-12LB.


1495 BI103-2LC	MW	9:30 a.m. - 10:45 a.m.	15-week
1496 BI103-21LB	M	12:30 p.m. - 3 p.m.	15-week

1497 BI103-3LC	TuTh	8 a.m. - 9:15 a.m.	15-week
1498 BI103-31LB	Tu	9:30 a.m. - 12 p.m.	15-week

1499 BI103-4LC	TuTh	11 a.m. - 12:15 p.m.	15-week
1500 BI103-41LB	Tu	12:30 p.m. - 3 p.m.	15-week

1503 BI103-5LC	SAT	9 a.m. - 11:45 a.m.	14-week
1504 BI103-51LB	SAT	12 p.m. - 2:45 p.m.	14-week

1505 BI103-6LC	M	5:30 p.m. - 8:05 p.m.	15-week
1506 BI103-61LB	W	5:30 p.m. - 8 p.m.	15-week

1501 BI103-HYBC		Online	15-week
1502 BI103-HYBB	W	12:30 p.m. - 3 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

1507 BI103-LK1C	TuTh	5 p.m. - 7:35 p.m.	1st 8-week
1508 BI103-LK1B	TuTh	7:45 p.m. - 10:15 p.m.	1st 8-week

Note: BI103-LK1C and BI103-LK1B – Session dates are August 28 through October 16, 2018. Students must register for corresponding BI103 and BI104 (LK) sections together. No online registration for these class sections.

BI104 - Anatomy and Physiology (4)

Gen Ed 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.

1509 BI104-1LC	MW	12:30 p.m. - 1:45 p.m.	15-week
1510 BI104-11LB	W	9:30 a.m. - 12 p.m.	15-week

1513 BI104-2LC	F	8 a.m. - 10:35 a.m.	15-week
1514 BI104-21LB	F	11 a.m. - 1:30 p.m.	15-week

1515 BI104-3LC	SAT	9 a.m. - 11:45 a.m.	14-week
1516 BI104-31LB	SAT	12 p.m. - 2:45 p.m.	14-week

1517 BI104-4LC	M	5:30 p.m. - 8:05 p.m.	15-week
1518 BI104-41LB	W	5:30 p.m. - 8 p.m.	15-week

1511 BI104-HYBC		Online	15-week
1512 BI104-HYBB	Tu	12:30 p.m. - 3 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

1519 BI104-LK1C	TuTh	5 p.m. - 7:35 p.m.	2nd 8-week
1520 BI104-LK1B	TuTh	7:45 p.m. - 10:15 p.m.	2nd 8-week

Note: BI104-LK1C and BI104-LK1B – Session dates are October 18 through December 13, 2018. Students must register for corresponding BI103 and BI104 (LK) sections together. No online registration for these class sections.

BI107 - Human Biology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)
Presents a study of the human body and its relationships to health, disease, and the environment. Covers basic concepts of anatomy, physiology, genetics, cancer, disease, immunology, aging, human evolution and/or related topics. Incorporates case studies, group work and information technology. For the non-science major. Meets the requirement for a general education science lab course. Students cannot receive credit for both BI 107 and BI 117.

1993 BI107-1LC	M	12:30 p.m. - 3:05 p.m.	15-week
1992 BI107-11LB	W	12:30 p.m. - 3 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

BI117 - Study of the Human Body (3)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)
Examines the human body and its relationships to health, disease, and the environment. Covers basic concepts of anatomy, physiology, genetics, cancer, disease, immunology, aging, human evolution, and/or other related topics. Incorporates case studies, group work, and information technology. For the non-science major. Students cannot receive credit for both BI 117 and BI 107.

2085 BI117-1	MW	12:30 p.m. - 1:45 p.m.	15-week
1522 BI117-2	W	6 p.m. - 8:30 p.m.	13-week

Note: This web-enhanced course requires completion of selected online assignments.

1521 BI117-ONL1		Online	13-week
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BI120 - Microbiology for Allied Health (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 130 or MA 130S or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test OR *Prerequisite or Corequisite:* MA 111) AND (BI 55 or BI 101 or BI 103 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.

1523 BI120-1LC	MW	9:30 a.m. - 10:45 a.m.	15-week
1524 BI120-11LB	MW	11 a.m. - 12:15 p.m.	15-week

1531 BI120-2LC	MW	12:30 p.m. - 1:45 p.m.	15-week
1532 BI120-21LB	MW	2 p.m. - 3:15 p.m.	15-week

2086 BI120-3LC	TuTh	8 a.m. - 9:15 a.m.	15-week
2087 BI120-31LB	TuTh	9:30 a.m. - 10:45 a.m.	15-week

1525 BI120-4LC	TuTh	11 a.m. - 12:15 p.m.	15-week
1526 BI120-41LB	TuTh	12:30 p.m. - 1:45 p.m.	15-week

1527 BI120-5LC	SAT	12 p.m. - 2:45 p.m.	14-week
1528 BI120-51LB	SAT	9 a.m. - 11:45 a.m.	14-week

1533 BI120-6LC	TuTh	6:20 p.m. - 7:35 p.m.	15-week
1534 BI120-61LB	TuTh	5 p.m. - 6:15 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

BI130 - Forensic Biology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

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.

1535 BI130-11C	M	8 a.m. - 10:35 a.m.	15-week
1536 BI130-11LB	W	8 a.m. - 10:30 a.m.	15-week

2088 BI130-21C	M	11 a.m. - 1:35 p.m.	15-week
2089 BI130-21LB	W	11 a.m. - 1:30 p.m.	15-week

2258 BI130-31C	Tu	8 a.m. - 10:35 p.m.	15-week
2259 BI130-31LB	Th	8 a.m. - 10:30 p.m.	15-week

1537 BI130-41C	Tu	11 a.m. - 1:35 p.m.	15-week
1538 BI130-41LB	Th	11 a.m. - 1:30 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

1539 BI130-ONL1		Online	15-week
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BI140 - Biotechnology and Society (3)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

Presents an overview of biotechnology and its scientific foundation through introductory investigations of the cell, protein structure and function, genetic expression, ecological and evolutionary interactions, and technological applications and issues. Introduces how science blends with consumer applications, regulatory information and social issues to provide a detailed perspective of the interrelationship among science, technology and society. May include one or more mandatory field trips, and/or guest lecturers.

1540 BI140-ONL1		Online	13-week
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Note: This web-enhanced course requires completion of selected online assignments.

BI201 - General Ecology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

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.

1541 BI201-11C	TuTh	11 a.m. - 12:15 p.m.	15-week
1542 BI201-11LB	Tu	12:30 p.m. - 3 p.m.	15-week


Note: Students must register for corresponding lecture (LC) and lab (LB).

BI202 - Human Ecology (3)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

Investigates physical environments of human beings and the effect of technologies on the environment. Emphasizes small group investigations of air, water and soil pollution and the rapidly expanding population as it affects the natural ecosystem within Frederick County and the Eastern seaboard. Some Friday or Saturday field trips.

2260 BI202-1	MW	9:30 a.m. - 10:45 a.m.	15-week
1543 BI202-ONL1		Online	13-week

Note: This web-enhanced course requires completion of selected online assignments.

BI203 - Elements of Microbiology (4)

Prerequisites: CH 101 and BI 101 or BI 103

Introduces microbiology. Includes basic study of morphology, physiology, genetics and ecology of microorganisms, with an introduction to infectious diseases and immunology.


1544 BI203-11C	TuTh	9:30 a.m. - 10:45 a.m.	15-week
1545 BI203-11LB	TuTh	11 a.m. - 12:15 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

BI220 - Cell Biology and Tissue Culture (4)

Prerequisites: BI 101 and CH 101

Introduces cellular organization, regulation, energy transport, and division. Discusses gene expression and interaction in relation to cellular biology. Presents tissue culture in the laboratory setting as a medium for bioprocess manufacturing. May include one or more mandatory field trips and/or guest lecturers.

1546 BI220-HYBC		Online	15-week
1547 BI220-HYBB	Tu	5 p.m. - 7:30 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

Biology Notes:

BI203 - Elements of Microbiology offered fall semester only.

BI240 - Genetics offered spring semester only.

BLD: Building Trades

BLD101 - Introduction to Building Trades (3)

Prerequisite: EN 70 or EN 51 or ESL 97 or ESL 70

Introduces general aspects of building trades, the building process, and its phases. Emphasizes health and safety issues related to the building trades. Explores print reading, building design, building site planning, site preparation, and estimating as it relates to construction. Includes an overview of applicable equipment and materials required in the building trades.

2015 BLD101-1	Tu	6 p.m. - 8:30 p.m.	15-week
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Note: Class held at the FCC Monroe Center

1365 BLD101-2	W	6 p.m. - 8:30 p.m.	15-week
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Note: Class held at the FCC Monroe Center

BLD109 - Fundamentals of HVACR (4)

*** Building Trades fee per class: \$71.40**

Prerequisite: EN 70 or EN 75 or EN 51 or ESL 97 or ESL 70 OR Corequisite: EN 75

Covers fundamentals of heating, cooling, ventilation, humidity control, and basic refrigeration. Students will receive hands-on experience in a lab setting.

1366 BLD109-HYB1	MW	6 p.m. - 9 p.m.	1st 7-week
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Note: Class held at the FCC Monroe Center.

BLD110 - Controls for HVACR (3)

*** Building Trades fee per class: \$71.40**

Prerequisite: BLD 109 or permission of program manager

Covers the topics of controls in HVACR with respect to thermostats; pressure, safety and temperature devices; and valves. In a lab environment students will be able to identify and apply usage of these components.

1367 BLD110-HYB1	MW	6 p.m. - 8:30 p.m.	2nd 7-week
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Note: Class held at the FCC Monroe Center

BLD113 - HVAC Installation & Troubleshooting (3)

*** Building Trades fee per class: \$71.40**

Prerequisite: BLD 110 or BLD 112 or permission of program manager

Teaches basics of troubleshooting, installation, service and preventative maintenance techniques of HVAC equipment. Course includes EPA CFC certification. Hands-on experience will be conducted in a lab setting where students will demonstrate and apply these techniques.

1948 BLD113-HYB1	TuTh	6 p.m. - 8:30 p.m.	1st 7-week
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Note: Class held at the FCC Monroe Center

BLD114 - Fossil Fuels & Hydronic Heating (3)

*** Building Trades fee per class: \$71.40**

Prerequisite: BLD 110 or BLD 112 or permission of program manager

Covers the topics of fossil fuel heating devices, hydronic and forced air equipment. Students will apply troubleshooting, installation, service, and preventative maintenance techniques on these systems in a lab setting.

1368 BLD114-HYB1 TuTh 6 p.m. - 8:30 p.m. 2nd 7-week

Note: Class held at the FCC Monroe Center

BLD120 - Welding Symbols & Blueprint Reading (2)

Prerequisite: EN 70 or EN 75 or EN 51 or ESL 97 or ESL 70 OR Corequisite: EN 75

Introduces various types of prints used in the welding industry. Topics include print reading, measurements, metallurgy, types of welds and joints, and welding symbols.

1369 BLD120-1 MW 5 p.m. - 6 p.m. 15-week

Note: Class held at the FCC Monroe Center

BLD121 - Introduction to Welding (4)

*** Building Trades Welding fee per class: \$100**

Prerequisite: EN 70 or EN 75 or EN 51 or ESL 97 or ESL 70 OR Corequisite: EN 75

Introduces the basic processes in the welding field. Emphasizes welding safety. Introduces the various types of welding equipment, identification and selection of filler material, types of welds, and the different welding positions.

2016 BLD121-1 MW 6 p.m. - 9 p.m. 15-week

Note: Class held at the FCC Monroe Center.

BLD125 - Advanced Welding: GTAW (3)

*** Building Trades Welding fee per class: \$100**

Prerequisite: BLD 121; Prerequisite or Corequisite: BLD 120

Introduces Gas Tungsten Arc Welding (GTAW) on carbon steel, stainless steel, and aluminum. Topics include welding safety, basic machine maintenance, and welding techniques.

1949 BLD125-1 TuTh 6 p.m. - 8:30 p.m. 15-week

Note: Class held at the FCC Monroe Center

BLD128 - Advanced Welding: SMAW 4G (3)

*** Building Trades Welding fee per class: \$100**

Prerequisite: BLD 122

Focuses on Shielded Metal Arc Welding (SMAW) and oxyfuel and Plasma Arc cutting on carbon steel. Students will complete a SMAW welder performance qualification test on limited thickness test plates in the 4G position on carbon steel in accordance with American Welding Society D1.1 Structural Welding Code. Leads to an in-house certification.

2261 BLD128-1 TuTh 6 p.m. - 8:30 p.m. 15-week

Note: Class held at the FCC Monroe Center

BLD141 - Fundamentals of Structural Wiring (4)

*** Building Trades fee per class: \$71.40**

Prerequisite: EN 70 or EN 75 or EN 51 or ESL 97 or ESL 70 OR Corequisite: EN 75

Covers basic principles and fundamentals of electricity and electrical work. Course will include components of schematics and blueprints, importance and role of the National Electrical Code, and safety. Students will receive hands-on experience with tools of the trade, wiring, and installing components of accessory terminations.

1370 BLD141-HYB1 TuTh 6 p.m. - 9 p.m. 1st 7-week

Note: Class held at the FCC Monroe Center.

BLD142 - Residential Electric (3)

*** Building Trades fee per class: \$71.40**

Prerequisite: BLD 141 or permission of program manager

Advances student knowledge in the National Electrical Code (NEC) and its application. Topics covered will include NEC calculations, as well as print reading, circuitry, schematics, materials, and circuit testing. Hands-on applications will be conducted in a lab setting.

1371 BLD142-HYB1 TuTh 6 p.m. - 8:30 p.m. 2nd 7-week

Note: Class held at the FCC Monroe Center

BLD145 - Commercial Electric (3)

*** Building Trades fee per class: \$71.40**

Prerequisite: BLD 142 or permission of program manager

Continues the concepts and skills covered in the first two courses of the electrical building trades program. This course covers wiring methods mainly used in commercial construction. Topics covered to include: conduit (bending, installation), commercial lighting (fluorescent, HID), and transformers. Students will also have an overview of the applicable sections of the National Electrical Code (NEC), including box/conduit fill, and load calculations.

2017 BLD145-HYB1 MW 6 p.m. - 8:30 p.m. 1st 7-week

Note: Class held at the FCC Monroe Center

BLD146 - Specialized Systems (3)

*** Building Trades fee per class: \$71.40**

Prerequisite: BLD 141 or permission of program manager

Covers topics in the electrical field such as CAT5, CAT6, CATV, fiber optics, fire alarms, photovoltaic, and electric controls. Students will receive hands-on experience working with materials and components in a lab setting. Students will also be introduced to the National Electrical Code (NEC) codes governing these various sub-fields to the electrical industry.

2018 BLD146-HYB1 MW 6 p.m. - 8:30 p.m. 2nd 7-week

Note: Class held at the FCC Monroe Center

BPM: Bioprocessing Technology

BPM102 - Bioprocessing Environment (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Presents the tenets of Current Good Manufacturing Practices (cGMPs) and regulations relevant to the bioprocess 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 lecturers.

1548 BPM102-ONL1 📱 Online 15-week

BPM103 - Laboratory Techniques I (1)

Prerequisites: Completion of high school biology or chemistry is strongly recommended AND (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

Focuses on the basic principles and procedures used in all laboratory courses. Includes safety, equipment usage, areas of the lab and testing involved, quality control/quality assurance, lab math, and professionalism.

1549 BPM103-1 TuTh 11 a.m. - 1:45 p.m. 1st 7-week

Bioprocessing Technology Notes:

BPM102 - Bioprocessing Environment offered fall semester only.

BPM103 - Laboratory Techniques I offered fall semester only.

BPM110 - Bioprocessing Measurements offered spring semester only.

BPM214 - Techniques in Bioproduction offered spring semester only.

BU: Business Studies

BU103 - Introduction to Business (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75

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.

1637 BU103-1	MW	12:30 p.m. - 1:45 p.m.	15-week	
1638 BU103-2	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
1639 BU103-3	TuTh	11 a.m. - 12:15 p.m.	15-week	\$
1640 BU103-4	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
1635 BU103-HYB1	M	9:30 a.m. - 11:15 a.m.	15-week	\$
1641 BU103-HYB2	M	2 p.m. - 3:15 p.m.	15-week	\$
1636 BU103-HYB3	W	9:30 a.m. - 11:15 a.m.	15-week	\$
1645 BU103-HYB4	SAT	9 a.m. - 11:35 a.m.	2nd 7-week Saturday	
1642 BU103-HYB5	Tu	6 p.m. - 9 p.m.	1st 7-week	
1643 BU103-ONL1		Online	15-week	\$
1644 BU103-ONL2		Online	1st 7-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU109 - 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 (personnel/inventory/control/managing risk) and regulations and taxes.

1646 BU109-HYB1	Th	6 p.m. - 9 p.m.	1st 7-week	\$
1647 BU109-ONL1		Online	2nd 7-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU110 - 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.

1648 BU110-ONL1		Online	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU211 - 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.

1649 BU211-1	MW	2 p.m. - 3:15 p.m.	15-week	\$
1650 BU211-HYB1	Th	6 p.m. - 8:35 p.m.	2nd 7-week	\$
1651 BU211-ONL1		Online	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU221 - Public Relations (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
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.

2269 BU221-ONL1		Online	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU223 - Human Resource Management (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Introduces basic concepts of Human Resource (HR) Management in organizations. Provides an overview of the primary elements of HR management, including human resource planning, recruitment, selection, training and development, performance management and employee motivation/retention, compensation and benefits, workplace safety, labor relations, and legal/ethical issues.

1652 BU223-ONL1		Online	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU225 - Marketing (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
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.

1653 BU225-1	MW	11 a.m. - 12:15 p.m.	15-week	\$
2267 BU225-ONL1		Online	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU227 - Principles of Management (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Provides an introduction to basic principles of management in business and other organizations. Emphasizes management functions including planning, organizing, staffing, directing, controlling and coordinating. Explores the role leaders play in strategic planning, change management, innovation, decision making, and motivating employees/teams.

1654 BU227-HYB1	M	6 p.m. - 9 p.m.	1st 7-week	\$
1655 BU227-ONL1		Online	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU273 - Business Communications (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Emphasizes the theory and practice of oral, written, and interpersonal communication used in the workplace. Classroom activities and assignments will focus on writing business correspondence and reports, planning and delivering effective presentations, and developing teamwork and collaboration skills.

1657 BU273-HYB1	Th	11 a.m. - 12:15 p.m.	15-week	\$
1658 BU273-ONL1		Online	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU281 - Global Awareness in the Work Environment (3)

Gen Ed Emerging Issues: Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Promotes student awareness of the cultural diversity in the workplace whether in the US with multicultural coworkers or abroad. Stresses student thinking about the global work environment by analyzing and applying course information. Utilizes a variety of classroom and Internet activities and projects to develop an understanding of the workplace cultural surroundings.

1659 BU281-HYB1	Tu	12:30 p.m. - 1:45 p.m.	15-week	\$
1660 BU281-ONL1		Online	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU/MA: Business/Mathematics

BU/MA205 - Business Statistics (3)

Gen Ed Math

Prerequisites: (MA 81 or MA 83 or appropriate score on mathematics placement test) and (CIS 101 or CIS 111E or CIS 116E) and (placement in EN 70 or ESL 70 or higher on the reading placement test)

Introductory non-calculus statistics course for business using spreadsheets. Topics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests and non-parametric tests. Students can only receive credit for one of the following: BU/MA 205 or BU/MA 205A. Business Administration students must take BU/MA 205 (not BU/MA 205A).

2065 BU/MA205-1	MW	12:30 p.m. - 1:45 p.m.	15-week	
1316 BU/MA205-2	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
1942 BU/MA205-ONL1		Online	15-week	



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

CAD: Computer Aided Design

CAD101 - Introduction to AutoCAD I (3)

Prerequisite or Corequisite: EN 52 or EN 70 or EN 75 or ESL 99 or ESL 72

Introduces AutoCAD software and its application as a drawing tool. Students will utilize basic AutoCAD commands to create two-dimensional production and architectural drawings. Students will use templates, layer control, dimensioning, editing, text, symbol creation, and blocks to create and modify geometrical designs and print/plot drawings for presentation.

1662 CAD101-HYB1 Th 5 p.m. - 8 p.m. 1st 7-week

CAD102 - Introduction to AutoCAD II (3)

Prerequisite: CAD 101

Continues the study of AutoCAD at an intermediate level. Students will create pictorial views and three dimensional drawings. Students will be introduced to additional CAD systems (Autodesk Architecture, Revit, Civil 3D, and Microstation).

1663 CAD102-HYB1 M 5 p.m. - 8 p.m. 2nd 7-week

CAD130 - Introduction to Revit (BIM) (3)

Prerequisite: EN 70 or EN 51 or ESL 97 or ESL 70

Introduces students to Autodesk Revit software, a Building Information Modeling (BIM) program, and its application as a design/drawing tool throughout the design process. Allows students to design structural components in 3D, annotate with 2D drafting elements, and access building information from the building models database.

2270 CAD130-HYB1 Th 5 p.m. - 8 p.m. 2nd 7-week

CAD200 - Introduction to Architectural Drawing and Design (3)

Prerequisite: CAD 101

Introduces 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.

1664 CAD200-HYB1 W 5 p.m. - 8 p.m. 1st 7-week

CAD201 - 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.

2005 CAD201-HYB1 W 5 p.m. - 8:45 p.m. 1st 7-week

CAD202 - 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.

2272 CAD202-HYB1 W 5 p.m. - 8:45 p.m. 2nd 7-week

CH: Chemistry

CH100 - Chemistry and Society (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

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.

1552 CH100-1LC Th 8 a.m. - 10:35 a.m. 15-week

1553 CH100-11LB Tu 8 a.m. - 10:30 a.m. 15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

CH101 - General Chemistry (4)

Gen Ed Science

Prerequisites: Completion of high school chemistry strongly recommended AND (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 130 or MA 130S or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test OR Prerequisite or Corequisite: MA 111)

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.

1554 CH101-1LC MW 9:30 a.m. - 10:45 a.m. 15-week

1555 CH101-11LB M 11 a.m. - 1:30 p.m. 15-week

1556 CH101-2LC MW 11 a.m. - 12:15 p.m. 15-week

1557 CH101-21LB M 8 a.m. - 10:30 a.m. 15-week

1558 CH101-3LC MW 11 a.m. - 12:15 p.m. 15-week

1559 CH101-31LB W 8 a.m. - 10:30 a.m. 15-week

2337 CH101-4LC MW 12:30 p.m. - 1:45 p.m. 15-week

2338 CH101-41LB M 2 p.m. - 4:30 p.m. 15-week

1560 CH101-5LC MW 12:30 p.m. - 1:45 p.m. 15-week

1561 CH101-51LB W 2 p.m. - 4:30 p.m. 15-week

2262 CH101-6LC MW 2 p.m. - 3:15 p.m. 15-week

1996 CH101-61LB W 11 a.m. - 1:30 p.m. 15-week

1562 CH101-7LC TuTh 9:30 a.m. - 10:45 a.m. 15-week

1563 CH101-71LB Tu 11 a.m. - 1:30 p.m. 15-week

1564 CH101-8LC TuTh 11 a.m. - 12:15 p.m. 15-week

1565 CH101-81LB Th 8 a.m. - 10:30 a.m. 15-week

1566 CH101-9LC TuTh 12:30 p.m. - 1:45 p.m. 15-week

1567 CH101-91LB Tu 2 p.m. - 4:30 p.m. 15-week

1568 CH101-10LC TuTh 2 p.m. - 3:15 p.m. 15-week

1569 CH101-101LB Th 11 a.m. - 1:30 p.m. 15-week

1570 CH101-11LC F 8 a.m. - 10:35 a.m. 15-week

1571 CH101-111B F 11 a.m. - 1:30 p.m. 15-week

1572 CH101-12LC SAT 9 a.m. - 11:45 a.m. 14-week

1573 CH101-121B SAT 12 p.m. - 2:45 p.m. 14-week

1576 CH101-13LC M 5:30 p.m. - 8:05 p.m. 15-week

1577 CH101-131B W 5:30 p.m. - 8 p.m. 15-week

1574 CH101-14LC Tu 6 p.m. - 8:35 p.m. 15-week

1575 CH101-141B Th 6 p.m. - 8:30 p.m. 15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

1578 CH101-ONL1 📺 Online 15-week

CH102 - General Chemistry (4)

Gen Ed 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.

1579 CH102-1LC	MW	2 p.m. - 3:15 p.m.	15-week
1580 CH102-11LB	W	11 a.m. - 1:30 p.m.	15-week
1581 CH102-2LC	TuTh	9:30 a.m. - 10:45 a.m.	15-week
1582 CH102-21LB	Tu	12:30 p.m. - 3 p.m.	15-week
1585 CH102-3LC	TuTh	12:30 p.m. - 1:45 p.m.	15-week
1586 CH102-31LB	Th	9:30 a.m. - 12 p.m.	15-week
1583 CH102-4LC	W	5:30 p.m. - 8 p.m.	15-week
1584 CH102-41LB	M	5:30 p.m. - 8 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

CH201 - Organic Chemistry (4)

Prerequisite: CH 102

Presents the hydrocarbon and derivatives, emphasizing bonding, structure, nomenclature, methods of preparation, reaction and reaction mechanisms. Laboratory emphasizes common techniques, synthesis of representative compounds.

1587 CH201-1LC	TuTh	11 a.m. - 12:15 p.m.	15-week
1588 CH201-11LB	Th	12:30 p.m. - 3:25 p.m.	15-week
2090 CH201-2LC	M	5:30 p.m. - 8:05 p.m.	15-week
2091 CH201-21LB	W	5:30 p.m. - 8:25 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

CH202 - Organic Chemistry (4)

Prerequisite: CH 201

Continues to present the hydrocarbon and derivatives, emphasizing bonding, structure, nomenclature, methods of preparation, reaction and reaction mechanisms. Laboratory emphasizes common techniques, synthesis of representative compounds and qualitative organic analysis.

1589 CH202-1LC	MW	2 p.m. - 3:15 p.m.	15-week
1590 CH202-11LB	M	11 a.m. - 1:55 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

Chemistry Notes:

CH100 - Chemistry and Society offered fall semester only.

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)

Gen Ed Computer Literacy

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Explores the fundamentals of information systems and relevant technologies. This course surveys the terminologies, types, components, functions, architectures, and development life cycle of information systems. Topics include roles, values, impacts, applications, security concerns, social issues, ethics, and responsibilities related to the use of information systems in businesses. Students also learn productivity applications, such as word processing, spreadsheet, presentation, and database software.

1665 CIS101-HYB1	MW	8 a.m. - 9:15 a.m.	13-week	\$
1668 CIS101-HYB2	MW	9:30 a.m. - 10:45 a.m.	13-week	\$
1666 CIS101-HYB3	MW	11 a.m. - 12:15 p.m.	13-week	\$
1667 CIS101-HYB4	MW	12:30 p.m. - 1:45 p.m.	13-week	\$
1669 CIS101-HYB5	W	2 p.m. - 3:15 p.m.	2nd 10-week	\$
1670 CIS101-HYB6	TuTh	8 a.m. - 9:15 a.m.	13-week	\$
1671 CIS101-HYB7	TuTh	9:30 a.m. - 10:45 a.m.	13-week	\$
1672 CIS101-HYB8	TuTh	11 a.m. - 12:15 p.m.	13-week	\$
1673 CIS101-HYB9	TuTh	12:30 p.m. - 1:45 p.m.	13-week	\$
1674 CIS101-HY10	TuTh	2 p.m. - 3:15 p.m.	13-week	\$
1675 CIS101-HY11	F	10 a.m. - 11:55 a.m.	2nd 8-week	\$
1678 CIS101-HY12	M	6:30 p.m. - 8:30 p.m.	2nd 10-week	\$
1677 CIS101-HY13	Tu	6:30 p.m. - 8:30 p.m.	2nd 10-week	\$
1676 CIS101-HY14	W	5:30 p.m. - 7 p.m.	13-week	\$
1679 CIS101-ONL1	📖	Online	1st 10-week	\$
2321 CIS101-ONL2	📖	Online	1st 7-week	\$
1680 CIS101-ONL3	📖	Online	13-week	\$
2183 CIS101-ONL4	📖	Online	2nd 10-week	\$
1681 CIS101-ONL5	📖	Online	2nd 7-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CIS106 - Object Design and Programming (3)

Gen Ed Computer Literacy

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

AND *Prerequisite or Corequisite:* MA 81 or MA 83 or MA 85 or appropriate score on mathematics placement test
Covers basics of object-oriented programming, fundamentals of computer information systems, impact of information technology on the economic, political and cultural development of society as well as the ethical, societal, and legal aspects of information technology. Students will design, implement, document, and debug object-oriented programs to solve problems by utilizing various data types and algorithms, control structures, encapsulation, and inheritance. Students will participate in structured walkthroughs and discussions, create Unified Modeling Language (UML) diagrams in designing solutions, and debug errors within the designed solutions. Requires no prior programming experience.

1682 CIS106-HYB1	MW	9:30 a.m. - 10:45 a.m.	13-week
1683 CIS106-HYB2	MW	11 a.m. - 12:15 p.m.	13-week
1684 CIS106-HYB3	MW	12:30 p.m. - 1:45 p.m.	13-week
1688 CIS106-HYB4	MW	2 p.m. - 3:15 p.m.	13-week
1685 CIS106-HYB5	TuTh	9:30 a.m. - 10:45 a.m.	13-week
1686 CIS106-HYB6	TuTh	11 a.m. - 12:15 p.m.	13-week
1687 CIS106-HYB7	TuTh	12:30 p.m. - 1:45 p.m.	13-week
2118 CIS106-HYB8	F	9:30 a.m. - 11:55 a.m.	2nd 10-week
1689 CIS106-HYB9	M	5 p.m. - 6:30 p.m.	13-week
2072 CIS106-HY10	Tu	7 p.m. - 9 p.m.	2nd 10-week
1968 CIS106-HY11	Th	6:45 p.m. - 8:30 p.m.	13-week
1988 CIS106-ONL1	📖	Online	13-week

CIS107 - Introduction to Programming (2)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75 or ESL 72 or ESL 73


Introduces programming and is aimed at students with no prior programming knowledge or skills. Covers basics of programming including variables, decision-making statements, and iterative statements. Students create logical solutions to novel problems using tools such as pseudocode and flowchart. Students write, test, and run elementary programs to solve problems using a high-level programming language.

2124 CIS107-HYB1	Tu	2 p.m. - 3:30 p.m.	2nd 8-week
2123 CIS107-HYB2	M	6:45 p.m. - 8:15 p.m.	2nd 7-week

CIS111E - Microcomputer Software Applications: Spreadsheets (3)

Prerequisite or Corequisite: CIS 101 or CIS 106 or CIS 116D or CIS 116F


Covers the basic and intermediate features of a commercial spreadsheet software package. Students design a variety of worksheets and charts; create formulas and functions, work with a spreadsheet's database features; apply 'what if' techniques and interchange data with other applications.

1690 CIS111E-HYB1	M	5 p.m. - 6:15 p.m.	2nd 10-week
1691 CIS111E-ONL1		Online	13-week

CIS111L - UNIX/Linux Operating System (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.

1692 CIS111L-HYB1	W	5:30 p.m. - 7 p.m.	13-week
2140 CIS111L-HYB2	W	7:15 p.m. - 8:45 p.m.	13-week
1918 CIS111L-ONL1		Online	2nd 10-week

CIS111M - PC Operating Systems (3)

Prerequisite or Corequisite: CIS 101, CIS 106, CIS 116D, or CIS 212

Explores the installation, configuration, and operations of operating systems. Students learn to set up, configure, troubleshoot, and maintain hardware devices and software applications on an operating system. Completion of this course will help prepare students for the A+ certification exam. It is recommended that students take this course and CIS 212-PC Repair & Diagnostics in the same semester.

1693 CIS111M-HYL1	M	2:30 p.m. - 3:45 p.m.	13-week
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Note: Students must also register for CIS212-HYL1.

2114 CIS111M-HYL2	W	9:30 a.m. - 10:45 a.m.	13-week
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Note: Students must also register for CIS212-HYL2.

1694 CIS111M-HYL3	Tu	5 p.m. - 6:15 p.m.	13-week
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Note: Students must also register for CIS212-HYL3.

1695 CIS111M-HYL4	Th	5:15 p.m. - 6:30 p.m.	13-week
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Note: Students must also register for CIS212-HYL4.

1696 CIS111M-ONLK		Online	13-week
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Note: Students must also register for CIS212-ONLK.

CIS111R - Business Software Applications (3)


Emphasizes an integrated approach. Covers different software applications, from spreadsheet to word processor, to graphs, to the file manager, to communication files. Provides numerous hands-on assignments and exercises. Students gain practical experience using a computer to solve problems that arise in the automated office environment.

1697 CIS111R-ONL1		Online	2nd 10-week
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CIS117 - Data Science Essentials (3)

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)


Introduces concepts and techniques of data collection and discovery as well as computer based data analysis tools. Surveys data wrangling, data journalism, data visualization, big data analytics, and data engineering technologies, such as Hadoop and MapReduce. Topics include the data organization and repository, data science process, inductive data-driven modeling, statistical inference, logistic regression, and exploratory data analysis.

2244 CIS117-ONL1		Online	2nd 7-week
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CIS118 - Data Analytics Using Spreadsheets (3)

Prerequisite or Corequisite: CIS 106 or CIS 111E

Covers the theory and techniques of data modeling and data analysis using spreadsheets. Students learn to summarize data, explore data, produce accumulated data, and visualize data by utilizing spreadsheet software, such as MS Excel.

2245 CIS118-ONL1		Online	2nd 10-week
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CIS119 - Statistical Analysis System (SAS) (3)

Prerequisite: CIS 106

Covers the point-and-click interactive SAS Studio and basics of SAS programming. Students utilize SAS Studio to visualize and summarize data by creating reports, charts, and graphs as well as conduct statistical tests and analysis. Students also learn SAS programming capabilities necessary to process data from a variety of sources and to solve problems.

2247 CIS119-HYB1	W	5:30 p.m. - 7 p.m.	2nd 10-week
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CIS140 - Java Programming (3)

Prerequisite: CIS 106


Introduces Java programming language with an emphasis on object-oriented principles. Students utilize library classes in developing Java standalone applications and applets. Topics include Graphical User Interface (GUI) programming, event-driven programming, inheritance, and polymorphism.

1698 CIS140-HYB1	Th	5 p.m. - 6:30 p.m.	13-week
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CIS170 - Security Fundamentals (3)

Prerequisite or Corequisite: CIS 180 or CIS 190


Provides students with the knowledge and skills to implement, maintain and secure network services, network devices, and network traffic. Builds on foundational network concepts, computer hardware, and operating systems principles.

1699 CIS170-HYB1	W	9:30 a.m. - 11:55 a.m.	2nd 7-week
1700 CIS170-HYB2	Tu	6:30 p.m. - 9 p.m.	2nd 8-week
1701 CIS170-ONL1		Online	2nd 7-week

CIS173 - Healthcare Information Technology (3)

Prerequisite or Corequisite: CIS 101 or CIS 106

Prepares students to become healthcare information technology technicians. Topics covered include healthcare-related regulatory requirements, healthcare terminology/acronyms, medical business operations, electronic health records (EHRs), and healthcare specific security best practices. Students will obtain the knowledge and skills required to implement, deploy, and support health IT systems in medical facilities.

1994 CIS173-ONL1		Online	2nd 7-week
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CIS175 - Game Theory and Design (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Covers game theory and design. Topics include the roles of game designers, game structures and elements as well as game development stages and methods. Students learn about designing, prototyping, and playtesting games.

1702 CIS175-HYB1	Tu	5:30 p.m. - 6:45 p.m.	1st 5-week
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CIS176 - Game Creation (3)

Prerequisite or Corequisite: CIS 116D or CIS 116F (prerequisite only, course no longer offered) or CIS 116P or CIS 101 or CIS 106 or CIS 175

Covers the creation of basic games. This hands-on course guides students step by step through the basics of building interactive games. Students learn to create computer games utilizing current technologies, such as web page design/development languages, animation/simulation software, and game engines.

1703 CIS176-HYB1	Tu	5:30 p.m. - 6:45 p.m.	2nd 10-week
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CIS177 - Interactive 3D Technology (3)

Prerequisite or Corequisite: CIS 116D or CIS 116F (prerequisite only, course no longer offered) or CIS 101 or CIS 106

Surveys the current 3 dimensional (3D) technologies and introduces the design and creation of virtual interactive 3D models. Covered techniques include mesh modeling, texturing, lighting, rigging, animating, and rendering. Students learn to design and develop computer generated interactive 3D worlds using 3D production tools such as Blender.

1704 CIS177-HYB1	Tu	2 p.m. - 4:30 p.m.	1st 7-week
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CIS178 - 3D Modeling and Animation (3)

Prerequisite or Corequisite: CIS 101 or CIS 106 or CIS 177


Introduces fundamentals of creating and animating 3 dimensional (3D) computer modeling. The industry standard 3D modeling and animation software are surveyed and explored. This course covers Autodesk Maya Certified Professional exam topics and objectives. Topics include 3D modeling concepts and 3D animation process. Students learn to create and animate 3D models using 3D modeling tools.

1705 CIS178-HYB1	Tu	2 p.m. - 4:30 p.m.	2nd 8-week
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CIS179 - Cybersecurity Fundamentals (3)

Prerequisite or Corequisite: CIS 106


Introduces the Essential Body of Knowledge for IT security and the fundamentals of cybersecurity, including the cyber architecture, components of security practices, and cybersecurity-related legislative framework. Students learn to identify risks, threats, and vulnerabilities relevant to information technology resources and to analyze the significance of security models and issues associated with security management. Surveys the software lifecycle and software assurance.

1920 CIS179-HYB1	W	12:30 p.m. - 1:45 p.m.	2nd 10-week
1995 CIS179-HYB2	M	5:15 p.m. - 6:45 p.m.	13-week
1706 CIS179-ONL1		Online	2nd 10-week

CIS180 - Networking Fundamentals (3)

Prerequisite: CIS 106 or CIS 111M


Reviews hardware, operating systems, and other networking principles. Includes comprehensive networking skill sets necessary for the CompTIA Network exam.

1707 CIS180-HYB1	W	9:30 a.m. - 11:55 a.m.	1st 7-week
1708 CIS180-HYB2	Tu	6:30 p.m. - 9 p.m.	1st 7-week
1709 CIS180-ONL1		Online	1st 7-week

CIS190 - Cisco 1 Network Fundamentals (3)

Prerequisite or Corequisite: CIS 106 or CIS 212


Covers networking fundamentals, Open Systems Interconnection (OSI) network reference model, and Transmission Control Protocol/Internet Protocol (TCP/IP). Topics include network topologies, protocols, IP addressing, subnet masks, and Ethernet. Students will also learn the basic network design and cable installation.

1710 CIS190-ONL1		Online	1st 7-week
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CIS191 - Cisco 2 Routing Technologies (3)

Prerequisite or Corequisite: CIS 190

Introduces the routing protocols and concepts, as well as the fundamentals of Cisco routers. Students learn to install, configure, customize, operate, maintain, and troubleshoot Cisco routers and relevant components.

1711 CIS191-ONL1		Online	2nd 7-week
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CIS192 - Cisco 3 Switching Technologies (3)

Prerequisite or Corequisite: CIS 191

Surveys switching protocols, Local Area Networks (LANs), and LAN switching. Students will analyze, configure, verify, and troubleshoot routing protocols, including routing for IPv4 and IPv6, EIGRP for IPv4 and IPv6, as well as OSPF for IPv4 and IPv6. This course also covers LAN switch operations and virtual private networks.

1712 CIS192-HYB1	M	5 p.m. - 7:30 p.m.	1st 7-week
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CIS193 - Cisco 4 WAN Technologies (3)

Prerequisite or Corequisite: CIS 192


Introduces the principles and implementation of Wide Area Networks (WANs). Topics include the traffic control and access control lists (ACLs), services and protocols for wide-area access, Point-to-Point (PPP) protocols and WAN, as well as the concepts and operations of frame relay. Students learn to configure, verify, and troubleshoot WANs.

1713 CIS193-HYB1	M	5 p.m. - 7:30 p.m.	2nd 7-week
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CIS200 - IT Support Services (3)

Prerequisite: CIS 101, CIS 106, CIS 111M, or CIS 212

Introduces the fundamentals, operations, roles, and responsibilities of information technology (IT) support services. Students practice problem-solving and communication skills appropriate in the computer user-support environment. Best practices in customer support and professional work habits are emphasized throughout the course. Topics include incident identification, incident management, information collection skills, communication skills, personal skills, technical skills, security skills, troubleshooting skills, training skills, and business skills.

1921 CIS200-ONL1		Online	2nd 7-week
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CIS201 - Computer Science I (4)

Prerequisites: MA 82 or MA 85 or appropriate score on mathematics placement test and [CIS 140 (prerequisite or corequisite) or minimum grade of C in CIS 106]

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.

1715 CIS201-HYB1	M	3 p.m. - 5 p.m.	13-week
1714 CIS201-HYB2	W	5 p.m. - 7 p.m.	13-week

CIS202 - Computer Science II (4)

Prerequisite: Minimum grade of C in 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).

1716 CIS202-HYB1	W	5 p.m. - 7 p.m.	13-week
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CIS203 - Systems Analysis & Design (3)

Prerequisite: CIS 106


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.

1717 CIS203-HYB1	W	2 p.m. - 3:15 p.m.	13-week
2138 CIS203-HYB2	M	5:15 p.m. - 6:30 p.m.	13-week
1922 CIS203-ONL1		Online	2nd 10-week

CIS204 - 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.

1718 CIS204-ONL1		Online	2nd 10-week
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CIS208 - C++ Programming (3)

Prerequisite: CIS 106

Emphasizes object-oriented programming in C++. This course provides a comprehensive coverage of C++ features, including arrays, strings, pointers, references, classes, inheritance, polymorphism, function overloading, function overriding, virtual function, and template. Students learn to design and implement object-oriented programs in C++ programming language.

2001 CIS208-HYB1	Th	6:45 p.m. - 9 p.m.	2nd 10-week
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CIS212 - PC Repair & Diagnostics (3)

Prerequisite or Corequisite: CIS 101, CIS 106, CIS 116D, or CIS 111M

Introduces diagnosis and troubleshooting of personal computers. This course covers the hardware and software troubleshooting techniques, including diagnosis software, board replacement, storage, and memory troubleshooting. Completion of this course will prepare students for the A+ certification exam. It is recommended that students take this course and CIS 111M-PC Operating Systems in the same semester.

1719 CIS212-HYL1	M	3:45 p.m. - 5 p.m.	13-week
2116 CIS212-HYL2	W	10:45 a.m. - 11:55 a.m.	13-week


Note: Students must also register for CIS111M-HYL1.

1720 CIS212-HYL3	Tu	6:15 p.m. - 7:30 p.m.	13-week
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Note: Students must also register for CIS111M-HYL3.

1721 CIS212-HYL4	Th	6:30 p.m. - 7:45 p.m.	13-week
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Note: Students must also register for CIS111M-HYL4.


1722 CIS212-ONLK		Online	13-week
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Note: Students must also register for CIS111M-ONLK.

CIS217 - Cybercrime and Digital Forensics Investigation (3)

Prerequisite: CIS 111L or CIS 111M


Introduces the fundamentals of computer forensics including the techniques and processes involved in identifying, collecting, preserving, and analyzing digital evidence. Surveys the contemporary crime and related legal issues and laws.

1724 CIS217-HYB1	Th	5 p.m. - 6:15 p.m.	13-week
1723 CIS217-ONL1		Online	2nd 10-week

CIS218 - Information Security & Assurance (3)

Prerequisite or Corequisite: CIS 106


Introduces the fundamentals of information security and assurance. Topics include cryptography, security architecture and controls, risk management and governance, disaster recovery planning and management, as well as security frameworks, standards, and policies. Students learn to protect information systems from unauthorized access in order to ensure confidentiality, integrity, and availability.

1725 CIS218-HYB1	Th	6:30 p.m. - 7:45 p.m.	13-week
2324 CIS218-ONL1		Online	2nd 10-week

CIS219 - Ethical Hacking and Systems Defense (3)

Prerequisite: CIS 106

Introduces the fundamentals of protecting information technology resources from cyber attacks. Students learn the tools and penetration testing methodologies used by ethical hackers, as well as the methods and tools to protect against attacks and vulnerabilities. Surveys computer crime-related laws and regulations.

1726 CIS219-HYB1	Th	8 p.m. - 9:15 p.m.	13-week
1727 CIS219-ONL1		Online	2nd 10-week

CIS222 - Computer Organization (4)

Prerequisite: CIS 106

Introduces the organization and essential functions of computer systems. This course surveys the components of computer systems from the architecture point of view and provides an in-depth discussion on topics including central processor unit (CPU) structure, instruction sets, data representation, computer arithmetic, digital logic, memory architectures, and parallel processing. Students will also explore the support of operating systems from programming perspectives.

1728 CIS222-HYB1 W 7:15 p.m. - 8:45 p.m. 2nd 10-week

CIS223 - Cloud Security (3)

Prerequisite or Corequisite: CIS 180 or CIS 190

Introduces the essentials of the cloud security technologies, mechanisms, and standards/frameworks as outlined by Cloud Security Alliance (CSA) and National Institute of Standards and Technology (NIST) Cloud Computing Security Standards. Surveys cloud governance, certification compliance, and accreditation. Students learn to analyze risk in cloud environments and cloud security solutions, create and secure public and private cloud instances, and secure cloud applications.

1729 CIS223-HYB1 M 7 p.m. - 8:45 p.m. 2nd 10-week
1923 CIS223-ONL1 Online 2nd 10-week

CIS225C - Computer Programming Language: Mobile Applet Programming (3)

Prerequisite: CIS 106

Introduces applet programming for mobile devices using the Android operating system.

1924 CIS225C-HYB1 M 7 p.m. - 8:45 p.m. 2nd 10-week

CIS227 - Game Programming (4)

Prerequisite: CIS 106

Covers the development of computer games using a high-level programming language. Introduces the game development aspects and techniques through creation of computer programs. Surveys the current game engines. Students learn to develop computer game programs for specific game engines and platforms.

1730 CIS227-HYB1 Tu 7:15 p.m. - 8:45 p.m. 13-week

CIS228 - Simulation and Game Development (4)

Prerequisite: CIS 106

Covers the development of digital interactive contents used in computer games and computerized simulations. This course introduces students to the current game engines and simulation software used to build comprehensive and interactive computer games and simulations.

2252 CIS228-HYB1 Tu 5 p.m. - 7 p.m. 13-week

CIS230 - Database Management Systems (3)

Prerequisite: CIS 106

Provides an in-depth study of database management systems and the fundamentals of database design and development. Topics include Structure Query Language (SQL), normalization, integrity constraints, data models, and transaction control. Students design and develop databases and database applications utilizing database management systems (DBMS), such as Oracle or Microsoft SQL Server.

1951 CIS230-HYB1 Th 5 p.m. - 6:30 p.m. 2nd 10-week

CIS256 - Statistical Computing (3)

Prerequisite: CIS 106

Covers the R programming language and software development environment for statistical computing. Students learn to develop, test, and run programs in R. Students use R system as a data science tool to process data, manipulate data, and create data science results.

2253 CIS256-HYB1 W 7:15 p.m. - 8:45 p.m. 2nd 10-week

CIS257 - Data Visualization (3)

Prerequisite: CIS 106

Covers the fundamentals and techniques of data visualization. Students learn to effectively communicate data by using data as a pivotal point in the presentation. Students obtain data visualization skills via hands-on activities using data analysis and visualization software tools, such as Tableau.

2255 CIS257-HYB1 Th 6:45 p.m. - 8:30 p.m. 2nd 10-week

CJ: Criminal Justice

CJ101 - Introduction to Criminal Justice (3)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

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.

1780 CJ101-1 MW 11 a.m. - 12:15 p.m. 15-week
2094 CJ101-2 TuTh 12:30 p.m. - 1:45 p.m. 15-week
2240 CJ101-ONL1 Online 13-week

CJ110 - Criminal Law (3)

Prerequisite: EN 101

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.

1781 CJ110-1 TuTh 9:30 a.m. - 10:45 a.m. 15-week
1782 CJ110-2 M 6 p.m. - 8:30 p.m. 15-week

CJ204 - 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.

1784 CJ204-1 W 6 p.m. - 8:30 p.m. 15-week

CJ214 - The Correctional Process (3)

Prerequisites: ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); and CJ 101

Surveys the juvenile and adult correctional process from adjudication through probation or parole.

1783 CJ214-1 MW 12:30 p.m. - 1:45 p.m. 15-week

CJ220 - 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.

1785 CJ220-1 Tu 6 p.m. - 8:30 p.m. 15-week

CMM: Communications Media

CMM101 - Introduction to Electronic Media (3)

Gen Ed Arts

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR Corequisite: EN 75

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.

1134 CMM101-1 MW 8 a.m. - 9:15 a.m. 15-week
2035 CMM101-2 MW 12:30 p.m. - 1:45 p.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

1135 CMM101-3 MW 2 p.m. - 3:15 p.m. 15-week
1136 CMM101-ONL1 Online 15-week

CMM103 - Introduction to Film (3)

Gen Ed Arts

Presents an analytical and interpretative study of film masterworks. Covers the historical development of film from silent short movies to the present and includes an analysis of film from several perspectives: artistic, technological, social and economic.

2036 CMM103-1 MW 9:30 a.m. - 10:45 a.m. 15-week
1137 CMM103-2 M 1 p.m. - 3:30 p.m. 15-week
2320 CMM103-3 TuTh 9:30 a.m. - 10:45 a.m. 15-week
1138 CMM103-4 Tu 6 p.m. - 8:35 p.m. 15-week
1139 CMM103-5 Th 6 p.m. - 8:35 p.m. 15-week
1140 CMM103-ONL1 Online 15-week
1141 CMM103-ONL2 Online 2nd 8-week

CMM105 - Basic Darkroom to Digital Photography (3)

Gen Ed Arts

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or Corequisite: EN 75

Explores photography as a medium for artistic expression through analysis of photographic masterworks and other forms of visual art. Examines standards of professional photography and the means by which photographic works of artistic integrity are identified and comprehended. Presents basic principles of camera work in film and digital formats. Black & white and color printing techniques are also studied. For the beginning photographer.

2327	CMM105-1	Th	9:30 a.m. - 12 p.m.	15-week	\$
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Note: Students must furnish own supplies., 1st 8-weeks held at Hood College, Archaeology Lab, Tatem 228, Darkroom Tatem 301; 2nd 7-weeks held at FCC Main Campus, Room F107

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CMM111 - Communications Graphics I (3)

Level one graphic design. Prepares the student for the print graphic design field through the use of the computer as a tool. The student will be introduced to design vocabulary, methods and technology through lecture, examples and hands-on project work. Emphasizes Adobe Illustrator, Adobe Photoshop, and Adobe InDesign.

1142	CMM111-1	MW	9:30 a.m. - 10:45 a.m.	15-week	\$
1143	CMM111-2	TuTh	11 a.m. - 12:15 p.m.	15-week	\$
1144	CMM111-3	TuTh	12:30 p.m. - 1:45 p.m.	15-week	\$
1145	CMM111-4	TuTh	6 p.m. - 8:50 p.m.	2nd 8-week	\$

\$ No/Low Cost Course: The textbook costs for these courses are under \$40.

CMM112 - 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 prepress. 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.

1158	CMM112-1	MW	11 a.m. - 12:15 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CMM114 - Web Design I (3)

Prerequisite: CMM 111 or CMM 132

Presents beginning level design for the Internet. Taught from a design perspective, students learn software, hardware, and design principles used to produce successful web sites. Assignments include the design and creation of web publications. Lectures cover the study and critique of contemporary web design. Primary Software: HTML, Adobe Dreamweaver, Photoshop and Imageready.

1146	CMM114-1	Th	2 p.m. - 4:30 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CMM115 - Professional and Transfer Portfolio (1)

Prerequisite: CMM 112 or CMM 212

Designed for communications graphics students who are ready to transfer to a Bachelor's program, or are applying for an internship, or are seeking a job. Students will revise existing portfolios and design self-promotion materials including an effective resume and cover letter for the computer graphics profession.

1147	CMM115-1	MW	12:30 p.m. - 1:45 p.m.	2nd 5-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CMM131 - Darkroom Photography I (4)

Provides a basic understanding of photography as technique and craftsmanship, photography in communications, as a method of expression and the scientific basis of photography. Covers the basic techniques with cameras, exposure of film, developing of film, printmaking, composition, light, action photography, manipulation of the image in the darkroom, basic chemistry of photography, sensitometry and color as it is seen. Students provide cameras and accessory equipment.

2325	CMM131-1LC	Tu	6 p.m. - 8:35 p.m.	15-week	\$
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2326	CMM131-1LB	Th	6 p.m. - 8:35 p.m.	15-week	\$
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Note: Students must register for corresponding lecture (LC) and lab (LB)., Course meets at Hood College, Rooms Tatem 228 and Tatem 301

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CMM132 - Digital Photography I (3)

Designed for students interested in digital photographic processes. The class will introduce basic concepts for acquiring digital images and the process of manipulating the image through the use of a Macintosh computer with Adobe Photoshop software. Hands-on instruction with Photoshop will include making selections, cropping images, using paint and editing tools and working with color and brush palettes. A portfolio of digital photographic work will be produced by the end of the semester.

1148	CMM132-1	TuTh	9:30 a.m. - 10:45 a.m.	15-week	\$
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1149	CMM132-2	Tu	2 p.m. - 4:30 p.m.	15-week	\$
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2286	CMM132-3	F	10 a.m. - 12:30 p.m.	15-week	\$
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\$ No/Low Cost Course: The textbook costs for these courses are under \$40.

CMM152 - Digital Studio Production (4)

Develops studio production skills pertaining to camera operation, set design, studio lighting, audio recording, and professional crew roles and responsibilities. Extensive hands-on active learning provides an insight into on set studio productions and real world applications. As a member of a production team, students participate in the design and execution of an effective digital studio production.

1150	CMM152-1C	MW	9 a.m. - 10:40 a.m.	15-week	\$
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1151	CMM152-2C	MW	1 p.m. - 2:40 p.m.	15-week	\$
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1152	CMM152-3C	TuTh	9 a.m. - 10:40 a.m.	15-week	\$
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2319	CMM152-4	M	6 p.m. - 9:20 p.m.	15-week	\$
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\$ No/Low Cost Course: The textbook costs for these courses are under \$40.

CMM252 - Digital Film Production (4)

Prerequisite: CMM 152

Develops digital film production skills pertaining to preproduction, production, and post production. Extensive hands-on active learning provides an insight into script writing, budgeting, scheduling, field production, sound design, and non-linear post production. As a member of a production team, students will be required to create a production book, digital film, and DVD as part of their professional portfolio.

1153	CMM252-1C	MW	9 a.m. - 10:40 a.m.	15-week	\$
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1154	CMM252-2C	MW	1 p.m. - 2:40 p.m.	15-week	\$
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1155	CMM252-3C	TuTh	9 a.m. - 10:40 a.m.	15-week	\$
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\$ No/Low Cost Course: The textbook costs for these courses are under \$40.

CMM254 - Postproduction: The Art of 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 will study various editing styles and philosophies while designing and completing assigned editing projects using professional postproduction software. Effective electronic media management and postproduction processes are emphasized.

1156	CMM254-1C	TuTh	1 p.m. - 2:40 p.m.	15-week	\$
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\$ No/Low Cost Course: The textbook costs for these courses are under \$40.

CMM261 - Advanced Postproduction & Motion Graphics (4)

Prerequisite: CMM 254

Develops advanced skills in digital postproduction and motion graphics through a series of demonstrations and intensive hands-on exercises. By studying various editing styles and philosophies, students will design and complete assigned postproduction projects using professional software packages.

1157	CMM261-1C	TuTh	1 p.m. - 2:40 p.m.	15-week	\$
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\$ No/Low Cost Course: The textbook costs for these courses are under \$40.

CMSP: Communications Speech

CMSP101 - Introduction to Communication Studies (3)

Gen Ed Communications

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR Corequisite: EN 75

Introduces students to the basic theories and practical applications of human communication as it relates to their communication experiences. These include interpersonal situations, intercultural experiences, small group interactions, and public communication. Students will be given opportunities to develop their effectiveness in the speaking-listening communicative setting as well as develop knowledge of the communication process as a system.

1937	CMSP101-1	MW	12:30 p.m. - 1:45 p.m.	15-week	
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2137	CMSP101-2	MW	2 p.m. - 3:15 p.m.	15-week	
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1187	CMSP101-3	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
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2100	CMSP101-4	M	6 p.m. - 8:35 p.m.	15-week	
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CMSP103 - Speech Fundamentals (3)

Gen Ed Communications

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or Corequisite: EN 75

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.

1159	CMSP103-1	MW	8 a.m. - 9:15 a.m.	15-week	\$
1160	CMSP103-2	MW	9:30 a.m. - 10:45 a.m.	15-week	\$
1161	CMSP103-3	MW	11 a.m. - 12:15 p.m.	15-week	\$
1162	CMSP103-4	MW	2 p.m. - 3:15 p.m.	13-week	\$
<i>Note: This web-enhanced course requires completion of selected online assignments.</i>					
1163	CMSP103-5	TuTh	9:30 a.m. - 10:45 a.m.	15-week	\$
2274	CMSP103-6	TuTh	11 a.m. - 12:15 p.m.	13-week	\$
<i>Note: This web-enhanced course requires completion of selected online assignments.</i>					
1164	CMSP103-7	TuTh	12:30 p.m. - 1:45 p.m.	15-week	\$
1165	CMSP103-8	TuTh	2 p.m. - 3:15 p.m.	15-week	\$
1166	CMSP103-9	W	6 p.m. - 8:35 p.m.	15-week	\$
1167	CMSP103-ONL1	📱	Online	15-week	\$

Note: Four mandatory on-campus meetings: Wednesdays, 6 p.m. - 8 p.m. on 9/6, 10/4, 11/1, and 11/29

\$ No/Low Cost Course: The textbook costs for these courses are under \$40.

CMSP103H - Speech Fundamentals (3)

Gen Ed Communications

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or Corequisite: EN 75

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.

1168	CMSP103H-1	TuTh	11 a.m. - 12:15 p.m.	15-week	\$
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\$ No/Low Cost Course: The textbook costs for these courses are under \$40.

CMSP105 - Small Group Communication (3)

Gen Ed Communications; Cultural Competence

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or Corequisite: EN 75

Offers skills development in verbal, non-verbal and intercultural communication, listening, observation, leadership, and participation in groups. Emphasizes collaborative learning through researching and analyzing questions of fact and policy, problem solving and decision making, interacting and reaching consensus.

2033	CMSP105-1	MW	8 a.m. - 9:15 a.m.	15-week	
1169	CMSP105-2	MW	9:30 a.m. - 10:45 a.m.	15-week	
1170	CMSP105-3	MW	11 a.m. - 12:15 p.m.	15-week	
1171	CMSP105-4	MW	11 a.m. - 12:15 p.m.	15-week	
1172	CMSP105-5	MW	12:30 p.m. - 1:45 p.m.	15-week	
2276	CMSP105-6	MW	12:30 p.m. - 1:45 p.m.	15-week	
1173	CMSP105-7	MW	2 p.m. - 3:15 p.m.	15-week	
1174	CMSP105-8	MW	3:30 p.m. - 4:45 p.m.	15-week	
1175	CMSP105-9	TuTh	8 a.m. - 10:35 a.m.	2nd 8-week	
1176	CMSP105-10	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
2275	CMSP105-11	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
1907	CMSP105-12	TuTh	11 a.m. - 12:15 p.m.	15-week	
1178	CMSP105-13	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
2101	CMSP105-14	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
1179	CMSP105-15	TuTh	2 p.m. - 3:15 p.m.	15-week	
1180	CMSP105-16	TuTh	3:30 p.m. - 4:45 p.m.	15-week	
1177	CMSP105-17	Th	11 a.m. - 1:30 p.m.	13-week	

Note: This web-enhanced course requires completion of selected online assignments.

1181 CMSP105-18 F 11 a.m. - 1:30 p.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

1182	CMSP105-19	M	6 p.m. - 8:35 p.m.	15-week	
1184	CMSP105-20	TuTh	6 p.m. - 8:35 p.m.	2nd 8-week	
1183	CMSP105-21	Th	6 p.m. - 8:35 p.m.	15-week	
2277	CMSP105-HYB1	TuTh	7:30 p.m. - 10 p.m.	2nd 7-week	

CMSP107 - Career Communication (3)

Gen Ed Communications

Prerequisite: EN 70 or EN 75 or EN 50A or EN 61 or ESL 95 or ESL 73 or Corequisite: EN 75

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.

1185	CMSP107-1	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
1186	CMSP107-ONL1	📱	Online	15-week	

Note: Mandatory on-campus class session: Saturday, 10/27/17, 8:30 a.m. - 12:30 p.m.

CMSP109 - Basic Conflict Mediation (3)

Gen Ed Communications

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Presents the 7-Step Model of mediation, which includes strategic listening, handling power imbalances, and dealing with intense emotions. Students will engage in role plays and simulations for hands-on experience. Students will also conduct critical analyses of varying conflict resolution theories and mediation styles through discussion and written reflections.

2102	CMSP109-1	F	9:30 a.m. - 2:50 p.m.	2nd 7-week	
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CON: Construction Management

CON101 - Construction Management (3)

Prerequisite or Corequisite: (EN 52 and EN 61) or EN 70 or EN 75 or ESL 99 or (ESL 72 and ESL 73)

Introduces the construction management process, each party's roles and responsibilities, forms of construction management delivery systems, and construction documents. Students will describe the role of the construction manager within the context of ensuring timely, high quality, profitable, and safe construction projects.

1731	CON101-ONL1	📱	Online	15-week	
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CON132 - Materials & Methods of Construction (3)

Prerequisite or Corequisite: (EN 52 and EN 61) or EN 70 or EN 75 or ESL 99 or (ESL 72 and ESL 73)

Provides the construction manager with a fundamental understanding of materials and methods of construction. Emphasizes properties of materials, engineering methods, construction methods, testing methods, and related building codes. This course focuses on soil, earthwork, foundations, paving, concrete, masonry, thermal products, roofing, wood construction, steel construction, exterior and interior finishes, glazing, windows, doors, exterior wall systems, cladding, interior walls/partitions, finish ceilings, and flooring.

1732	CON132-1	Th	5 p.m. - 7:35 p.m.	15-week	
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CON140 - Architectural Blueprint Reading (3)

Prerequisite or Corequisite: (EN 52 and EN 61) or EN 70 or EN 75 or ESL 99 or (ESL 72 and ESL 73)

Introduces basic blueprint and construction document reading methodology. Develops the practice of utilizing construction documents as an important communication tool in the construction process. Areas of focus include views, symbols, scales, dimensions, materials, construction methods, and terminology used in the various disciplines included in construction documents.

2007	CON140-1	M	5 p.m. - 7:35 p.m.	15-week	
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CON203 - Site Management (3)

Prerequisites or Corequisites: CON 101 and CON 132

Examines the principles that apply to planning and managing construction project field operations. Major areas of focus include documentation and recordkeeping, jobsite layout and control, project safety, jobsite labor relations, subcontracting and purchasing, time and cost control, changes and claims, quality management, payments, and project closeout.

1733	CON203-1	Th	5 p.m. - 7:35 p.m.	15-week	
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CON204 - Construction Project Cost Estimating (3)

Prerequisite: (CON 101 or CAD 101) and (MA 80 or appropriate score on mathematics placement test)

Introduces cost estimating concepts and methodologies that apply to the construction industry. Areas of emphasis include estimating techniques, quantity take-off, pricing, material and labor estimation, estimating by division, bidding, and computer applications.

1734	CON204-1	Tu	5 p.m. - 7:30 p.m.	15-week	
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CON206 - Construction Project Scheduling (3)

Prerequisites: CON 101 and CON 140

Introduces the concepts and procedures in preparing a project schedule. Bar charts, critical path method, and computer applications are examined. Students will use sample projects and case studies to apply scheduling concepts.

2008 CON206-1 **W** **5 p.m. - 7:35 p.m.** **15-week**


EC: Economics

EC201 - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Introduces basic concepts, the national accounts, national income analysis, business cycles and the monetary system with an essentially macro-economic approach.

1735 EC201-1	MW	9:30 a.m. - 10:45 a.m.	15-week	\$
1737 EC201-2	TuTh	8 a.m. - 9:15 a.m.	15-week	\$
1738 EC201-3	TuTh	9:30 a.m. - 10:45 a.m.	15-week	\$
1739 EC201-4	TuTh	11 a.m. - 12:15 p.m.	15-week	\$
1736 EC201-HYB1	W	2 p.m. - 3:15 p.m.	15-week	\$
1740 EC201-HYB2	SAT	9 a.m. - 11:35 a.m.	1st 7-week Saturday	\$
1741 EC201-HYB3	M	6 p.m. - 9 p.m.	1st 7-week	\$
1742 EC201-HYB4	Tu	6 p.m. - 9 p.m.	2nd 7-week	\$
1743 EC201-ONL1		Online	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EC201H - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Introduces basic concepts, the national accounts, national income analysis, business cycles and the monetary system with an essentially macro-economic approach.

2201 EC201H-1 **TuTh** **12:30 p.m. - 1:45 p.m.** **15-week** **\$**


\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EC202 - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EC 201

Emphasizes price theory, distribution, international trade and economic development with an essentially micro-economic approach.

1745 EC202-1	MW	9:30 a.m. - 10:45 a.m.	15-week	
1746 EC202-2	TuTh	8 a.m. - 9:15 a.m.	15-week	
2340 EC202-HYB1	SAT	9 a.m. - 11:30 a.m.	2nd 7-week Saturday	\$
1747 EC202-HYB2	M	6 p.m. - 8:30 p.m.	2nd 7-week	\$
1748 EC202-ONL1		Online	15-week	\$


\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

ECD: Early Childhood Development

ECD101 - Introduction to Early Childhood Education (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

1786 ECD101-1	TuTh	9:30 a.m. - 10:45 a.m.	15-week
1787 ECD101-ONL1		Online	15-week

ECD104 - Activities I for Children (3)

Prerequisite: EN 52 or ESL 99 or ESL 72; *Corequisite:* ED 100


Designed to teach the methods and proper use of materials in presenting creative learning experiences to young children in the areas of language, creative dramatics, art, music, movement, math, science, emergent literacy, and outdoor activities. This course meets the state requirements for Office of Child Care Licensing & Credentialing. This course is 45 hours of the 90 hours required for Preschool Lead Teacher. Fifteen hours of documented observation are required.

1788 ECD104-1	MW	11 a.m. - 12:15 p.m.	15-week
1789 ECD104-HYB1	M	6 p.m. - 8:30 p.m.	1st 7-week

ECD106 - Infants & Toddlers Development and Care (3)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or *Corequisite:* EN 75

Examines the best practices designed to meet the needs of infants and toddlers as related to their physical growth and development, mental health, and human relationships. Attention will be given to the family and child's multicultural customs, gender equity, and children with special needs, while insuring quality program development and implementation in out of home care environments. Content will focus on the caregiver, the child, and the program being provided to meet the learning needs of the infant and toddler. This course meets the state requirements of Office of Child Care Licensing and Credentialing for Infant/Toddler Lead Teacher.

1790 ECD106-ONL1  **Online** **2nd 8-week**

ECD107 - Child Health, Safety and Nutrition (3)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or *Corequisite:* EN 75


Presents a survey of the health, safety and nutritional needs of young children. Includes required state and federal codes. Emphasizes the establishment and maintenance of a safe and healthy learning environment.

2312 ECD107-ONL1  **Online** **15-week**

ECD108 - Activities for the School-Age Child (3)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or *Corequisite:* EN 75

Examines developmentally appropriate principles, materials, and methods used with school age children ages 6 to 12. Specific consideration given to planning activities for school age child care. Students plan and present lessons in the areas of physical, cognitive, and social development. This course meets the state requirements of Office of Child Care Licensing and Credentialing for School Age Teacher.

2108 ECD108-ONL1  **Online** **1st 7-week**

ECD210 - Directed Practicum in Early Childhood (3)

Prerequisites: Successful completion (grade of C or higher) of ED 100, ED 203 or ECD 110, ECD 101, ECD 104, ECD 106 and ECD 213

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).


1791 ECD210-1 **Tu** **9 a.m. - 1 p.m.** **15-week**

ED: Education

ED100 - Child Development & Behavior (3)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Introduces basic growth and developmental principles necessary to work with young children from birth to twelve years old. Emphasizes the social, emotional, physical, and cognitive developmental stages of the young child. This course meets the Maryland State Department Office of Child Care Licensing & Credentialing requirements. This course is 45 hours of the 90 hours required for Preschool Lead Teacher.

1792 ED100-1	MW	9:30 a.m. - 10:45 a.m.	15-week
1801 ED100-ONL1		Online	15-week



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

ED102 - Schools and Society (3)

Gen Ed Education

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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. Fifteen hours of documented observation are required.

1794 ED102-1	MW	11 a.m. - 12:15 p.m.	15-week
1793 ED102-2	TuTh	12:30 p.m. - 1:45 p.m.	15-week
2145 ED102-3	TuTh	2 p.m. - 3:15 p.m.	15-week
1795 ED102-ONL1	📖	Online	15-week

ED202 - Educational Psychology (3)

Prerequisites: EN 70 or EN 75 or EN 50A or EN 61 or ESL 95 or ESL 73, 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.) Fifteen hours of documented observation are required.

2095 ED202-1C	MW	2 p.m. - 3:15 p.m.	15-week
1796 ED202-ONL1	📖	Online	15-week

ED202H - Educational Psychology (3)

Prerequisites: EN 70 or EN 75 or EN 50A or EN 61 or ESL 95 or ESL 73, 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.) Fifteen hours of documented observation are required.

2334 ED202H-1C	MW	2 p.m.-3:15 p.m.	15-week
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ED203 - Foundations of Special Education (3)

Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.) Fifteen hours of documented observation are required.

1797 ED203-1	MW	9:30 a.m. - 10:45 a.m.	15-week
1798 ED203-ONL1	📖	Online	15-week

ED214 - 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.

1799 ED214-1	MW	12:30 p.m. - 1:45 p.m.	15-week	\$
1800 ED214-ONL1	📖	Online	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

ED/PS: Education/Psychology

ED/PS208 - Human Growth and Development (3)

Gen Ed Education

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

1802 ED/PS208-1	MW	8 a.m. - 9:15 a.m.	15-week	
1803 ED/PS208-2	MW	11 a.m. - 12:15 p.m.	15-week	
1804 ED/PS208-3	MW	12:30 p.m. - 1:45 p.m.	15-week	
2079 ED/PS208-4C	MW	2 p.m. - 3:15 p.m.	15-week	\$
1805 ED/PS208-5	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
1806 ED/PS208-6	TuTh	11 a.m. - 12:15 p.m.	15-week	
2336 ED/PS208-7	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
1807 ED/PS208-8	M	6 p.m. - 8:30 p.m.	15-week	
1808 ED/PS208-ONL1	📖	Online	13-week	\$
2243 ED/PS208-ONL2	📖	Online	15-week	\$
1809 ED/PS208-ONL3	📖	Online	2nd 8-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

ED/PS208H - Human Growth and Development (3)

Gen Ed Education

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

2335 ED/PS208H-4C	MW	2 p.m. - 3:15 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EG: Engineering

EG100 - Introductory Engineering Science (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), 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.

1591 EG100-1	M	11:30 a.m. - 2:05 p.m.	15-week	\$
2139 EG100-2	Th	6 p.m. - 8:35 p.m.	15-week	\$

Note: Class held at the FCC Monroe Center

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EG110 - 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.

1592 EG110-1	MW	11 a.m. - 12:15 p.m.	15-week
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Engineering Notes:

EG110 - Engineering Statics offered fall semester only.

EG210 - Mechanics of Materials offered spring semester only.

EG211 - Engineering Dynamics offered spring semester only.


EM: Emergency Management

EM101 - Disaster, Crisis, and Emergency Management (3)

Gen Ed Emerging Issues

Prerequisite: EN 70 OR *Prerequisites or Corequisites:* EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces students to the dynamic and relevant world of disaster, crisis, and emergency management. Conducts a review of the history, social, political, and economic implications of disasters, giving students the opportunity to explore the world of Emergency Management and experience the satisfaction of serving, survivability, and the heartache of devastation. Provides experience with effective writing, critical thinking, and historical and social awareness as students examine the emergencies of past, present, and future.

1892 EM101-1	TuTh	11 a.m. - 12:15 p.m.	15-week
1893 EM101-ONL1		Online	15-week

EM104 - Disaster Response and Recovery (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Provides students with an understanding of disaster response and recovery operations in emergency management. Students will examine the nature of emergencies and disasters, identify the human responses in the disaster process, assess current procedures for response operations, and review recovery policies, programs, and methods to promote the return to normalcy.

2106 EM104-ONL1		Online	15-week
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EM111 - Preparing and Securing the Homeland (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Provides students with a thorough understanding of the strategic, political, legal, and organizational challenges associated with the protection of the U.S. homeland. Examines the range of potential threats to the U.S. homeland, including the historical foundation of terrorism. Introduces the role of emergency management in the response to the growing threat of domestic and international terrorism. Focuses on the implications of homeland security challenges and policies for constitutional rights, legal protections, and civil liberties.

1891 EM111-ONL1		Online	15-week
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EM130 - Integrated Emergency Management (3)

Prerequisite or Corequisite: EM 101 or ID 225 or FSA 107

Provides students with an understanding of the concept of Integrated Emergency Response to disasters and other critical incidents. Students examine the role of Integrated Emergency Preparedness in the government environment, and expand the understanding to public-private cooperation in emergency management.

2019 EM130-ONL1		Online	15-week
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EM201 - Public Safety GIS and Technology (3)

Prerequisite or Corequisite: EM 101 or ID 225 or FSA 107

Introduces students to the technologies, applications, and tools relevant to the current emergency management professional environment. Explores the impact of a rapidly improving technological environment on all phases of the emergency management process and discusses potential means of leveraging technology to improve known deficiencies. Focuses intensively on the applications of Geographic Information Systems (GIS) technology with a view to preparing students for its necessary use in emergency management careers. Offers experience in working with, creating, and interpreting GIS maps and other visual products. Discusses the future changes and challenges facing the emergency management discipline as a result of continued technological growth.

2020 EM201-ONL1		Online	15-week
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EM220 - Emergency Management Planning (3)

Prerequisite or Corequisite: EM 130

Provides a thorough understanding of risk management, operational planning, and strategic planning as applied in current emergency management policy. Teaches evaluation and use of current policy tools to determine risk vulnerabilities and capabilities, critically evaluate an emergency operations plan, identify the components of an emergency operations plan, and assess the purpose of strategic planning.

2308 EM220-1	W	5 p.m. - 7:30 p.m.	15-week
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EM297 - Emergency Management Capstone (3)

Prerequisite: EN 101; *Prerequisite or Corequisite:* EM 220 and EM 221

As the culminating experience for the Emergency Management Track II major, this course enables students to exercise critical thinking and evaluation skills, while applying comprehension of the emergency management discipline. Students will write a research paper, under the supervision of a faculty mentor, which demonstrates the ability to analyze and synthesize the theories and practices to reduce vulnerability to hazards and mitigate disasters.

2309 EM297-HYB1	M	5 p.m. - 7:30 p.m.	15-week
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EN: English

EN70 - Introduction to College Reading and Writing (0) [6]

Prerequisite: Appropriate scores on the reading and writing placement tests

Provides extended practice with academic writing based on college-level texts. The course stresses the interaction between critical reading, writing, and thinking. The course offers structured practice and support with writing academic essays, improving reading comprehension, and increasing critical reading skills to succeed in future college academic tasks. Students are guided to become flexible, confident, and independent readers and writers.

2046 EN70-1	MTuWTh	9:30 a.m. - 10:45 a.m.	15-week	\$
2143 EN70-2	MTuWTh	11 a.m. - 12:15 p.m.	15-week	\$
2047 EN70-3	MTuWTh	12:30 p.m. - 1:45 p.m.	15-week	\$
2048 EN70-4	MW	6 p.m. - 8:30 p.m.	15-week	\$

No/Low Cost Course Section: The textbook costs for this course are under \$40.

EN75 - Reading and Writing in the Academic Disciplines (0) [4]

Prerequisite: EN 51 or appropriate scores on the reading and writing placement tests

Promotes the integrated approach to the development of active reading and writing strategies for the tasks and texts students encounter in college. The course stresses the interaction among the reader, the text, and the context and one's ability to critically respond to a variety of writing situations. The course addresses whole discourse and sentence-level matters. Students are guided to become independent readers and writers.

2049 EN75-1	MW	9 a.m. - 10:40 a.m.	15-week	\$
2051 EN75-2	MW	11 a.m. - 12:40 p.m.	15-week	\$
2053 EN75-3	MW	11 a.m. - 12:40 p.m.	15-week	\$
2136 EN75-4	MW	1 p.m. - 2:40 p.m.	15-week	\$
2141 EN75-5	MW	1 p.m. - 2:40 p.m.	15-week	\$
2151 EN75-6	MW	1 p.m. - 3:30 p.m.	1st 10-week	\$
2144 EN75-7	MW	3 p.m. - 4:40 p.m.	15-week	\$
2050 EN75-8	TuTh	9 a.m. - 10:40 a.m.	15-week	\$
2052 EN75-9	TuTh	11 a.m. - 12:40 p.m.	15-week	\$
2054 EN75-10	TuTh	11 a.m. - 12:40 p.m.	15-week	\$
2055 EN75-11	TuTh	1 p.m. - 2:40 p.m.	15-week	\$
2147 EN75-12	TuTh	1 p.m. - 2:40 p.m.	15-week	\$
2153 EN75-13	TuTh	1 p.m. - 2:40 p.m.	15-week	\$
2178 EN75-14	TuTh	3 p.m. - 4:40 p.m.	15-week	\$
2109 EN75-15	TuTh	3 p.m. - 5:30 p.m.	2nd 10-week	\$
2056 EN75-16	MW	6 p.m. - 7:40 p.m.	15-week	\$
2135 EN75-17	MW	6 p.m. - 7:40 p.m.	15-week	\$
2057 EN75-18	TuTh	6 p.m. - 7:40 p.m.	15-week	\$
2149 EN75-19	TuTh	6 p.m. - 7:40 p.m.	15-week	\$
2152 EN75-HYB1	Tu	5:30 p.m. - 7:10 p.m.	15-week	\$

No/Low Cost Course Section: The textbook costs for this course are under \$40.



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

EN101 - English Composition (3)

Gen Ed English

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)
Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.

1372	EN101-1	MW	8 a.m. - 9:15 a.m.	15-week	
1373	EN101-2	MW	8 a.m. - 9:15 a.m.	15-week	
1375	EN101-3	MW	8 a.m. - 9:15 a.m.	15-week	
1374	EN101-4	MW	9 a.m. - 10:15 a.m.	13-week	

Note: This web-enhanced course requires completion of selected online assignments.

1376	EN101-5	MW	9:30 a.m. - 10:45 a.m.	15-week	
1377	EN101-6	MW	9:30 a.m. - 10:45 a.m.	15-week	
1378	EN101-7	MW	11 a.m. - 12:15 p.m.	15-week	
1379	EN101-8	MW	11 a.m. - 12:15 p.m.	15-week	
1380	EN101-9	MW	12:30 p.m. - 1:45 p.m.	15-week	
1381	EN101-10	MW	12:30 p.m. - 1:45 p.m.	15-week	
1382	EN101-11	MW	12:30 p.m. - 1:45 p.m.	15-week	
2154	EN101-12	MW	2 p.m. - 3:15 p.m.	13-week	




Note: This web-enhanced course requires completion of selected online assignments.

1383	EN101-13	MW	2 p.m. - 3:15 p.m.	15-week	
1384	EN101-14	MW	2 p.m. - 3:15 p.m.	15-week	
1385	EN101-15	MW	3:30 p.m. - 4:45 p.m.	15-week	
1386	EN101-16	MW	3:30 p.m. - 5:50 p.m.	2nd 8-week	
1387	EN101-17	TuTh	8 a.m. - 9:15 a.m.	15-week	
2081	EN101-18	TuTh	8 a.m. - 9:15 a.m.	15-week	
1389	EN101-19	TuTh	9 a.m. - 10:15 a.m.	15-week	
1388	EN101-20	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
2239	EN101-21	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
1390	EN101-22	TuTh	11 a.m. - 12:15 p.m.	15-week	
1391	EN101-23	TuTh	11 a.m. - 12:15 p.m.	15-week	
1392	EN101-24	TuTh	11 a.m. - 12:15 p.m.	13-week	



Note: This web-enhanced course requires completion of selected online assignments.

1393	EN101-25	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
1394	EN101-26	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
1395	EN101-27	TuTh	2 p.m. - 3:15 p.m.	15-week	
2238	EN101-28	TuTh	2 p.m. - 3:15 p.m.	15-week	
1396	EN101-29	TuTh	3:30 p.m. - 4:45 p.m.	15-week	
2237	EN101-30	TuTh	3:30 p.m. - 4:45 p.m.	15-week	
2170	EN101-31	TuTh	3:30 p.m. - 4:45 p.m.	13-week	

Note: This web-enhanced course requires completion of selected online assignments.

1397	EN101-32	F	9 a.m. - 11:30 a.m.	15-week	
1398	EN101-33	SAT	9 a.m. - 11:45 a.m.	14-week	
1399	EN101-34	M	6 p.m. - 8:30 p.m.	15-week	
1400	EN101-35	Tu	6 p.m. - 8:30 p.m.	15-week	
1401	EN101-36	W	6 p.m. - 8:30 p.m.	15-week	
1402	EN101-37	Th	6 p.m. - 8:30 p.m.	15-week	
2236	EN101-HYB1	Tu	6 p.m. - 7:15 p.m.	15-week	\$
1403	EN101-ONL1		Online	15-week	
1404	EN101-ONL2		Online	15-week	
1405	EN101-ONL3		Online	1st 8-week	\$

Note: Open to all students who meet the requirements of EN 101 irrespective of students' major; students in business-related programs are encouraged to enroll

1406	EN101-ONL4		Online	2nd 8-week	
2179	EN101-ONL5		Online	2nd 8-week	

Note: Students must register for corresponding EN 101 and ACE 100 linked (LK) section.

1407	EN101-LK1	MW	8 a.m. - 9:15 a.m.	15-week	
1414	ACE100-LK1	MW	9:30 a.m. - 10:20 a.m.	15-week	\$
1408	EN101-LK2	MW	10:30 a.m. - 11:45 a.m.	15-week	
1415	ACE100-LK2	MW	12 p.m. - 12:50 p.m.	15-week	\$
1969	EN101-LK3	MW	10:30 a.m. - 11:45 a.m.	15-week	
1972	ACE100-LK3	MW	12 p.m. - 12:50 p.m.	15-week	\$
1409	EN101-LK4	MW	1 p.m. - 2:15 p.m.	15-week	
1416	ACE100-LK4	MW	2:30 p.m. - 3:20 p.m.	15-week	\$
1971	EN101-LK5	MW	1 p.m. - 2:15 p.m.	15-week	
1974	ACE100-LK5	MW	2:30 p.m. - 3:20 p.m.	15-week	\$

1410	EN101-LK6	TuTh	8 a.m. - 9:15 a.m.	15-week	
1417	ACE100-LK6	TuTh	9:30 a.m. - 10:20 a.m.	15-week	\$
1411	EN101-LK7	TuTh	10:30 a.m. - 11:45 a.m.	15-week	
1418	ACE100-LK7	TuTh	12 p.m. - 12:50 p.m.	15-week	\$
1970	EN101-LK8	TuTh	10:30 a.m. - 11:45 a.m.	15-week	
1973	ACE100-LK8	TuTh	12 p.m. - 12:50 p.m.	15-week	\$
1412	EN101-LK9	TuTh	1 p.m. - 2:15 p.m.	15-week	
1419	ACE100-LK9	TuTh	2:30 p.m. - 3:20 p.m.	15-week	\$
1413	EN101-LK10	TuTh	6 p.m. - 7:15 p.m.	15-week	
1420	ACE100-LK10	TuTh	7:25 p.m. - 8:15 p.m.	15-week	\$





\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EN102 - English Composition and Literature (3)

Gen Ed Humanities; Gen Ed Communications

Prerequisite: EN 101

Reinforces, through an examination of literature, the reading, writing, critical thinking, and information literacy skills introduced in English Composition. By exploring literary texts from fiction, poetry, and drama, students learn to clarify their own values and identities as well as develop a better understanding of ideas and cultures beyond their own experience.

1424	EN102-1	MW	8 a.m. - 9:15 a.m.	15-week	
1425	EN102-2	MW	9:30 a.m. - 10:45 a.m.	15-week	
1426	EN102-3	MW	11 a.m. - 12:15 p.m.	13-week	
<i>Note: This web-enhanced course requires completion of selected online assignments.</i>					
1427	EN102-4	MW	12:30 p.m. - 1:45 p.m.	15-week	
1428	EN102-5	MW	2 p.m. - 3:15 p.m.	15-week	
1429	EN102-6	TuTh	9:30 a.m. - 10:45 a.m.	15-week	
1430	EN102-7	TuTh	11 a.m. - 12:15 p.m.	15-week	
1431	EN102-8	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
1432	EN102-9	TuTh	2 p.m. - 3:15 p.m.	15-week	
1435	EN102-10	M	6 p.m. - 8:30 p.m.	15-week	
2342	EN102-HYB1	M	7:30 p.m. - 8:45 p.m.	15-week	
1436	EN102-ONL1		Online	15-week	
1437	EN102-ONL2		Online	15-week	
1438	EN102-ONL3		Online	1st 8-week	
1434	EN102-ONL4		Online	2nd 8-week	

EN101H - English Composition (3)

Gen Ed English

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)
Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.

1421	EN101H-1	MW	9:30 a.m. - 10:45 a.m.	15-week	
1422	EN101H-2	MW	12:30 p.m. - 1:45 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EN203 - American Literature Pre-Colonial through Civil War Periods (3)

Gen Ed Humanities

Prerequisite: EN 101

Surveys American literature from its pre-contact beginnings. Culture clash, settlement, rebellion, and the rise of a democratic republic are explored through histories, diaries, sermons, pamphlets, poetry, essays, and fiction.

1440	EN203-1	MW	12:30 p.m. - 1:45 p.m.	15-week	
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EN205 - World Literature through 1650 C.E. (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: EN 101

Surveys selected works of western and non-western literature from their beginnings through 1650 C.E. Cultural and historical contexts are explored through a wide range of literary forms.

2299	EN205-1	TuTh	2 p.m. - 3:15 p.m.	15-week	
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EN210 - Creative Writing (3)

Prerequisite: EN 101

Introduces skills of writing fiction and/or poetry and/or creative nonfiction. The complexities of creative writing as a craft and an art are explored through analysis of representative works, study of techniques, and extensive practice.

1442	EN210-1	MW	2 p.m. - 3:15 p.m.	15-week	
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EN216 - The Short Story (3)

Gen Ed Humanities

Prerequisite: EN 101

Surveys a wide variety of short stories that explore themes relevant to life experiences. Analyzes the elements of the short story with emphasis on thematic development and relevance of the stories to life experiences in a variety of cultures and nations.

1919 EN216-ONL1  **Online** **15-week**

EN219 - Technical Writing (3)

Prerequisite: EN 101

Develops the skills necessary for effective business, scientific and technical communication through situational writing. Includes work in audience analysis, letter and resume writing, informal and formal reports, graphics and presentations.

1439 EN219-ONL1  **Online** **15-week**

EN223 - Classical Mythology (3)

Gen Ed 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.

1444 EN223-1 **W** **6 p.m. - 8:30 p.m.** **15-week**

EN227 - Literature: Multicultural Perspectives (3)

Gen Ed Humanities; 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 historically underrepresented groups.

1445 EN227-1 **TuTh** **12:30 p.m. - 1:45 p.m.** **15-week**

EN231 - English Language Studies (3)

Gen Ed 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.

1446 EN231-ONLC  **Online** **15-week**

EN231H - English Language Studies (3)

Gen Ed 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.

1447 EN231H-ONLC  **Online** **15-week**

EN/CMM: English & Communications

EN/CMM241 - Journalism Publication Practicum (3)

Gen Ed Humanities; Cultural Competence; Gen Ed Communications

Prerequisite: EN 101

Provides instruction and laboratory experience in writing, editing, designing, and publishing print and digital content for The Commuter. Students receive practical experience in journalistic and social media content, curation, editing, design, photography, and digital production using industry standard software. Students will create and produce three journalistic publications per semester.

1443 EN/CMM241-1 **MW** **2 p.m. - 3:15 p.m.** **15-week**

ESL: ESL (English as a Second Language)

ESL70 - Academic Reading I (0) [4]

Prerequisite: Placement on the college's ESL assessment (LOEP)

Designed for students whose native language is not English, but who have a working knowledge of the English language. This course focuses on developing the strategies, vocabulary, and fluency necessary for comprehension of academic texts.

1448 ESL70-1	TuTh	9 a.m. - 10:45 a.m.	15-week
2235 ESL70-2	SAT	9 a.m. - 12:30 p.m.	14-week
1985 ESL70-3	TuTh	6 p.m. - 7:55 p.m.	13-week

Note: All ESL courses will require approval for Fall registration. Online registration will not be available for ESL courses.

ESL71 - Academic Grammar & Writing I (0) [4]

Prerequisite: Placement on the college's ESL assessment (LOEP)

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 grammar and writing with emphasis on developing the grammar proficiency for academic writing necessary for success in subsequent ESL courses.

1449 ESL71-1	MW	9 a.m. - 10:45 a.m.	15-week
1986 ESL71-2	MW	6 p.m. - 7:55 p.m.	13-week

Note: All ESL courses will require approval for Fall registration. Online registration will not be available for ESL courses.

ESL72 - Academic Reading II (0) [4]

Prerequisites: (ESL 70 and ESL 71) or (ESL 98 and ESL 95) or placement on the college's ESL assessment (LOEP);

Corequisite: ESL 73

Designed for students whose native language is not English, but who have advanced knowledge of the English language. This course focuses on developing proficiency in the employment of reading strategies and usage, and comprehension of college-level vocabulary necessary for success in credit courses.

Placement is based upon students' performance on the college's ESL assessment.

1450 ESL72-1	MW	10:30 a.m. - 12:15 p.m.	15-week
1987 ESL72-2	SAT	9 a.m. - 12:30 p.m.	14-week
1451 ESL72-3	TuTh	6 p.m. - 7:55 p.m.	13-week

Note: All ESL courses will require approval for Fall registration. Online registration will not be available for ESL courses.

ESL73 - Academic Grammar & Writing II (0) [4]

Prerequisites: (ESL 70 and ESL 71) or (ESL 98 and ESL 95) or placement on the college's ESL assessment (LOEP);

Corequisite: ESL 72

Designed for students whose native language is not English, but who have advanced knowledge and understanding of the English language. Includes integrated instruction in grammar and writing with an emphasis on developing grammatical variety and sophistication for academic communication as well as an introduction to integrating sources in academic essay writing.

1452 ESL73-1	TuTh	9 a.m. - 10:45 a.m.	15-week
1453 ESL73-2	MW	6 p.m. - 7:55 p.m.	13-week

Note: All ESL courses will require approval for Fall registration. Online registration will not be available for ESL courses.

FSA: Fire Service Administration

FSA101 - Fire Protection Systems (3)

Prerequisite: EN 70 OR Prerequisites or Corequisites: EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Provides information relating to the design features and operation of fire alarm systems. Design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, special hazard fire suppression systems, water supply for fire protection, and evaluation of sprinkler system designs will be examined.

1925 FSA101-1	F	8 a.m. - 11 a.m.	15-week
1926 FSA101-2	Th	7 p.m. - 10 p.m.	15-week

FSA103 - Fire Investigation and Analysis (3)

Prerequisite: EN 70 OR Prerequisites or Corequisites: EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Examines technical, investigative, legal, and managerial approaches to arson. Includes the fundamentals needed for proper fire science interpretation, recognition of origin and cause, preservation and documentation of evidence, scene security, motives of the fire setter, and types of fire causes.

1927 FSA103-1	M	8 a.m. - 11 a.m.	15-week
1928 FSA103-2	Tu	8 a.m. - 11 a.m.	15-week


GG: Geography

GG101 - Elements of Geography (3)

Gen Ed Geography

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Explores elements of man's environment and the changes resulting from natural and human agents. Includes map reading and interpretation.


1811 GG101-1	MW	9:30 a.m. - 10:45 a.m.	15-week
1812 GG101-ONL1		Online	13-week

GG102 - Cultural Geography (3)

Gen Ed Geography; Cultural Competence

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Studies man in his regional settings, with emphasis on the interrelationships of physical and cultural phenomena.

1813 GG102-1	TuTh	11 a.m. - 12:15 p.m.	15-week
1814 GG102-ONL1		Online	13-week





HE: Health Education

HE102 - Nutrition in a Changing World (3)

Gen Ed Wellness


Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75

Presents the basic principles of human nutrition with emphasis on the nutrients and factors that affect their use in the human body.

1001 HE102-1	MW	9:30 a.m. - 10:45 a.m.	15-week
1002 HE102-2	MW	12:30 p.m. - 1:45 p.m.	15-week
1003 HE102-3	MW	2 p.m. - 3:15 p.m.	15-week
1005 HE102-4	TuTh	11 a.m. - 1:30 p.m.	2nd 7-week
1004 HE102-5	TuTh	2 p.m. - 3:15 p.m.	15-week
2297 HE102-6	F	9:30 a.m. - 12 p.m.	15-week
1006 HE102-7	M	5 p.m. - 7:35 p.m.	15-week
1007 HE102-ONL1		Online	15-week
1008 HE102-ONL2		Online	15-week
1009 HE102-ONL3		Online	1st 8-week
1010 HE102-ONL4		Online	2nd 8-week

HE110 - Nutrition Basics (1)

Applies a basic knowledge of nutrition to enable the students to make good dietary decisions. Provides a basis for discerning healthy diets.

1011 HE110-1	Th	11 a.m. - 1 p.m.	2nd 7-week
1012 HE110-ONL1		Online	1st 7-week

HE115 - Stress Management Techniques (1)

Introduces the basic concepts of stress management and focuses on coping strategies and techniques to reduce stress.

1013 HE115-1	F	9:30 a.m. - 11:30 a.m.	2nd 7-week
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HE120 - CPR/AED and Basic First Aid (1)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces the student to the basics of emergency first aid treatment and safety. Students successfully completing this course will receive the American Heart Association (AHA) HeartSaver certification in First Aid, Cardio Pulmonary Resuscitation (CPR), and Automated External Defibrillator (AED).

1014 HE120-1	TuTh	11 a.m. - 12:15 p.m.	2nd 7-week
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HE130 - Advanced Tai Chi - Cultural Perspective (3)

Cultural Competence

Introduces the traditional Chinese meditative exercise known as Tai Chi. While participating in the low intensity physical skills that comprise Tai Chi, students will be introduced to the culture, philosophy, history, and practice of the exercise.

2039 HE130-1	MW	9:30 a.m. - 10:45 a.m.	13-week
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HE200 - Principles and Application of Nutrition (3)

Prerequisites: One semester of college biology either BI 100, BI 101, BI 103 or BI 107

Introduces the principles of nutrition for the maintenance of good health throughout the life-cycle. Applications of nutritional principles are presented via the connection between diet and the prevention and treatment of disease. Investigates the socioeconomic, ecological and political factors that shape national nutritional policy and ultimately affect personal health.



2038 HE200-1	TuTh	11 a.m. - 1:30 p.m.	1st 8-week
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HE201 - Stress Management (3)

Gen Ed Wellness

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75

Examines current theories regarding the nature and sources of stress in life. Students are introduced to the physiology and psychology of stress. A variety of stress management techniques and coping strategies are explored.

1015 HE201-1	MW	11 a.m. - 12:15 p.m.	15-week
1016 HE201-2	M	1 p.m. - 3:30 p.m.	15-week
2298 HE201-3	TuTh	8 a.m. - 9:15 a.m.	15-week
1017 HE201-4	TuTh	12:30 p.m. - 1:45 p.m.	15-week
1018 HE201-5	TuTh	2 p.m. - 3:15 p.m.	15-week
1019 HE201-6	Tu	5 p.m. - 7:35 p.m.	15-week
2341 HE201-HYB1	Tu	7:30 p.m. - 8:50 p.m.	1st 8-week
1020 HE201-ONL1		Online	15-week
1021 HE201-ONL2		Online	15-week

HE204 - Health Education (3)

Gen Ed Wellness

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75

Covers basic areas of health, including mental health, fitness, nutrition, weight control, sexual health, drugs and alcohol, disease and consumer and environmental health.

1022 HE204-1	MW	12:30 p.m. - 1:45 p.m.	15-week
1023 HE204-2	TuTh	9:30 a.m. - 10:45 a.m.	15-week
1024 HE204-3	TuTh	11 a.m. - 12:15 p.m.	15-week
1025 HE204-4	Tu	1 p.m. - 3:30 p.m.	15-week
1026 HE204-ONL1		Online	15-week


HI: History

HI101 - History of Western Civilization (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Surveys the development of Western civilization from ancient times to 1500.

1815 HI101-1	MW	8 a.m. - 9:15 a.m.	15-week
1817 HI101-2	TuTh	11 a.m. - 12:15 p.m.	15-week
1818 HI101-ONL1		Online	13-week

HI102 - History of Western Civilization (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Covers Western history from 1500 to the present.

1819 HI102-1	TuTh	11 a.m. - 12:15 p.m.	15-week
1820 HI102-2	TuTh	2 p.m. - 3:15 p.m.	13-week

Note: This web-enhanced course requires completion of selected online assignments.

HI121 - World History I (3)

Gen Ed History; Cultural Competence

Prerequisite: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Examines the rise and development of agriculture, the development of primary states, secondary states and empires, and the origins and spread of monotheistic culture. This course is a survey of World History from its foundation through 1500.

2333 HI121-1	TuTh	12:30 p.m. - 1:45 p.m.	15-week
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HI201 - History of the United States (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Examines the economic, political and social forces that have shaped the patterns of life, institutions and thought in the United States through the Civil War.

1821 HI201-1 MW 9:30 a.m. - 10:45 a.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

1822 HI201-2 MW 12:30 p.m. - 1:45 p.m. 15-week

1827 HI201-3 W 6 p.m. - 8:35 p.m. 15-week

1823 HI201-ONL1 Online 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

HI202 - History of the United States (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Covers United States history from Reconstruction to the present.

1824 HI202-1 MW 11 a.m. - 12:15 p.m. 15-week

1825 HI202-2 TuTh 3:30 p.m. - 4:45 p.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

1826 HI202-ONL1 Online 15-week

HI212 - Civil War (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Examines the causes of the Civil War, the constitutional crisis confronting the Union, the conduct of the war by both the Union and Confederacy, the economic and social conditions of the homefront, the status and condition of African Americans and the wartime origins of Reconstruction.

2096 HI212-1 Tu 6 p.m. - 8:35 p.m. 15-week

HI217 - African-American History (3)

Gen Ed History; Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
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.

1929 HI217-1 TuTh 11 a.m. - 12:15 p.m. 15-week

HOS: Hospitality Culinary Tourism

HOS110 - Introduction to Hospitality Management (3)

Prerequisites: (MA 80 or appropriate score on mathematics placement test) AND
{(Prerequisite: EN 70) OR (Prerequisite or Corequisite: EN 75 or [ESL 72 and ESL 73])}

Introduces students to various careers in the hospitality industry and history of hospitality. Develops an understanding of the hospitality industry by taking a management perspective in introducing students to the organization and structure of various sectors including: travel and tourism, meeting/convention and event planning, hotels, healthcare, restaurants, retail, contract food service, clubs, cruise ships, casino hotels, and more. Examines the forces and issues that are shaping the current and future hospitality industry. Topics include various aspects of hospitality operations and information on delivering excellent customer service. Students will earn certification from the American Hotel Lodging Educational Institute (AHLEI) as a Certified Guest Service Professional (CGSP®).

1749 HOS110-HYB1 W 6 p.m. - 8:40 p.m. 1st 7-week

Note: Class held at the FCC Monroe Center

HOS112 - Culinary I (3)

*** Culinary fee per class: \$121**

Prerequisites: (MA 80 or appropriate score on mathematics placement test) and (Grade of C or better in HOS 121)

Examines the basic concepts, skills, and attributes related to preparation of food: knife skills, product identification, and culinary terminology. Discusses food service industry history, professional careers, and trends. Develops, executes, and converts standardized recipes. Learns and applies classical cooking principles and techniques to food preparation. Topics include soup, stock, and sauce preparation; egg cookery; product qualities and preparation of vegetables, fruit, and starches. Strengthen knife skills, recipe conversions and measurements, and sanitation and safe food handling practices. Extra fees required.

1751 HOS112-1 Tu 9 a.m. - 2 p.m. 15-week

1952 HOS112-2 Tu 4:30 p.m. - 9:30 p.m. 15-week

Note: Class held at the FCC Monroe Center

HOS113 - Culinary II (3)

*** Culinary fee per class: \$121**

Prerequisite: HOS 112

Emphasizes meat, poultry, and seafood qualities, specifications, and fabrication. Learns and applies various cooking techniques for proteins. Expands knowledge of sauces, vegetables, and starch cookery with demonstrations of proper plating techniques. Emphasis is on building production skills in a commercial setting. Extra fees required.

2011 HOS113-1 M 9 a.m. - 2 p.m. 15-week

Note: Class held at the FCC Monroe Center

HOS114 - Baking I (3)

*** Culinary fee per class: \$121**

Prerequisite: (Grade of C or better in HOS 121) and (Prerequisite or Corequisite: HOS 112)

Provides students with the basic skills required for entry-level work in a bakery or pastry shop of a food service operation. These skills include working in a safe and sanitary manner; reading, scaling, and accurately following a recipe; demonstrating proper use of terminology, tools, and equipment; preparing, baking, and evaluating cookies, cakes, breads, pastries, pies, and tarts. Beginning plating techniques, cake decorating, and dietary alternatives explored. Extra fees required.

1752 HOS114-1 Th 9 a.m. - 2 p.m. 15-week

2010 HOS114-2 Th 4:30 p.m. - 9:30 p.m. 15-week

Note: Class held at the FCC Monroe Center

HOS121 - Sanitation and Food Safety (1)

Prerequisite: EN 70 OR Prerequisites or Corequisites: EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Develops an understanding of basic principles of sanitation and safety in food, beverage, and hospitality operations. The course focuses on procedures and protocol recommended for the prevention of foodborne illnesses. After introduction to HACCP planning, students will develop a HACCP plan. Successful passing of the National Restaurant Association ServSafe exam is required and earns certification as a ServSafe Food Protection Manager.

2301 HOS121-1 SAT 9 a.m. - 12 p.m. 1st 5-week

Note: Class held at the FCC Monroe Center

1963 HOS121-ONL1 Online 1st 5-week

HOS123 - Purchasing & Cost Control (3)

Prerequisite or Corequisite: HOS 111 and HOS 121

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.

2013 HOS123-HYB1 W 6 p.m. - 8:40 p.m. 2nd 7-week

Note: Class held at the FCC Monroe Center

HOS161 - Event Management (3)

Prerequisite: EN 70 OR Prerequisites or Corequisites: EN 75 OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Discusses and demonstrates aspects of planning and implementing an event for success. Included is a project where students will be involved in a hands-on experience of planning an event while utilizing the skills learned in class.

2014 HOS161-HYB1 M 6 p.m. - 8:40 p.m. 1st 7-week

Note: Class held at the FCC Monroe Center

HOS163 - Hospitality Operations (3)

Prerequisite: Grade of C or better in HOS 121 and Prerequisite or Corequisite: HOS 110

Learn the primary responsibilities of a hospitality manager and principles and practices involved in managing the day to day operations of a hospitality business. Topics include various aspects of hospitality operations such as classifying hotels and guests, hotel organization, front office operations, hospitality applications and systems, safety and security risks and controls, housekeeping operations, front office accounting, reading financial reports, maximizing sales, and facility maintenance.

2022 HOS163-HYB1 Tu 6 p.m. - 8:40 p.m. 1st 7-week

Note: Class held at the FCC Monroe Center

HOS210 - Garde Manger (4)

*** Culinary fee per class: \$121**

Prerequisite: HOS 113 or permission of program manager

Discuss and demonstrate cold food production. Preparation of display trays and platters with emphasis on presentation design and garnishes. Prepare canapés, hors d'oeuvres, appetizers, forcemeats, cheeses, and food preservation items. Extra fees required.

1953 HOS210-1 F 9 a.m. - 2 p.m. 15-week

Note: Class held at the FCC Monroe Center. Students are required to have a proper chef uniform and basic knife kit. Both may be purchased at the FCC Bookstore on campus.

HOS214 - Baking II (4)

*** Culinary fee per class: \$121**

Prerequisite: HOS 114

Builds upon learned basic skills and theories to develop proficiency in baking and pastry production. Students will further explore a range of classical and modern baking preparations for breads, doughs, cakes, custards, fillings, toppings, and pastries. Develop design, finishing, and plating techniques. Extra fees required.

2012 HOS214-1 W 9 a.m. - 2 p.m. 15-week

Note: Class held at the FCC Monroe Center

HOS216 - Food and Beverage Operations (3)

Prerequisite or Corequisite: HOS 123 or HOS 163

Provides an analysis of different types of food service operations, beginning with an overview of the food service segment of the hospitality industry. Detailed consideration is given to food and beverage operations, food service marketing, menu planning, nutrition concerns, menu cost and pricing strategies, production, service, beverage management, sanitation and safety issues, facility design and equipment, accounting and food service automation.

2063 HOS216-HYB1 M 6 p.m. - 8:40 p.m. 2nd 7-week

Note: Class held at the FCC Monroe Center

HOS261 - Applied Hospitality Management (3)

Prerequisite or Corequisite: HOS 163 or permission of program manager

Provides leadership and management tools in the hospitality industry to enhance guest service and profitability by introducing students to topics such as managing organizational change, traditional management roles and styles versus leadership in the twenty-first century, quality management, continuous improvement, power and empowerment, communication skills, goal setting and coaching, high-performance teams, diversity, strategic career planning, and ethics.

2264 HOS261-HYB1 Tu 6 p.m. - 8:40 p.m. 2nd 7-week

Note: Class held at the FCC Monroe Center

H: Honors College

Many courses available 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 schedule.

ACE101H - Academic Engagement Seminar (3)

Gen Ed Emerging Issues; Cultural Competence

Prerequisite or Corequisite: EN 70 or EN 75 OR *Prerequisites:* [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces first-year students to current, real-world issues as they advance their critical thinking, communication, and research skills. Students will explore questions of local, national, and global significance through multicultural contexts, while building relationships with their classmates, instructor, and other college personnel. Additionally, students will use campus resources and co-curricular events to enhance their educational experience and foster their college success.

2125 ACE101H-1C MW 2 p.m. - 3:15 p.m. 15-week

2343 ACE101H-2C TuTh 9:30 a.m. - 10:45 a.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

2126 ACE101H-3C TuTh 2 p.m. - 3:15 p.m. 15-week

ACE201H - Honors Applied Leadership & Research (3)

Prerequisite: Permission of Honors Coordinator

Provides returning Honors students with the opportunity to serve as peer mentors or leaders of first-year Honors students as they explore current, real-world issues and further advance their critical thinking, communication, and research skills. Students will develop and explore questions of local, national, and global significance through multicultural contexts while building relationships with the instructor, classmates, and other college personnel. Students will refine research and presentation skills in preparation for academic conferences.

2344 ACE201H-1C MW 2 p.m. - 3:15 p.m. 15-week \$

2346 ACE201H-2C TuTh 9:30 a.m. - 10:45 a.m. 13-week \$

Note: This web-enhanced course requires completion of selected online assignments.

2345 ACE201H-3C TuTh 2 p.m. - 3:15 p.m. 15-week \$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

BI100H - Fundamental Concepts of Biology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 81 or MA 83 or MA 85 or MA 103 or MA 103A or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test OR *Prerequisite or Corequisite:* MA 105)

Explores basic biological concepts involved in understanding the structure, function, and evolution of organisms. Introduces organization of living matter, metabolism, genetics, evolution, and ecology, and their application to everyday life. This one semester laboratory course is intended for non-STEM (science, technology, engineering, and math) majors, and is designed to provide students with an appreciation of biological concepts and their current applications. Meets the requirement for a general education science lab course.

2311 BI100H-1LC Tu 8 a.m. - 10:35 a.m. 15-week

2310 BI100H-11LB Th 8 a.m. - 10:30 a.m. 15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

CMSP103H - Speech Fundamentals (3)

Gen Ed Communications

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or *Corequisite:* EN 75

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.

1168 CMSP103H-1 TuTh 11 a.m. - 12:15 p.m. 15-week \$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EC201H - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Introduces basic concepts, the national accounts, national income analysis, business cycles and the monetary system with an essentially macro-economic approach.

2201 EC201H-1 TuTh 12:30 p.m. - 1:45 p.m. 15-week \$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

ED202H - Educational Psychology (3)

Prerequisites: EN 70 or EN 75 or EN 50A or EN 61 or ESL 95 or ESL 73, 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.) Fifteen hours of documented observation are required.

2334 ED202H-1C MW 2 p.m.-3:15 p.m. 15-week



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

ED/PS208H - Human Growth and Development (3)

Gen Ed Education

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
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.

2335 ED/PS208H-4C MW 2 p.m. - 3:15 p.m. 15-week \$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EN101H - English Composition (3)

Gen Ed English

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)
Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.

1421 EN101H-1 MW 9:30 a.m. - 10:45 a.m. 15-week

1422 EN101H-2 MW 12:30 p.m. - 1:45 p.m. 15-week \$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EN231H - English Language Studies (3)

Gen Ed 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.

1447 EN231H-ONLC Online 15-week

PS101H - General Psychology (3)

Gen Ed Psychology

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Emphasizes the major factors that influence human behavior, including behavioral neuroscience, perceptual processes, consciousness, intelligence, personality and psychological disorders.

1935 PS101H-1 MW 11 a.m. - 12:15 p.m. 15-week \$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

IS: Independent Study Honors

IS900H - Independent Study - Biology Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1894 IS900H-1 TBA 15-week

IS901H - Independent Study - Communication Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1895 IS901H-1 TBA 15-week

IS902H - Independent Study - English Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1896 IS902H-1 TBA 15-week

IS903H - Independent Study - Mathematics Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1897 IS903H-1 TBA 15-week

IS904H - Independent Study - Psychology Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1898 IS904H-1 TBA 15-week

IS905H - Independent Study - Sociology Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1899 IS905H-1 TBA 15-week

IS909H - Independent Study - Art Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1900 IS909H-1 TBA 15-week

IS910H - Independent Study - Physical Science Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1901 IS910H-1 TBA 15-week

IS911H - Independent Study - History Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1902 IS911H-1 TBA 15-week

IS912H - Honors Forum (1)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

1903 IS912H-1 TBA 2nd 7-week

1904 IS912H-2 TBA 2nd 7-week

HS: Human Services

HS102 - Human Relations (3)

Gen Ed Human Services; Cultural Competence

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or *Corequisite:* EN 75

Introduces students to the fundamentals of interpersonal communication and examines such communication in the context of culture, ethnicity, gender, age, and race in particular. As an experiential course, it seeks to increase the skills and sensitivity necessary for successful human relationships in a diverse global, national and local community. The impact of the increasing use of interactive technologies is also examined.

1828 HS102-1 MW 9:30 a.m. - 10:45 a.m. 15-week

1829 HS102-2 MW 12:30 p.m. - 1:45 p.m. 15-week

1830 HS102-3 MW 3:30 p.m. - 4:45 p.m. 15-week

1831 HS102-4 TuTh 8 a.m. - 9:15 a.m. 15-week

1832 HS102-5 TuTh 9:30 a.m. - 10:45 a.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

1833 HS102-6 TuTh 12:30 p.m. - 1:45 p.m. 15-week

1834 HS102-7 TuTh 2 p.m. - 3:15 p.m. 15-week

1835 HS102-8 SAT 9 a.m. - 1:40 p.m. 2nd 8-week

1836 HS102-9 Tu 5 p.m. - 7:35 p.m. 15-week

1837 HS102-ONL1 Online 15-week

HS103 - Introduction to Social Work and the Human Services (4)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

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.

1838 HS103-1 MW 12:30 p.m. - 1:45 p.m. 15-week

1839 HS103-2 M 5 p.m. - 7:35 p.m. 15-week

HS203 - Introduction to Counseling and Interviewing (3)

Prerequisite: PS 101

Presents an overview of counseling theory, with focus on the development of specific helping behaviors.

1840 HS203-1 TuTh 2 p.m. - 3:15 p.m. 15-week

HS204 - Ethics and Practice Issues in the Human Services and Addiction Counseling (3)

Prerequisite: HS 203; *Corequisite:* INTR 103

Integrates a study of ethical and practice issues in the human service field with the student's experience in the internship education practicum. Special attention will be given to the special ethical issues in the addictions field.

1841 HS204-HYB1 F 1:30 p.m. - 3:30 p.m. 15-week

HS205 - 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.

2248 HS205-ONL1  **Online** **15-week**

HU: Humanities

HU104 - Introduction to Digital Humanities (3)

Gen Ed Humanities

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces the student to the digital tools that are transforming the study of the humanities as well as the processes for planning, managing, and evaluating digital humanities projects. Equips the student to apply digital tools and techniques to a variety of disciplines including English, History, Philosophy, and Social Sciences.

2032 HU104-HYB1 **M** **12:30 p.m. - 1:45 p.m.** **15-week** **\$**

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

HU105 - Cultural Studies: Latin America (3)

Gen Ed Humanities; Cultural Competence

Prerequisite or Corequisite: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces the cultural traditions of Latin America focusing on the art, literature, dance, music, theater, and film of Meso, Central, and South America as well as the Caribbean.

2331 HU105-HYB1 **W** **12:30 p.m. - 1:45 p.m.** **15-week** **\$**

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

HU107 - Cultural Studies: Asia (3)

Gen Ed Humanities; Cultural Competence

Prerequisite or Corequisite: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces the cultural traditions of Asia focusing on the art, literature, dance, music, theater, and film of East Asia, India, and the Pacific Islands.

2332 HU107-HYB1 **W** **11 a.m. - 1:30 p.m.** **15-week**

INTR: Internship

INTR101 - Internship (1)

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in the student's chosen career field. In addition to meeting Core Learning Outcomes, jointly developed Specific Learning Outcomes are selected and evaluated by the Faculty Internship Advisor, Work-Site Supervisor, and the student. Internship placements are directly related to the student's program of study and provide learning experiences not available in the classroom setting. Internships provide entry-level, career-related experiences, and workplace competencies that employers value when hiring new employees. Internships may also be used as an opportunity to explore career fields. Students must meet with the Internship Coordinator prior to registering.

1905 INTR101-1	TBA	15-week
1954 INTR101-2	TBA	2nd 10-week
1955 INTR101-3	TBA	13-week
1956 INTR101-4	TBA	2nd 7-week
1957 INTR101-5	TBA	2nd 8-week
2184 INTR101-6	TBA	3rd 5-week
2306 INTR101-7	TBA	1st 8-week
2307 INTR101-8	TBA	1st 7-week



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

INTR102 - Internship (2)

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in the student's chosen career field. In addition to meeting Core Learning Outcomes, jointly developed Specific Learning Outcomes are selected and evaluated by the Faculty Internship Advisor, Work-Site Supervisor, and the student. Internship placements are directly related to the student's program of study and provide learning experiences not available in the classroom setting. Internships provide entry-level, career-related experiences, and workplace competencies that employers value when hiring new employees. Internships may also be used as an opportunity to explore career fields. Students must meet with the Internship Coordinator prior to registering.

1906 INTR102-1	TBA	15-week
1967 INTR102-2	TBA	2nd 5-week
1959 INTR102-3	TBA	13-week
1960 INTR102-4	TBA	3rd 5-week
1961 INTR102-5	TBA	2nd 7-week
1962 INTR102-6	TBA	2nd 8-week
2134 INTR102-7	TBA	1st 5-week
2304 INTR102-8	TBA	1st 8-week
2305 INTR102-9	TBA	1st 7-week
2257 INTR102-HS	TBA	15-week

Note: Human Services students only

INTR103 - Internship (3)

2025 INTR103-1	TBA	15-week
2026 INTR103-2	TBA	2nd 10-week
2027 INTR103-3	TBA	13-week
2028 INTR103-4	TBA	3rd 5-week
2029 INTR103-5	TBA	2nd 7-week
2030 INTR103-6	TBA	2nd 8-week
2302 INTR103-7	TBA	1st 8-week
2174 INTR103-8	TBA	1st 10-week
2303 INTR103-9	TBA	1st 8-week
2023 INTR103-EM1	TBA	15-week

Note: Emergency Management students only

2024 INTR103-EM2	TBA	2nd 8-week
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Note: Emergency Management students only

2122 INTR103-HS	TBA	15-week
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Note: Human Services students only

ITR: American Sign Language Interpreting

ITR104 - Introduction to Interpreting (3)

Prerequisites: (EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72) and (ASLS 106 and ASLS 202); *Prerequisite or*

Corequisite: ASLS 203

Introduces students to the profession of sign language interpreting. Covers the history of interpreting as a field of professional practice, the ethical and performance standards, the impact of legislation on the field, the phenomena of cross cultural dynamics, knowledge of environmental conditions, and the role of the interpreter as cultural mediator.

2349 ITR104-1	Tu	12 p.m. - 2:30 p.m.	15-week
2281 ITR104-2	Th	10 a.m. - 12:35 p.m.	15-week

ITR112 - Foundations of Interpreting (3)

Prerequisite: ITR 104; *Corequisites:* ITR 110, ITR 114

Introduces students to the theory and application of the interpreting process. Students will practice receptive skills and process tasks needed for interpretation. Focus will primarily be on intralingual language exercises including shadowing, prediction and anticipation, memory enhancement, text analysis for goal and main points, and paraphrasing. Process models and descriptions will be covered and application will be provided to observed interpretations. Exercises will be conducted in both English and ASL. The goal of the course is to develop cognitive processing skills involved in the interpreting process.

2350 ITR112-1	TuTh	6:30 p.m. - 7:45 p.m.	15-week
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ITR212 - ASL to English Interpreting I (3)

Prerequisites: ITR 110, ITR 112, ITR 114; *Corequisites:* ITR 214, ITR 216

Focuses on the process of interpretation, provides practice of requisite skills and process tasks and applies skills and interpreting theory to the translation process. The course of study focuses on lexical development, syntactical language comparisons, voice production techniques, text/discourse/interpreting process analysis, semantic mapping, and diagnostic assessment.

2278 ITR212-1	Tu	5:30 p.m. - 8:05 p.m.	15-week
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ITR214 - English to ASL Interpreting I (3)

Prerequisites: ITR 110, ITR 112, ITR 114; *Corequisites:* ITR 212, ITR 216

Provides in-depth study and practice of ASL/English interpretation through the understanding and use of the simultaneous mode of interpreting. Provides techniques of translating the source language, English to the target, and American Sign Language (ASL) in a simultaneous manner.

2279 ITR214-1 M 5:30 p.m. - 8:05 p.m. 15-week

ITR216 - Transliterating I (3)

Prerequisites: ITR 110, ITR 112, ITR 114; *Corequisites:* ITR 212, ITR 214

Covers the process of transliteration. The process moves along a continuum from ASL to a signed form of English. Specific subtasks are isolated in order to focus on transliterating skill development, enhancing component skills, and incorporating ASL features. These skills are integrated into the performance of beginning to intermediate tasks.

2280 ITR216-1 W 5:30 p.m. - 8:05 p.m. 15-week

LA: Paralegal

LA100 - Introduction to Law (3)

Cultural Competence

Prerequisite: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR EN 70 OR *Prerequisite or Corequisite:* EN 75 OR (ESL 72 and ESL 73)

Presents an overview of the legal profession. Provides detailed introduction to the structure and function of the American Legal System, law office management, standard operating procedures and systems. Offers overview of fundamental areas of substantive and procedural law, interviewing and investigation, and research and writing. Infuses ethics and professionalism. Discusses legal aspects of current topics to aid students in acquiring an appreciation of the dynamic role of law in our changing society. Promotes understanding needed to participate effectively in our diverse global, national, and local communities.

1843 LA100-HYB1 SAT 9 a.m. - 1:15 p.m. 1st 7-week Saturday

LA103 - Ethics for the Legal Professional (3)

Prerequisite or Corequisite: LA 100

Concentrates on the ethical responsibilities that have been established by statutes, courts decisions, court rules, and professional associations affecting legal assistants/paralegals and lawyers. Includes conflict of interest, confidentiality, competence, solicitation, fees and billing, obligations of attorneys to clients, and protection of client funds. Covers the nature of supervision in order to avoid unauthorized practice of law.

1930 LA103-ONL1 Online 15-week

LA104 - Contracts (3)

Prerequisites or Corequisites: LA 100 and EN 101

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.

1932 LA104-ONL1 Online 15-week

LA105 - Torts (3)

Prerequisites or Corequisites: LA 100 and EN 101

Covers the fundamental principles of tort law: intentional torts, negligence, and strict liability. Examines causes of action, defenses, and remedies. Develops skills to investigate and evaluate tort claims. Introduces tort litigation procedures and documents.

2360 LA105-ONL1 Online 15-week

LA106 - Technology for the Legal Profession (3)

Prerequisite or Corequisite: LA 100

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.

1933 LA106-ONL1 Online 2nd 7-week

LA200 - Legal Research (3)

Prerequisites or Corequisites: LA 100 and EN 101

Offers working knowledge of techniques of legal research. Examines various sources of law and types of research tools. Emphasis on using a law library. Develops book-based and computer-assisted research skills. Outlines development of a research strategy plan to locate and update applicable law. Analyze cases, statutes, and report findings. Stresses proper citation form.

1934 LA200-HYB1 W 6 p.m. - 9 p.m. 15-week

LA205 - Legal Writing (3)

Prerequisites: EN 101 and (LA 200 or LA 110)

Offers working knowledge of techniques of legal writing in the preparation of a variety of legal documents such as legal correspondence, briefs, memoranda, and pleadings. Incorporates analysis and synthesis of research to draft legal documents. Emphasizes the importance of proper format and citation.

2004 LA205-HYB1 M 6 p.m. - 9 p.m. 1st 7-week

LA220 - Civil Litigation (3)

Prerequisites: LA 100 and EN 101

Provides a comprehensive study of civil litigation, state, and federal court structure and procedure. Explores components of the litigation process. Includes drafting pleadings and other documents associated with litigation. Incorporates use of technology in the litigation process. Develops skills to effectively and ethically support the litigation process. Introduces administrative procedure.

2131 LA220-HYB1 SAT 9 a.m. - 1:15 p.m. 2nd 7-week Saturday

LA240 - Family Law (3)

Prerequisites: LA 100 and EN 101

Explores the fundamentals and emerging issues in family law. Topics include marriage, separation, divorce, alimony, child custody and visitation, child support, disposition of property and legal rights of children, adoption, guardianship, and domestic relations. Explores court procedures, public records research, and the mediation process. Presents computer applications in domestic relations practice.

2362 LA240-HYB1 Tu 6 p.m. - 9 p.m. 2nd 10-week

LC: Chinese

LC101 - Introductory Chinese I (4)

Gen Ed Humanities

Covers fundamentals of the Mandarin Chinese written and spoken language. Offers a strong foundation in the language through development of vocabulary, grammar, reading, and conversational skills. Offers insights into Chinese culture and customs.

2347 LC101-1 TuTh 12:30 p.m. - 2:10 p.m. 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LAR: Arabic

LAR102 - Introductory Arabic II (3)

Gen Ed Humanities

Prerequisite: LAR 101

Continues the fundamentals of the Arabic language, both written and spoken, pertinent to the second semester. Offers a strong foundation in the language through further development of vocabulary, grammar, reading and conversational skills. Provides insights into Arabic culture and customs.

2330 LAR102-1 MW 12:30 p.m. - 1:45 p.m. 15-week

LF: French

LF101 - Introductory French I (3)

Gen Ed Humanities

Presents study of French grammar and vocabulary with selected readings in contemporary literature. Develops competence in and knowledge of French language and culture.

1188 LF101-1 MW 12:30 p.m. - 1:45 p.m. 15-week

1189 LF101-ONL1 Online 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

LG: German

LG102 - Introductory German II (3)

Gen Ed Humanities

Prerequisite: LG 101

Continuation of LG 101. Introduces more complicated readings.

2329 LG102-1 TuTh 2 p.m. - 3:15 p.m. 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

LL: Latin

LL101 - Introductory Latin I (3)

Gen Ed 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.

1191 LL101-1 Tu 5 p.m. - 7:35 p.m. 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LR: Russian

LR101 - Introductory Russian I (3)

Gen Ed 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.

1192 LR101-1 MW 5:30 p.m. - 6:45 p.m. 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LS: Spanish

LS101 - Introductory Spanish I (3)

Gen Ed Humanities

Introduces Spanish grammar and vocabulary. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of lifelike dialogs, students gain insight into Spanish culture, thought and expression.

1193 LS101-1 MW 9:30 a.m. - 10:45 a.m. 15-week

1194 LS101-2 MW 11 a.m. - 12:15 p.m. 15-week

1909 LS101-3 MW 2 p.m. - 3:15 p.m. 15-week

1195 LS101-4 TuTh 11 a.m. - 12:15 p.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

1196 LS101-5 TuTh 12:30 p.m. - 1:45 p.m. 15-week

1908 LS101-6 Tu 6 p.m. - 8:35 p.m. 15-week

1197 LS101-ONL1 Online 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LS102 - Introductory Spanish II (3)

Gen Ed Humanities

Prerequisite: LS 01

A continuation of LS 101. Introduces more complicated readings.

1198 LS102-1 MW 11 a.m. - 12:15 p.m. 15-week

2103 LS102-ONL1 Online 15-week

LS201 - Intermediate Spanish I (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: LS 102

Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in Spanish.

1199 LS201-1 TuTh 12:30 p.m. - 1:45 p.m. 15-week

LS211 - Spanish Conversation I (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: LS 102

Develops oral fluency and language skills through interpretation and discussion of select readings, videos, songs and cultural experiences.

1200 LS211-1 TuTh 2 p.m. - 3:15 p.m. 15-week

MA: Mathematics

MA83 - Educator Preparation in Mathematics (0) [2]

Prerequisites: (Placement in EN 70 or ESL 70 or higher on the reading placement test) AND (A grade of B or better in MA 80 or appropriate score on the mathematics placement test)

Develops introductory Algebra skills. Topics include real numbers, algebraic expressions, solving and graphing equations, exponents, factoring polynomials, and functions. Technology and PRAXIS preparation are integrated with traditional skill practice throughout the course.

2058 MA83-1 TuTh 8 a.m. - 8:50 a.m. 15-week
2130 MA83-ONL1 Online 15-week

MA103 - Foundations of Mathematics (3)

Gen Ed Math

Prerequisite: MA 81 or MA 83 or appropriate score on mathematics placement test

Covers various topics within mathematics for those who need a survey of mathematical principles rather than the in-depth analysis required for a mathematics or science-related program. Areas covered may include problem-solving strategies, logic, numeration systems, set theory, classification of numbers, algebra, financial management, geometry, measurement and right triangle trigonometry, probability, statistics, graphs, systems of equations, linear programming, graph theory, and voting theory. Students cannot receive credit for both MA 103 and MA 103A.

1288 MA103-1 MW 8 a.m. - 9:15 a.m. 15-week \$
1975 MA103-2 MW 9:30 a.m. - 10:45 a.m. 15-week \$\$
1943 MA103-3 MW 11 a.m. - 12:15 p.m. 15-week \$\$
1976 MA103-4 MW 12:30 p.m. - 1:45 p.m. 15-week \$
1977 MA103-5 TuTh 9:30 a.m. - 10:45 a.m. 15-week \$
1944 MA103-6 TuTh 11 a.m. - 12:15 p.m. 15-week \$
1289 MA103-7 TuTh 12:30 p.m. - 1:45 p.m. 13-week \$

Note: This web-enhanced course requires completion of selected online assignments.

1290 MA103-8 TuTh 2 p.m. - 3:15 p.m. 15-week \$
1291 MA103-9 M 6 p.m. - 8:35 p.m. 15-week \$
1292 MA103-ONL1 Online 15-week \$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MA103A - Foundations of Mathematics (3)

Gen Ed Math

Prerequisites: MA 80 or appropriate score on mathematics placement test AND placement in EN 70 or ESL 70 or higher on the reading placement test

Combines topics with Algebra with topics from college math for those whose need is a survey of mathematical principles rather than the in-depth analysis required for a mathematics or science-related program. This course begins with a course in Algebra followed immediately by a survey of college math. Topics of Algebra include linear equations, quadratic functions, exponential functions, and logarithmic equations with an emphasis on functions, graphing, and modeling. Topics of college math covered may include problem solving strategies, logic, numeration systems, classification of numbers, algebra, financial management, geometry, measurement and right triangle trigonometry, probability, statistics, graphs, systems of equations, linear programming. Students cannot receive credit for both MA 103 and MA 103A.

1978 MA103A-1 MTuWTh 8 a.m. - 9:05 a.m. 15-week \$
1979 MA103A-2 MTuWTh 9:30 a.m. - 10:35 a.m. 15-week \$\$
1981 MA103A-3 MTuWTh 9:30 a.m. - 10:35 a.m. 15-week \$
1293 MA103A-4 MTuWTh 11 a.m. - 12:15 p.m. 13-week \$

Note: This web-enhanced course requires completion of selected online assignments.

1965 MA103A-5 MTuWTh 11 a.m. - 12:05 p.m. 15-week \$
1980 MA103A-6 MTuWTh 12:30 p.m. - 1:35 p.m. 15-week \$
1294 MA103A-7 MTuWTh 2 p.m. - 3:05 p.m. 15-week \$
1295 MA103A-8 MW 6 p.m. - 8:10 p.m. 15-week \$
2066 MA103A-9 TuTh 6 p.m. - 8:10 p.m. 15-week \$

Note: Students registering for MA 103A must also register for MA A - Instruction with Algebra.

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

MAA - Instruction with Algebra (0) [2]

Supplements MA 103A and MA 206A.

1335 MAA-1 **ASG** **15-week**

Note: Students registering for MA 103A or MA 206A in the 15-week session must also register for MA A in the 15-week session.

2176 MAA-2 **ASG** **13-week**

Note: Students registering for MA 103A or MA 206A in the 13-week session must also register for MA A in the 13-week session.

MA105 - Fundamental Concepts of Mathematics (4)

Gen Ed Math

Prerequisite or Corequisite: MA 81 or MA 83 or MA 85 or appropriate score on mathematics placement test

Provides a comprehensive, conceptually-based background in elementary mathematics. Topics include historical development of numeration systems, decimal notation, arithmetic algorithms in decimal and other bases, elementary set theory and number theory. Intended for early childhood and elementary education students, or other non-STEM majors, who need a general course in problem-solving strategies, numeracy, and the real number system.

1296 MA105-1 **TuTh** **9 a.m. - 10:40 a.m.** **15-week**

2132 MA105-2 **TuTh** **11 a.m. - 12:40 p.m.** **15-week**

2113 MA105-3 **TuTh** **5 p.m. - 6:40 p.m.** **15-week**

MA106 - Fundamental Concepts of Mathematics II (4)

Prerequisite or Corequisite: MA 81 or MA 83 or MA 85 or appropriate score on the mathematics placement test

A study of the fundamentals of geometry for early childhood education and elementary education students. Provides a conceptually based background in geometry including plane and solid, metric and non-metric, dimensional analysis, congruence and similarity, coordinate and transformational geometry. Emphasizes problem-solving skills and the appropriate use of technology including calculators and computers.

1297 MA106-1 **MW** **9 a.m. - 10:40 a.m.** **15-week**

1298 MA106-2 **MW** **11 a.m. - 12:40 p.m.** **15-week**

MA111 - Precalculus (4)

Gen Ed Math

Prerequisite: A grade of B or better in MA 82 or MA 85 OR a grade of C or better in MA 130 or MA 130S OR

appropriate score on mathematics placement test

Includes topics from college algebra and trigonometry with a graphing approach such as right triangle trigonometry, circular trigonometric functions, inverse trigonometric functions, exponential functions, power functions, logarithmic functions, and polynomial functions and their zeros.

1299 MA111-1 **MW** **1 p.m. - 2:40 p.m.** **15-week**

1300 MA111-2 **MW** **3 p.m. - 4:40 p.m.** **15-week**

1301 MA111-3 **TuTh** **9 a.m. - 10:40 a.m.** **15-week**

1302 MA111-4 **TuTh** **11 a.m. - 12:40 p.m.** **15-week**

1303 MA111-5 **TuTh** **1 p.m. - 2:40 p.m.** **15-week**

1304 MA111-6 **MW** **5 p.m. - 6:40 p.m.** **15-week**

1305 MA111-ONL1  **Online** **15-week**

 *No/Low Cost Course Section: The textbook costs for this course are under \$40.*

MA130 - College Algebra (3)

Gen Ed Math

Prerequisite: A grade of C or better in MA 82 or MA 85 or appropriate score on mathematics placement test

This class can be taken as a single semester course in College Algebra or as the first part of a two semester sequence (MA 130 and MA 131) to prepare for Calculus. Topics covered include a study of function behavior, composition, and inverse using linear, polynomial, rational and radical functions; definition and analysis of exponential and logarithmic functions, complex numbers, formulae of midpoint, distance and average rate of change, and right triangle trigonometry. Two of the following courses: MA 111, MA 130 and MA 131 may be taken for a maximum of 7 credits.

1306 MA130-1 **MW** **8 a.m. - 9:15 a.m.** **15-week**

1307 MA130-2 **MW** **9:30 a.m. - 10:45 a.m.** **15-week**

1308 MA130-3 **MW** **11 a.m. - 12:15 p.m.** **15-week**

2142 MA130-4 **MW** **12:30 p.m. - 1:45 p.m.** **15-week**

1309 MA130-5 **MW** **2 p.m. - 3:15 p.m.** **15-week**

1310 MA130-6 **MW** **3:30 p.m. - 4:45 p.m.** **15-week**

1311 MA130-7 **TuTh** **9:30 a.m. - 10:45 a.m.** **15-week**

1945 MA130-8 **TuTh** **11 a.m. - 12:15 p.m.** **13-week**

Note: This web-enhanced course requires completion of selected online assignments.

2232 MA130-9 **TuTh** **12:30 p.m. - 1:45 p.m.** **15-week**

1313 MA130-10 **SAT** **9 a.m. - 11:45 a.m.** **14-week**

1312 MA130-11 **TuTh** **5 p.m. - 6:15 p.m.** **13-week**

Note: This web-enhanced course requires completion of selected online assignments.

2172 MA130-ONL1  **Online** **15-week**

MA130S - College Algebra (3)

Gen Ed Math

Prerequisite: A grade of B or better in MA 80 or appropriate score on mathematics placement test

Combines College Algebra with topics from Introductory and Intermediate Algebra. Introductory and Intermediate Algebra topics include linear equations, absolute value, quadratic functions, exponential functions, and polynomial functions with an emphasis on functions, graphing, and modeling. College Algebra topics extend Intro/Intermediate topics to include a study of function behavior, composition, and inverse using linear, polynomial, rational and radical functions; definition and analysis of exponential and logarithmic functions, and complex numbers.

2227 MA130S-1 **MTuWTh** **9:30 a.m. - 10:45 a.m.** **15-week**

2228 MA130S-2 **MTuWTh** **12:30 p.m. - 1:45 p.m.** **15-week**

2229 MA130S-3 **TuTh** **6 p.m. - 8:35 p.m.** **15-week**

Note: Students registering for MA 130S must also register for MA S.

MAS - Algebraic Support (0) [3]

Supplements MA 130S.

2230 MAS-1 **ASG** **15-week**

Note: Students registering for MA 130S must also register for MA S.

MA201 - Applied Calculus (3)

Gen Ed Math

Prerequisite: A grade of C or better in MA 130 or MA 130S or appropriate score on mathematics placement test

A one-semester course for students in business, biology, social sciences, electronics and technical programs. Covers methods for finding the derivatives and integrals of algebraic and transcendental functions with applications in each program.

1314 MA201-1 **MW** **11 a.m. - 12:15 p.m.** **15-week**

1315 MA201-2 **TuTh** **2 p.m. - 3:15 p.m.** **15-week**

1946 MA201-ONL1  **Online** **15-week**

 *No/Low Cost Course Section: The textbook costs for this course are under \$40.*

MA206 - Statistics (3)

Gen Ed Math

Prerequisite: MA 81 or MA 83 or appropriate score on mathematics placement test

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. Students can only receive credit for one of the following: MA 206 or MA 206A.

1317 MA206-1 **MW** **8 a.m. - 9:15 a.m.** **15-week**

2080 MA206-2 **MW** **9:30 a.m. - 10:45 a.m.** **15-week**

1318 MA206-3 **MW** **9:30 a.m. - 10:45 a.m.** **15-week**

1320 MA206-4 **MW** **11 a.m. - 12:15 p.m.** **15-week**

1321 MA206-5 **MW** **12:30 p.m. - 1:45 p.m.** **15-week**

2171 MA206-6 **MW** **12:30 p.m. - 1:45 p.m.** **13-week**

Note: This web-enhanced course requires completion of selected online assignments.

1322 MA206-7 **MW** **2 p.m. - 3:15 p.m.** **15-week**

1323 MA206-8 **TuTh** **8 a.m. - 9:15 a.m.** **15-week**

1982 MA206-9 **TuTh** **9:30 a.m. - 10:45 a.m.** **13-week**

Note: This web-enhanced course requires completion of selected online assignments.

1319 MA206-10 **TuTh** **11 a.m. - 12:15 p.m.** **13-week**

Note: This web-enhanced course requires completion of selected online assignments.

1947 MA206-11 **TuTh** **2 p.m. - 3:15 p.m.** **15-week**

1324 MA206-12 **TuTh** **3:30 p.m. - 4:45 p.m.** **15-week**

1325 MA206-13 **F** **11 a.m. - 1:35 p.m.** **15-week**


2233 MA206-14 **M** **6 p.m. - 8:35 p.m.** **15-week**

1326 MA206-15 **Tu** **6 p.m. - 8:35 p.m.** **15-week**

1327 MA206-16 **W** **6 p.m. - 8:35 p.m.** **15-week**

1983 MA206-HYB1 **TuTh** **12:30 p.m. - 1:45 p.m.** **1st 8-week**

1328 MA206-ONL1  **Online** **15-week**

2067 MA206-ONL2  **Online** **15-week**

 *No/Low Cost Course Section: The textbook costs for this course are under \$40.*



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

MA206A - Statistics (3)

Gen Ed Math

Prerequisites: A grade of B or better in MA 80 or appropriate score on mathematics placement test AND placement in EN 70 or ESL 70 or higher on the reading placement test

Combines an introductory non-calculus statistics course with topics from Algebra. Topics of Algebra include graphing and solving linear equations, inequalities, function notation and interval notation. Topics of Statistics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests, and non-parametric tests. Students can only receive credit for one of the following: MA 206 or MA 206A.

1330 MA206A-1	MTuWTh	9:30 a.m. - 10:35 a.m.	15-week
2234 MA206A-2	MTuWTh	11 a.m. - 12:05 p.m.	15-week
1331 MA206A-3	MTuWTh	11 a.m. - 12:15 p.m.	13-week
1332 MA206A-4	MTuWTh	12:30 p.m. - 1:45 p.m.	13-week

Note: This web-enhanced course requires completion of selected online assignments.

1333 MA206A-5	MTuWTh	2 p.m. - 3:05 p.m.	15-week
1984 MA206A-6	MW	6 p.m. - 8:10 p.m.	15-week
1334 MA206A-7	TuTh	6 p.m. - 8:10 p.m.	15-week
1329 MA206A-HYB1	MW	8 a.m. - 9:15 a.m.	15-week
2175 MA206A-HYB2	TuTh	8 a.m. - 9:15 a.m.	15-week

Note: Students registering for MA 206A must also register for MA A - Instruction with Algebra.

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MAA - Instruction with Algebra (0) [2]

Supplements MA 103A and MA 206A.

1335 MAA-1	ASG	15-week
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Note: Students registering for MA 103A or MA 206A in the 15-week session must also register for MA A in the 15-week session.

2176 MAA-2	ASG	13-week
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Note: Students registering for MA 103A or MA 206A in the 13-week session must also register for MA A in the 13-week session.

MA207 - Statistics with Probability (4)

Gen Ed Math

Prerequisite: A grade of C or better in MA 81 or appropriate score on mathematics placement test

Introduces non-calculus statistics with additional topics in elementary probability. Statistical topics include descriptive analysis and treatment of data, statistical inference, linear regression and correlation, and chi-square tests. Topics from Elementary Probability include basic event and outcome concepts, fundamental rules of probability, random variables and their distributions, and expectation. Practical applications of the course concepts are explored through team projects. Students can only receive credit for one of the following: MA 207 or MA 207A.

1336 MA207-1	MW	11 a.m. - 12:40 p.m.	15-week
1337 MA207-2	TuTh	1 p.m. - 2:40 p.m.	15-week
1338 MA207-HYB1	M	5 p.m. - 6:40 p.m.	15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MA210 - Calculus I (4)

Gen Ed Math

Prerequisite: A grade of C or better 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 produce 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.

1339 MA210-1	MW	11 a.m. - 12:40 p.m.	15-week
1340 MA210-2	TuTh	9 a.m. - 10:40 a.m.	15-week
1341 MA210-3	TuTh	1 p.m. - 2:40 p.m.	15-week
1342 MA210-4	TuTh	5 p.m. - 6:40 p.m.	15-week
1343 MA210-ONL1		Online	15-week

MA211 - Calculus II (4)

Gen Ed Math

Prerequisite: A grade of C or better in 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.

1344 MA211-1	MW	1 p.m. - 2:40 p.m.	15-week
1345 MA211-2	TuTh	11 a.m. - 12:40 p.m.	15-week
1346 MA211-3	TuTh	5 p.m. - 6:40 p.m.	15-week

MA212 - Calculus III (4)

Prerequisite: A grade of C or better in 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.

1347 MA212-1	TuTh	11 a.m. - 12:40 p.m.	15-week
1348 MA212-2	TuTh	3 p.m. - 4:40 p.m.	15-week

MA214 - Introduction to MATLAB (1)

Prerequisite or Corequisite: MA 210

Provides an introduction to MATLAB, a multi-paradigm numerical computing environment and fourth-generation programming language, including popular toolboxes. The course consists of interactive workshops with students doing sample MATLAB problems in real time. Problem-based MATLAB assignments are given which require significant time on MATLAB.

1349 MA214-ONL1		Online	1st 8-week
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MA218 - Linear Algebra (3)

Prerequisite: MA 210

Includes systems of linear equations, determinants, vectors in 2- and 3-space, vector spaces, linear transformations, eigenvalues and eigenvectors and applications.

1350 MA218-1	MW	9:30 a.m. - 10:45 a.m.	15-week
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MDA: Medical Assisting

MDA101 - Foundations of Medical Assisting I (3)

Prerequisite or Corequisite: MDA 109

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.

1754 MDA101-1	F	9 a.m. - 1:30 p.m.	1st 7-week
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MDA102 - Foundations of Medical Assisting II (3)

Prerequisite: MDA 101; *Prerequisite or Corequisite:* MDA 109

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.

1755 MDA102-1	F	9 a.m. - 1:30 p.m.	2nd 7-week
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MDA108 - Basic Medical Terminology (1)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or *Corequisite:* EN 75

Provides students with the basic medical terminology framework needed before advancing to a more comprehensive medical terminology or anatomy and physiology based course.

1756 MDA108-ONL1		Online	1st 7-week
2037 MDA108-ONL2		Online	2nd 7-week

MDA109 - Medical Terminology (3)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72 or *Corequisite:* EN 75

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.

1757 MDA109-HYB1	Th	9:30 a.m. - 10:45 a.m.	15-week
1758 MDA109-HYB2	Th	2 p.m. - 3:15 p.m.	15-week
1759 MDA109-HYB3	Tu	6:30 p.m. - 9 p.m.	1st 7-week
1760 MDA109-ONL1		Online	15-week
1761 MDA109-ONL2		Online	2nd 7-week

MDA110 - Pharmacology for Medical Office Practice (3)

Prerequisite: EN 52 or ESL 99 or ESL 72; *Prerequisite or Corequisite:* MDA 109


Introduces students interested in medical office practices to the field of pharmacology. Students will be completing clinical and multimedia applications encountered in a clinic/doctor's office setting. Applications include handwritten and electronic prescriptions, drug forms, drug labels, patient photographs, and clinical scenarios. Each anatomical system will be the subject of a unit in this course. This course is not intended for the nursing student.

1762 MDA110-HYB1	Th	11 a.m. - 1:30 p.m.	1st 7-week
1763 MDA110-ONL1		Online	15-week

MDA112 - Medical/Administrative Office Applications (3)

Prerequisite or Corequisite: MDA 109

Covers the general flow of information in a medical office and the role that computers play in administrative tasks. Simulation software is used to reflect today's office environment such as variety in fee schedules, patient scheduling, and office hour organization. Students will perform additional office procedures including insurance claims and financial tasks.

1764 MDA112-HYB1	W	6:30 p.m. - 8:30 p.m.	2nd 7-week
1765 MDA112-ONL1		Online	1st 7-week

MDA115 - Phlebotomy Skills (3)

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Develops skills in a variety of blood collection methods using proper techniques and standard precautions. Blood collection procedures performed include vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture, and specimen collection on adults. Collection of specimens from children and infants is discussed. Emphasis will be placed on infection prevention, patient identification, specimen labeling, quality assurance, specimen handling, processing, accessioning, professionalism, ethics, and medical terminology.

1766 MDA115-HYB1	W	1 p.m. - 4 p.m.	2nd 7-week
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MDA202 - Medical Assisting Clinical Skills (3)

Prerequisite or Corequisite: MDA 201

Introduces the basic routine clinical skills and techniques required for assisting with patients in the medical office. Presents proper clinical techniques and theory behind each technique. Skills include (but are not limited to): collecting, handling, and examining laboratory specimens and using phlebotomy procedures according to OSHA regulations. Demonstrating use of clinical equipment including centrifuge and audiometer.

1767 MDA202-1	TuTh	6:30 p.m. - 8:45 p.m.	1st 7-week
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MDA204 - Medical Assisting Clinical II (2)

Prerequisite or Corequisite: 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.

1768 MDA204-1	ASG		1st 7-week
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MDA216 - Medical Coding Basics (3)

Prerequisite or Corequisite: CIS 101


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. Broadens medical coding knowledge and enhances medical coding skills with hands-on simulations using a widely accepted medical coding software package.

1769 MDA216-1	W	6:30 p.m. - 8:30 p.m.	1st 7-week
2285 MDA216-2	W	6:30 p.m. - 8:30 p.m.	2nd 7-week

MDA218 - Health Insurance Billing and Reimbursement (3)

Prerequisite or Corequisite: MDA 216



Introduces processing of health insurance claims including plan options, payer requirements, state and federal regulations, abstraction of source documents, accurate completion of claims, coding of diagnoses, and procedures/services. Includes the following types of insurance: Commercial Insurance, Blue Cross Blue Shield, Medicare, Medicaid, TRICARE, and Workers' Compensation. Emphasis on CMS Reimbursement Methodologies will be incorporated into the curriculum.

1771 MDA218-HYB1	W	6:30 p.m. - 9 p.m.	1st 7-week
1770 MDA218-ONL1		Online	2nd 7-week

MDA220 - Electronic Health Records (3)

Prerequisites or Corequisites: MDA 109, CIS 101

Introduces students to Electronic Health Records (EHR) through an examination of existing transitions and structures between medical facilities. Practical applications and guided exercises will enable the student to be prepared for changes in the healthcare field.

1772 MDA220-ONL1		Online	1st 7-week
1773 MDA220-ONL2		Online	2nd 7-week

MDA222 - Introduction to Federal Healthcare Programs and Laws (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Prepares students in allied health programs to enter the workforce with a basic understanding of federal healthcare programs and federal healthcare laws. The course will provide students with a knowledge of the populations receiving assistance from the government as well as identifying the federal laws that govern workers' provisions of health services laws.

1774 MDA222-ONL1		Online	15-week
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MU: Music

MU101 - Introduction to Music History and Appreciation (3)

Gen Ed Arts

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75

Presents a study of music masterpieces of the past and present through reading, listening and analysis.

1201 MU101-1	MW	9:30 a.m. - 10:45 a.m.	15-week
1202 MU101-ONL1		Online	15-week

MU103 - Fundamentals of Music (3)


Gen Ed Arts

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75

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.

1203 MU103-1	MW	11 a.m. - 12:15 p.m.	15-week
1204 MU103-2	TuTh	12:30 p.m. - 1:45 p.m.	13-week

Note: This web-enhanced course requires completion of selected online assignments.

1213 MU103-ONL1		Online	2nd 8-week
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MU106 - Aural and 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.


1205 MU106-1	TuTh	2:30 p.m. - 3:20 p.m.	15-week
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MU109 - History of American Popular Music (3)

Gen Ed Arts

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75

Surveys the development of American popular music in the 20th and 21st centuries, including the origins of both pop/rock styles, significant artists, cross-pollination with other genres, and impact on American culture. Selected pieces are examined in detail through directed listening. Topical writing assignments are required. Music reading skills unnecessary.

2082 MU109-1	MW	12:30 p.m. - 1:45 p.m.	15-week
1206 MU109-2	TuTh	9:30 a.m. - 10:45 a.m.	15-week
1214 MU109-ONL1		Online	15-week

MU111 - Music Theory I (3)

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.

1207 MU111-1	TuTh	3:30 p.m. - 4:45 p.m.	15-week
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MU117 - Choral Ensemble I (1)

Presents a variety of choral literature as the basis for study and presentation. Students participate as members of the Choral Arts Society of Frederick. Three rehearsal hours weekly. Open to all students.

1208 MU117-1C	Tu	7:45 p.m. - 10 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU119 - Jazz Ensemble I (1)

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.

1209 MU119-1	M	7:30 p.m. - 9:45 p.m.	15-week	\$
1210 MU119-2C	W	7:45 p.m. - 10 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU121 - Orchestral Ensemble I (1)

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.

1211 MU121-1C	Th	7:30 p.m. - 9:30 p.m.	15-week	\$
1353 MU121-2	Th	7:30 p.m. - 9:30 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU123 - Wind Ensemble I (1)

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.

1212 MU123-1C	W	6:30 p.m. - 9 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU130 - Foundations of Audio Technology (3)

Prerequisite or Corequisite: EN 75 or EN 52 or ESL 99 or ESL 72

Introduces components of the recording process including a detailed analysis of the nature of sound, human hearing, and basic principles of electricity. Students will learn basic digital audio workstation operation and other skills required to work in the studio.

2034 MU130-1	MW	9:30 a.m. - 10:45 a.m.	13-week	
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Note: This web-enhanced course requires completion of selected online assignments.

1262 MU130-2	TuTh	11 a.m. - 12:15 p.m.	15-week	
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MU145 - Publishing, Licensing, and Copyrighting (3)

Prerequisite or Corequisite: EN 75 or EN 52 or ESL 99 or ESL 72

Examines music publishing, licensing, and copyright procedures used by the professional musician, music administrator, and music producer.

1263 MU145-1	TuTh	1 p.m. - 2:15 p.m.	15-week	
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MU151 - Class Piano I (1)

Offers beginning piano study in a classroom-lab setting. An electronic piano is available for class use. Introduces basic keyboard and musicianship skills, including selected elementary pieces. Enrollment is limited to ten people.

1215 MU151-1C	M	12:30 p.m. - 1:20 p.m.	15-week	\$
1216 MU151-2C	W	12:30 p.m. - 1:20 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU152 - Class Piano II (1)

Prerequisite: MU 151

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.

1217 MU152-1C	M	12:30 p.m. - 1:20 p.m.	15-week	\$
1218 MU152-2C	W	12:30 p.m. - 1:20 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU206 - Aural and Keyboarding Skills III (1)

Prerequisite: MU 107; Corequisite: MU 211

A continuation of Aural and Keyboard Skills II, coordinated with material presented in Music Theory III, including secondary dominants, Neapolitan sixth chords, augmented sixth chords, ensemble work, conducting and more complex chord progressions.

1238 MU206-1	MW	3:30 p.m. - 4:20 p.m.	15-week	
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MU211 - Music Theory III (3)

Prerequisite: MU 112; Corequisite: MU 206

A continuation of Music Theory II, with further work on modulations, dominant relationships, cadential identifications, extended part-writing procedures, four-part chorale analysis and writing, leading tone triads and diatonic seventh chords. Includes binary and ternary forms, characteristics of instrumental writing, the Neapolitan sixth chord and augmented sixth chords, harmonizations with all types of chords and figured bass symbols.

1239 MU211-1	MW	2 p.m. - 3:15 p.m.	15-week	
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MU217 - Choral Ensemble II (1)

Continuation of MU 117-118. Three rehearsal hours weekly.

1240 MU217-1C	Tu	7:45 p.m. - 10 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU219 - Jazz Ensemble II (1)

Prerequisite: MU 119 or MU 120

Continuation of MU 119-120. Three rehearsal hours weekly.

1241 MU219-1	M	5 p.m. - 7:15 p.m.	15-week	\$
1242 MU219-2C	W	7:45 p.m. - 10 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU221 - Orchestral Ensemble II (1)

Prerequisite: MU 121 or MU 122

A continuation of MU 121-122. Three rehearsal hours weekly.

1243 MU221-1C	Th	7:30 p.m. - 9:30 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU223 - Wind Ensemble II (1)

Prerequisite: MU 123 or MU 124

A continuation of Wind Ensemble I. Three rehearsal hours weekly. Applied instruction in chosen instrument recommended concurrently.

1244 MU223-1C	W	6:30 p.m. - 9 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU230 - Studio Recording Techniques (3)

Prerequisite: MU 135

Focuses on contemporary recording techniques associated with popular music production. Topics include multi-track recording, overdubbing, MIDI, and project management.

2062 MU230-1	MW	12:30 p.m. - 1:45 p.m.	15-week	
1938 MU230-2	TuTh	3:30 p.m. - 4:45 p.m.	15-week	

MU240 - MIDI Music Production Techniques (3)

Prerequisite or Corequisite: MU 103

Explores electronic music production. Students will produce electronic music using a variety of software and techniques. Topics will include notation, MIDI and controller programming, sampling, sequencing, virtual instruments, synthesizers, and production techniques.

1264 MU240-1	TuTh	6 p.m. - 7:15 p.m.	15-week	
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MU251 - Class Piano III (1)

Prerequisite: MU 152

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.

2354 MU251-1C	M	12:30 p.m. - 1:20 p.m.	15-week	\$
1245 MU251-2C	W	12:30 p.m. - 1:20 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

MU252 - 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.

2355 MU252-1C	M	12:30 p.m. - 1:20 p.m.	15-week	\$
1246 MU252-2C	W	12:30 p.m. - 1:20 p.m.	15-week	\$

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.



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MU: Applied Music Courses

Additional fees: \$490

Thirteen one-hour lessons of instruction that encompasses technique, theory, style, interpretation and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam.

Instructor Contact List

Laura Armstrong—clarinet/
saxophone. 443.615.1529 larmstrong@frederick.edu
Howard Burns—woodwinds 301.788.3274 hburns@frederick.edu
Jonathan Cresci—trumpet 301.624.2844 jcresci@frederick.edu
Paula Chipman—voice. 301.846.2566 pchipman@frederick.edu
Mark Edwards—guitar. 334.538.0254 medwards@frederick.edu
Lynn Fleming—bass. 301.922.0398 vl Fleming@frederick.edu
Adam Gonzalez—cello 301.219.4826 agonzalez@frederick.edu
Mary Gresock—voice 301.879.2069 mgresock@frederick.edu
Greg Herron—percussion 443.621.8694 gherron@frederick.edu
Suk-Yi Hyun—piano. 240.421.7188 shyun@frederick.edu
Alice Lee—piano 202.270.1667 alee@frederick.edu
Aaron Lovely—low brass. 703.401.8971 alovely@frederick.edu
David Loy—voice. 301.791.7730 dloy@frederick.edu
Michael Raitzyk—Guitar 410.905.3149 mraitzyk@frederick.edu
Jennifer Rundlett—flute 240.675.0866 jrundlett@frederick.edu
Sterling Scroggins—voice. 202.906.0613 sscroggins@frederick.edu
Maryory Serrano—violin/viola 540.664.4068 mserrano@frederick.edu
Lynn Staininger—voice/piano. 240.405.7382 lstaininger@frederick.edu
John Wickelgren—piano. 301.668.0355 jwickelgren@frederick.edu
Fred Wilcox—violin/viola 240.504.6974 fwilcox@frederick.edu

1st & 2nd Year Applied Music Courses

MU 172 - First Year Piano (1)

1219	MU172-1	John Wickelgren	13-week
1220	MU172-2	Lynn Staininger	13-week
1221	MU172-3	Alice Lee	13-week
1222	MU172-4	Suk-Yi Hyun	13-week
2356	MU172-5	David Loy	13-week

MU 174 - First Year Voice (1)

1223	MU174-1	Paula Chipman	13-week
1224	MU174-2	David Loy	13-week
1225	MU174-3	Mary Gresock	13-week
1226	MU174-4	Lynn Staininger	13-week
2104	MU174-5	Sterling Scroggins	13-week

MU 178 - First Year Brass (1)

1227	MU178-1	Jonathan Cresci	13-week
1228	MU178-2	Aaron Lovely	13-week

MU 180 - First Year Woodwinds (1)

1229	MU180-1	Jennifer Rundlett	13-week
1230	MU180-2	Laura Armstrong	13-week
2357	MU180-3	Howard Burns	13-week

MU 182 - First Year Strings (1)

1231	MU182-1	Fred Wilcox	13-week
1232	MU182-2	Flor Maryory Serrano Prada	13-week
1233	MU182-3	Adam Gonzalez	13-week
1234	MU182-4	Vivian Lynn Fleming	13-week

MU 184 - First Year Guitar (1)

1235	MU184-1	Michael Raitzyk	13-week
1236	MU184-2	Mark Edwards	13-week

MU 186 - First Year Percussion (1)

1237	MU186-1	Greg Herron	13-week
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MU 272 - Second Year Piano (1)

1247	MU272-1	John Wickelgren	13-week
1248	MU272-2	Lynn Staininger	13-week
1249	MU272-3	Alice Lee	13-week
1250	MU272-4	Suk-Yi Hyun	13-week
2358	MU272-5	David Loy	13-week

MU 274 - Second Year Voice (1)

1251	MU274-1	Paula Chipman	13-week
1252	MU274-2	David Loy	13-week
1253	MU274-3	Mary Gresock	13-week
1254	MU274-4	Lynn Staininger	13-week
2105	MU274-5	Sterling Scroggins	13-week

MU 278 - Second Year Brass (1)

1255	MU278-1	Jonathan Cresci	13-week
1256	MU278-2	Aaron Lovely	13-week

MU 280 - Second Year Woodwinds (1)

1257	MU280-1	Jennifer Rundlett	13-week
1258	MU280-2	Laura Armstrong	13-week
2359	MU280-3	Howard Burns	13-week

MU 282 - Second Year Strings (1)

1910	MU282-1	Fred Wilcox	13-week
1911	MU282-2	Flor Maryory Serrano Prada	13-week
1912	MU282-3	Adam Gonzalez	13-week
1913	MU282-4	Vivian Lynn Fleming	13-week

MU 284 - Second Year Guitar (1)

1259	MU284-1	Michael Raitzyk	13-week
1260	MU284-2	Mark Edwards	13-week

MU 286 - Second Year Percussion (1)

1261	MU286-1	Greg Herron	13-week
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NM: Nuclear Medicine

NM220 - CT Principles & Instrumentation (3)

Prerequisites: NM 204 and NM 205 OR graduate of NMT program

Provides in-depth study of the physical principles and instrumentation in computed tomography. Covers the production of x-rays and their interactions with matter. Provides information on data acquisition and image reconstruction, processing, and quality. Addresses CT scanner components and operation, scanning factors, and their applications.

1031 NM220-1 SAT 9 a.m. - 11 a.m. 15-week

NM222 - Cross-sectional Anatomy (3)

Prerequisites: NM 204 and NM 205 OR graduate of NMT program

Provides in-depth coverage of cross-sectional anatomy to include the head, neck, chest, abdomen, pelvis, spine, and extremities. Students will become accustomed to viewing anatomy of regions of the body in the different anatomical planes typically produced in cross-sectional imaging. In addition, pathology will be covered as it relates to its presentation on axial images. Special emphasis will be placed upon correlating and recognizing anatomical structures as they appear on medical images produced with CT, MRI, nuclear medicine, and ultrasound.

1032 NM222-1 W 4:30 p.m. - 6:30 p.m. 15-week

NM224 - CT Protocols & Applications (3)

Prerequisites: NM 204 and NM 205 OR graduate of NMT program

Covers the various imaging protocols utilized to produce anatomy and pathology on CT images specific to the central nervous system, neck musculoskeletal system, abdomen and pelvis, musculoskeletal system, thorax, and interventional and special procedures. The student will also become familiar with contrast administration guidelines and timing issues related to dynamic imaging. Spiral CT, 3D reconstruction procedures, and vascular imaging are discussed and compared with routine imaging of the same anatomical regions.

1033 NM224-1 SAT 11 a.m. - 1 p.m. 15-week

NU: Nursing

NU101 - Introduction to Clinical Nursing (6)

Cultural Competence

Prerequisites: BI 103, BI 104, BI 120; passing score on the Math for Medication Safety test

Introduces concepts of professional nursing. Emphasis is on the acquisition and application of basic knowledge, skills, and professional behaviors needed for the delivery of comprehensive care to the adult client.

1351 NU101-1LC TuW 8 a.m. - 11 a.m. 15-week

1352 NU101-2LC TuW 12 p.m. - 3 p.m. 15-week

1353 NU101-11LB ASG 15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

NU105 - Pharmacology for Nurses (2)

Prerequisite: Passing score on the Math for Medication Safety test

Provides instruction in basic pharmacology necessary for providing safe and effective medication administration. Content includes essential drug knowledge needed to adequately assess, administer, and evaluate drug effects in clients. Emphasis is on the acquisition and application of basic knowledge needed for the delivery of comprehensive care to clients in all healthcare settings.

1916 NU105-HYB1 W 9 a.m. - 11 a.m. 15-week

1917 NU105-HYB2 W 12 p.m. - 2 p.m. 15-week

NU211 - Medical-Surgical Nursing I (7)

Prerequisite: NU 101; passing score on the Math for Medication Safety test

Introduces the study of the adult client with acute and chronic alterations in wellness. Emphasis is on assimilation and knowledge, skills, and professional behaviors needed for the delivery of comprehensive care.

1354 NU211-1LC MTu 5 p.m. - 7 p.m. 15-week

1355 NU211-11LB ASG 15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

NU212 - Medical-Surgical Nursing II (4)

Prerequisites: NU 210, NU 211; passing score on the Math for Medication Safety test

Continues study of the adult client with increasingly complex acute and chronic alterations in health. Emphasis is on assimilation of knowledge, skills, and professional behaviors needed for the delivery of comprehensive care.

1356 NU212-1LC M 8 a.m. - 10 a.m. 15-week

1357 NU212-2LC Th 8 a.m. - 10 a.m. 15-week

1358 NU212-11LB ASG 15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

NU213 - Medical-Surgical Nursing III (4)

Prerequisites: NU 212, NU 214; passing score on the Math for Medication Safety test

Continues study of the adult client with acute, complex, and critical alterations in health. Emphasis is on the adaptation of knowledge, skills, and attitudes needed for the delivery of comprehensive care.

1359 NU213-1LC W 5 p.m. - 7 p.m. 15-week

1360 NU213-11LB ASG 15-week

NU214 - Psychiatric/Mental Health Nursing (3)

Prerequisites: NU 210, NU 211; passing score on the Math for Medication Safety test

Examines the impact of mental illness on the individual, family, and community. Explores treatment options and issues; and reviews the evidence-based principles and practice of psychiatric-mental health nursing. Emphasis is placed on the adaptation of knowledge, skills, and attitudes related to caring for clients with alterations in mental health.

1361 NU214-1LC Th 5 p.m. - 7 p.m. 15-week

1362 NU214-11LB ASG 15-week

NU216 - Preparation for Practice (2)

Prerequisites: NU 212, NU 214; passing score on the Math for Medication Safety test

Facilitates the student's adaptation into professional nursing practice. Explores current trends in nursing and concepts related to the nurse as a professional, a member of the health care team, and manager of client care.

1363 NU216-1LC W 7:30 p.m. - 9 p.m. 15-week

1364 NU216-11LB ASG 15-week

NU218 - Maternal, Child, and Family Nursing (5)

Prerequisites: NU 211; passing score on the Math for Medication Safety test

Introduces maternal, child, and family nursing. Focuses on the reproductive phase of family life, the specific health needs of women from adolescence to menopause, the healthy newborn, and pediatric clients with acute alterations in health. Emphasis is on assimilation of knowledge, skills, and professional behaviors needed for delivery of family-centered, comprehensive care.

2110 NU218-1LC M 10 a.m. - 3 p.m. 15-week

2111 NU218-2LC Th 10 a.m. - 3 p.m. 15-week

2112 NU218-11LB ASG 15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

PC: Physical Science

PC103 - Survey of Physical Science (3)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

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.

1593 PC103-1 **MW** **8 a.m. - 9:15 a.m.** **15-week**

1594 PC103-2 **TuTh** **12:30 p.m. - 1:45 p.m.** **13-week**

Note: This web-enhanced course requires completion of selected online assignments.

1595 PC103-ONL1  **Online** **15-week**

PC104 - The Water Planet: Introduction to Oceanography (3)


Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

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.

2150 PC104-1 **W** **9:30 a.m. - 12 p.m.** **15-week**

1596 PC104-ONL1  **Online** **15-week**

2339 PC104-ONL2  **Online** **2nd 8-week**

PC105 - Survey of Meteorology (3)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

Surveys the basic physics of the atmosphere and the diagnostic tools of the meteorologist. Includes some discussion of applied meteorology, forecasting, pollution, and climatology. Students cannot receive credit for both PC 105 and PC 106.

1597 PC105-1 **TuTh** **8 a.m. - 9:15 a.m.** **15-week**

PC106 - Introduction to Meteorology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

Surveys the basic physics of the atmosphere and the diagnostic tools of the meteorologist. Includes some discussion of applied meteorology, forecasting, pollution, and climatology. Meets the requirement for a general education science lab course. Students cannot receive credit for both PC 106 and PC 105.

1598 PC106-ONL1  **Online** **15-week**

PC107 - Introductory Astronomy (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

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.


1599 PC107-1LC **M** **12:30 p.m. - 3:05 p.m.** **15-week** **\$**

1600 PC107-11LB **W** **12:30 p.m. - 3 p.m.** **15-week** **\$**

1601 PC107-2LC **Tu** **6 p.m. - 8:35 p.m.** **15-week** **\$**

1602 PC107-21LB **Th** **6 p.m. - 8:30 p.m.** **15-week** **\$**

Note: Students must register for corresponding lecture (LC) and lab (LB).

 **No/Low Cost Course Section:** The textbook costs for this course are under \$40.

PC109 - Physical Geology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

Introduces the physical and chemical processes that occur along the surface of the earth and within the earth's interior. Topics include plate tectonics, earthquakes, volcanoes, rocks and minerals, geologic maps, and the origin and continual modification of surface features. Meets the requirement for a general education science lab course.

1603 PC109-1LC **M** **9:30 a.m. - 12:05 p.m.** **15-week**

1604 PC109-11LB **W** **9:30 a.m. - 12 p.m.** **15-week**

Note: Students must register for corresponding lecture (LC) and lab (LB).

PC114 - Introduction to Physical Science (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

Introduces the fundamental concepts of physics and chemistry with an emphasis on matter, motion, and energy. An inquiry-based, activities-oriented approach is used that emphasizes both conceptual and quantitative understandings of the physical world. Meets the requirement of a general education science lab course. Students cannot receive credit for both PC 114 and PC 103.

1605 PC114-1LC **Tu** **9:30 a.m. - 12:05 p.m.** **15-week**

1606 PC114-11LB **Th** **9:30 a.m. - 12 p.m.** **15-week**

1997 PC114-2LC **M** **5:30 p.m. - 8:05 p.m.** **15-week**

1998 PC114-21LB **W** **5:30 p.m. - 8 p.m.** **15-week**

Note: Students must register for corresponding lecture (LC) and lab (LB).

PC115 - Introduction to Earth Systems Science (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 81 or MA 83 or MA 85 or MA 103 or MA 103A or MA 105 or MA 206 or MA 206A or MA 207 or appropriate score on mathematics placement test)

Presents an overview of the solid, fluid, and living parts of the Earth system with an emphasis on how those parts are interconnected and ever changing. An inquiry-based, activities-oriented approach is used in the course. Meets the requirement for a general education science lab course.

1607 PC115-1LC **M** **12:30 p.m. - 3:05 p.m.** **15-week**

1608 PC115-11LB **W** **12:30 p.m. - 3 p.m.** **15-week**

Note: Students must register for corresponding lecture (LC) and lab (LB).

1609 PC115-ONL1  **Online** **15-week**

Physical Science Notes:

PC108 - Historical Geology offered spring semester only.

PC109 - Physical Geology offered fall semester only.

PC121 - Energy and Society offered spring semester only.



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PE: Physical Education

PE108 - 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.

2283 PE108-1 M 5 p.m. - 7:30 p.m. 2nd 7-week

PE153 - Introduction to Health and Exercise Sciences (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR Corequisite: EN 75

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.

1034 PE153-1 TuTh 12:30 p.m. - 1:45 p.m. 15-week

Note: Offered in the fall semester only.

PE154 - Fitness for Living (3)

Gen Ed Wellness

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR Corequisite: EN 75

Covers the components of physical fitness, stress, care of the back, nutrition and weight control. Evaluations in all areas included through laboratory experiences.

1035 PE154-1 MW 11 a.m. - 12:15 p.m. 15-week

1036 PE154-2 MW 12:30 p.m. - 1:45 p.m. 15-week

1037 PE154-3 MW 2 p.m. - 3:15 p.m. 15-week

1038 PE154-4 TuTh 9:30 a.m. - 10:45 a.m. 15-week

1039 PE154-5 TuTh 11 a.m. - 12:15 p.m. 15-week

PE160 - 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.

1040 PE160-1 W 1 p.m. - 3 p.m. 2nd 7-week

PE161 - Psychology of Sport (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR Corequisite: EN 75

An exploration of the personality factors, including, but not limited to, motivation, aggression and emotion as they affect sports participation and motor skill performance.

2040 PE161-1 TuTh 12:30 p.m. - 1:45 p.m. 15-week

Note: Offered in the Fall semester only.

PE165 - Volleyball (1)

Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

1041 PE165-1 M 8:30 a.m. - 10:30 a.m. 2nd 7-week

PE166 - Weight Training (1)

Provides orientation, instruction and participation in specific weight training skills, rules, safety and etiquette of the sport.

1042 PE166-1 MW 11 a.m. - 12:15 p.m. 2nd 7-week

1043 PE166-2 M 2 p.m. - 3 p.m. 15-week

1044 PE166-3 W 2 p.m. - 3 p.m. 15-week

1045 PE166-4 M 5 p.m. - 7 p.m. 2nd 7-week

PE179 - Tennis I (1)

Introduces the basic skills of tennis, including the basic grips, forehand and backhand groundstrokes, volleys and serves; covers the rules and etiquette of the sport.

2041 PE179-1 MW 11 a.m. - 12:15 p.m. 1st 7-week

Note: After first day, class will meet out at the tennis courts. In the event of inclement weather, class will meet in D100 (gym).

PE181 - Golf I (1)

Introduces the basic skills of golf, including the grip, stance, addressing the ball, aiming, putting, chipping, pitching and the basic full swing; covers the rules and etiquette of the sport.

1046 PE181-1 W 5 p.m. - 7 p.m. 1st 7-week

Note: Course meets on campus for the first 3 weeks. For weeks 4-7, class held offsite at Saber Golf and Rec (formerly Liberty Road Golf Center). Fee paid at site is approx. \$35 (\$8 - \$9 per class for last four classes) paid at site.

PE187 - 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.

2042 PE187-1 F 5 p.m. - 7 p.m. 1st 7-week

Note: Class will be held at Ballroom Dance in Frederick. In addition to Friday classes, two Saturday evening, and two Tuesday evening practice parties are required, both held at Ballroom Dance in Frederick. There is no additional charge for the practice parties.

PE188 - 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.

1047 PE188-1 M 9:30 a.m. - 12 p.m. 15-week

1048 PE188-2 F 9:30 a.m. - 12 p.m. 15-week

2043 PE188-HYB1 W 6 p.m. - 8:35 p.m. 1st 7-week

1049 PE188-HYB2 W 6 p.m. - 8:35 p.m. 2nd 7-week

PE190 - 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.

1050 PE190-1 TuTh 9:30 a.m. - 10:45 a.m. 2nd 7-week

PE193 - 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.

2044 PE193-1 F 5 p.m. - 7 p.m. 2nd 7-week

Note: Class will be held at Ballroom Dance in Frederick. In addition to Friday classes, two Saturday evening, and two Tuesday evening practice parties are required, both held at Ballroom Dance in Frederick. There is no additional charge for the practice parties.

PE195 - Tai Chi (1)

Tai Chi is a unique and traditional Chinese exercise. The benefits of practice include strengthening health, preventing illness, and slowing the effects of aging. The class is designed to provide students with a basic knowledge and history of Tai Chi, and to provide an opportunity to learn and master Tai Chi skills.

1051 PE195-1 TuTh 2 p.m. - 3:15 p.m. 3rd 5-week

PE196 - Kickboxing (1)

Provides basic fundamentals of Lethwei (Burmese Kickboxing). Basic principles, history, and styles and linguistics of the fighter will be covered. This course emphasizes safety for the student and the instructor. There will be no competitive fights or hard physical contact between students during this course. Mental and physical control as well as proper training etiquette will always be maintained.

1052 PE196-1 F 11 a.m. - 1 p.m. 2nd 7-week

Note: Class held at Bowerhouse Academy located at 7311 Grove Rd Suite D, Frederick, MD 21704. Additional \$65 fee paid at site on first day of class. Use of gym facilities for duration of this course is included as well as a t-shirt, new pair of boxing gloves, and boxing hand wraps.

PE198A - Fitness: Boot Camp (1)

Engages students in full body exercises, especially utilizing body weight. The course strives to dramatically increase the participant's level of muscular activity to affect positive changes in fitness levels. It also integrates fitness research with practical application for understanding the effectiveness of exercise.

1053 PE198A-1 TuTh 12:30 p.m. - 1:45 p.m. 1st 7-week

PE198C - Fitness: Zumba (1)

Zumba Fitness is a Latin-inspired, high-energy, cardio-dance workout that uses music and various easy-to-follow choreographed steps. Along with music styles such as Latin, Hip-Hop, Jazz, Pop, and other genres, Zumba incorporates interval training, alternating fast and slow rhythms, and resistance training.

1054 PE198C-1 TuTh 11 a.m. - 12:15 p.m. 1st 7-week

PE237 - Exercise Psychology (1)

Introduces the psychological factors that affect exercise participation and performance.

2045 PE237-1 M 2:30 p.m. - 4:30 p.m. 1st 7-week

1056 PE237-ONL1 Online 2nd 7-week

PE241 - Methods of Fitness and Conditioning (1)

Designed for those who will be assisting others with exercise. Integrates fitness research and application, and emphasizes teaching methodologies employed in training programs that focus on group exercise. Students will apply teaching methodologies through individual and group training.

1057 PE241-1 TuTh 11 a.m. - 12:15 p.m. 2nd 7-week

PE247 - Methods of Strength Training (1)

Designed for those who will be assisting others in a training program emphasizing muscular fitness. Emphasizes teaching methodologies employed in training programs that focus on muscular fitness. Students will apply teaching methodologies as they practice training with individuals or small groups.

1058 PE247-1 TuTh 11 a.m. - 12:15 p.m. 1st 7-week

PE250 - Care and Prevention of Athletic Injuries (3)

Prerequisite or Corequisite: EN 75 or EN 52 or ESL 99 or ESL 72

Introduces the basic principles for care and prevention of athletic injuries. Emphasis will be placed on scientific applications for recognition, diagnosis, classification, treatment and rehabilitation of body.

1059 PE250-1 MW 9:30 a.m. - 10:45 a.m. 15-week

PH: Philosophy

PH101 - Introduction to Philosophy (3)

Gen Ed Humanities

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Surveys the major intellectual problems faced by great philosophers of all ages.

1265 PH101-1 MW 11 a.m. - 12:15 p.m. 15-week

1939 PH101-2 TuTh 9:30 a.m. - 10:45 a.m. 15-week

1266 PH101-3 TuTh 2 p.m. - 3:15 p.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

1940 PH101-ONL1 Online 2nd 8-week

PH204 - World Religions (3)

Gen Ed Humanities; Cultural Competence

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR Corequisite: EN 75

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.

1267 PH204-1 MW 9:30 a.m. - 10:45 a.m. 13-week

Note: This web-enhanced course requires completion of selected online assignments.

1268 PH204-2 MW 2 p.m. - 3:15 p.m. 15-week

2031 PH204-3 TuTh 6 p.m. - 7:15 p.m. 15-week

1269 PH204-ONL1 Online 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

PH205 - Ethics (3)

Gen Ed Humanities

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces the problems and possibilities of moral philosophy and ethical decision making.

1270 PH205-1 TuTh 12:30 p.m. - 1:45 p.m. 15-week

PH206 - Logic (3)

Gen Ed Humanities

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Introduces basic problems in the use of logic and language. Improves the use of language and sound principles of reasoning.

1271 PH206-1 TuTh 11 a.m. - 12:15 p.m. 15-week

PH207 - Biomedical Ethics (3)

Gen Ed Humanities

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

1941 PH207-1 TuTh 12:30 p.m. - 1:45 p.m. 15-week

2351 PH207-ONL1 Online 15-week

PH208 - Business Ethics (3)

Gen Ed Humanities

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Introduces business ethics. Clarifies moral obligations and ethical dilemmas for managers who make business decisions.

1272 PH208-1 MW 6 p.m. - 7:15 p.m. 15-week

PH209 - Environmental Ethics (3)

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

2352 PH209-ONL1 Online 15-week

PI: Political Science

PI104 - American Government: National (3)

Gen Ed Political Science

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

1844 PI104-1 TuTh 12:30 p.m. - 1:45 p.m. 15-week

1845 PI104-2 M 6 p.m. - 8:35 p.m. 15-week

1846 PI104-ONL1 Online 15-week

PLAC: Prior Learning Assessment Course

PLAC101 - Prior Learning Assessment: Portfolio Development (1)

Prerequisite: EN101

Examines and applies college-level learning gained from life experiences that align with specific courses offered by the college and are related to students educational goals. Students will document experiential learning through the assembling of various components into a portfolio, demonstrating an understanding of the portfolio development process of collecting, selecting, reflecting, and projecting. The Prior Learning Assessment (PLA) portfolio development course provides a series of structured activities and strategic approaches for students to prepare petitions to submit portfolios for credit from prior learning.

2361 PLAC101-1 Th 12 p.m.-2:30 p.m. 15-week



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

PS: Psychology

PS101 - General Psychology (3)

Gen Ed Psychology

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Emphasizes the major factors that influence human behavior, including behavioral neuroscience, perceptual processes, consciousness, intelligence, personality and psychological disorders.

1847 PS101-1	MW	8 a.m. - 9:15 a.m.	15-week	\$
2098 PS101-2	MW	8 a.m. - 9:15 a.m.	15-week	
1848 PS101-3	MW	9:30 a.m. - 10:45 a.m.	15-week	
1849 PS101-4	MW	11 a.m. - 12:15 p.m.	15-week	
1850 PS101-5	MW	12:30 p.m. - 1:45 p.m.	13-week	

Note: This web-enhanced course requires completion of selected online assignments.

1851 PS101-6	MW	2 p.m. - 3:15 p.m.	15-week	
2249 PS101-7	MW	3:30 p.m. - 4:45 p.m.	15-week	
1852 PS101-8	TuTh	8 a.m. - 9:15 a.m.	15-week	\$
1853 PS101-9	TuTh	9:30 a.m. - 10:45 a.m.	15-week	\$
1854 PS101-10	TuTh	11 a.m. - 12:15 p.m.	15-week	
2250 PS101-11	TuTh	11 a.m. - 12:15 p.m.	13-week	

Note: This web-enhanced course requires completion of selected online assignments.

1855 PS101-12	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
1857 PS101-13	TuTh	2 p.m. - 3:15 p.m.	15-week	\$
1858 PS101-14	TuTh	3:30 p.m. - 6 p.m.	2nd 8-week	
1859 PS101-15	F	8 a.m. - 10:35 a.m.	15-week	
1856 PS101-16	M	6 p.m. - 8:35 p.m.	15-week	
1860 PS101-17	W	6 p.m. - 8:30 p.m.	15-week	
2314 PS101-HYB1	M	6 p.m. - 7:15 p.m.	1st 8-week	
1861 PS101-ONL1		Online	15-week	
1862 PS101-ONL2		Online	15-week	
1871 PS101-ONL3		Online	2nd 8-week	

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

PS101H - General Psychology (3)

Gen Ed Psychology

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Emphasizes the major factors that influence human behavior, including behavioral neuroscience, perceptual processes, consciousness, intelligence, personality and psychological disorders.

1935 PS101H-1	MW	11 a.m. - 12:15 p.m.	15-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

PS104 - Issues of Drug/Alcohol Use (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

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.

1863 PS104-ONL1		Online	13-week	
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PS202 - Social Psychology (3)

Gen Ed Psychology

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)

Explores the effects of the social environment upon the human organism through the study of interpersonal relationships, and the social influences on cognitive processes such as social perception, attribution, persuasion, prejudice and discrimination, aggression, prosocial behavior and group interaction.

1864 PS202-1	MW	9:30 a.m. - 10:45 a.m.	15-week	
1865 PS202-2	TuTh	2 p.m. - 3:15 p.m.	15-week	
1866 PS202-ONL1		Online	13-week	

PS204 - Psychology of Adolescence (3)

Prerequisite: PS 101

Explores physiological, psychological and social dilemmas of the adolescent. Considers relevant contemporary research and behavioral determinants.

1867 PS204-1	MW	11 a.m. - 12:15 p.m.	15-week	
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PS206 - 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.

2097 PS206-1	MW	11 a.m. - 12:15 p.m.	15-week	
1868 PS206-2	TuTh	12:30 p.m. - 1:45 p.m.	15-week	
2251 PS206-3	W	6 p.m. - 8:35 p.m.	15-week	
1869 PS206-ONL1		Online	13-week	

PY: Physics

PY201 - Fundamentals of Physics (4)

Gen Ed Science

Prerequisites: Completion of high school physics or PY 101 strongly recommended, and (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 111 or (MA 130 and MA 131)

Presents an introductory study of physics, with the fundamental principles of mechanics, dynamics and mechanical waves. Emphasizes problemsolving and modeling of physical systems.

1610 PY201-1LC	Tu	5:30 p.m. - 8:05 p.m.	15-week	\$
1611 PY201-11LB	Th	5:30 p.m. - 8 p.m.	15-week	\$

Note: Students must register for corresponding lecture (LC) and lab (LB).

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

PY203 - Introductory Physics I (4)

Gen Ed Science

Prerequisites: Completion of high school physics or PY 101 strongly recommended, and (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 210

Presents an introductory study of physics covering the fundamental principles of mechanics, dynamics and mechanical waves. Emphasizes problem solving and modeling of physical systems. Physical laws and theories are developed by the application of calculus. Prepares students for advanced work in the physical sciences. An analytical course primarily for majors in science or mathematics.

1612 PY203-1LC	Tu	12:30 p.m. - 3:05 p.m.	15-week	\$
1613 PY203-11LB	Th	12:30 p.m. - 3 p.m.	15-week	\$

1614 PY203-2LC	M	5:30 p.m. - 8:05 p.m.	15-week	\$
1615 PY203-21LB	W	5:30 p.m. - 8 p.m.	15-week	\$

Note: Students must register for corresponding lecture (LC) and lab (LB).

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

PY204 - Introductory Physics II (4)

Gen Ed Science

Prerequisites: PY 203, MA 211

Continues the study of fundamental principles of physics. Topics include thermodynamics, electricity and magnetism, optics and modern physics. The theoretical approach and use of calculus are continued.

1616 PY204-1LC	M	9:30 a.m. - 12:05 p.m.	15-week	\$
1617 PY204-11LB	W	9:30 a.m. - 12 p.m.	15-week	\$

Note: Students must register for corresponding lecture (LC) and lab (LB).

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

Physics Notes:

PY201 - Fundamentals of Physics offered fall semester only.

PY202 - Fundamentals of Physics offered spring semester only.

RC: Respiratory Care

RC100 - Introduction to Respiratory Care (2)

Prerequisite: BI 103

Introduces respiratory care as a profession, including the healthcare environment and the respiratory care practitioner's role on the healthcare team. Specific topics include the holistic concept of patient care, psychosocial issues with particular attention to death and dying, medicolegal and ethical considerations of respiratory care, and professional interpersonal relationships. Topics also include medical terminology, infection control techniques, and physical assessment methods.

1060	RC100-1	M	8 a.m. - 9:40 a.m.	15-week
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RC102 - 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.

1061	RC102-1LC	M	10 a.m. - 12:30 p.m.	15-week
1062	RC102-11LB	Tu	10 a.m. - 11:25 a.m.	15-week
1063	RC102-12LB	Tu	11:30 a.m. - 1 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

RC104 - 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.

1064	RC104-1	Tu	8 a.m. - 9:40 a.m.	15-week
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RC202 - Neonatal and Pediatric Respiratory Care (3)

Prerequisites: RC 103, RC 105, 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.

1065	RC202-1LC	W	8 a.m. - 9:40 a.m.	15-week
1066	RC202-11LB	W	10 a.m. - 11:30 a.m.	15-week
1067	RC202-12LB	W	11:45 a.m. - 1:15 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

RC204 - Cardiac Monitoring and Diagnostics (4)

Prerequisites: RC 103, RC 105, RC 107, 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.

1068	RC204-1LC	M	10 a.m. - 12:30 p.m.	15-week
1069	RC204-11LB	M	1 p.m. - 2:25 p.m.	15-week
1070	RC204-12LB	M	2:30 p.m. - 4 p.m.	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB).

RC206 - Pulmonary Diagnostics (2)

Prerequisites: RC 103, RC 105, RC 107, RC 110

Includes a detailed analysis of all major parameters of ventilatory measurement as well as diagnostic significance of deviations from predicted normal values.

1071	RC206-1	M	8 a.m. - 9:40 a.m.	15-week
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RC208 - Clinical Practicum III (2)

Prerequisites: RC 103, RC 105, RC 107, RC 110

Develops advanced skills in the critical care environment regarding management of the patient dependent upon mechanical ventilation. Practical experiences gained in hemodynamic monitoring. Students will rotate through operating rooms to observe thoracic and cardiovascular surgeries and intubations.

1072	RC208-1	TuTh	7 a.m. - 2 p.m.	15-week
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Note: Held at hospital

SO: Sociology

SO101 - Introduction to Sociology (3)

Gen Ed Sociology




Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Introduces the student to the study of society and the impact of society upon the individual. Exemplifies social processes in cultural patterns and institutions. Examines group values at various levels of human relationship.

1872	SO101-1	MW	9:30 a.m. - 10:45 a.m.	15-week
1873	SO101-2	MW	11 a.m. - 12:15 p.m.	13-week

Note: This web-enhanced course requires completion of selected online assignments.

1874	SO101-3	MW	12:30 p.m. - 1:45 p.m.	15-week
1875	SO101-4	MW	2 p.m. - 3:15 p.m.	15-week
2099	SO101-5	MW	3:30 p.m. - 6 p.m.	2nd 8-week
1876	SO101-6	TuTh	8 a.m. - 9:15 a.m.	15-week
2316	SO101-7	TuTh	9:30 a.m. - 10:45 a.m.	15-week
1877	SO101-8	TuTh	11 a.m. - 12:15 p.m.	15-week
1878	SO101-9	TuTh	12:30 p.m. - 1:45 p.m.	15-week
2317	SO101-10	TuTh	2 p.m. - 3:15 p.m.	15-week
1880	SO101-11	F	8 a.m. - 10:35 a.m.	15-week
1881	SO101-12	Tu	6 p.m. - 8:30 p.m.	13-week



Note: This web-enhanced course requires completion of selected online assignments.

1889	SO101-13	W	6 p.m. - 8:35 p.m.	15-week
2315	SO101-HYB1	M	6 p.m. - 7:15 p.m.	2nd 7-week
1882	SO101-ONL1		Online	15-week
1883	SO101-ONL2		Online	15-week
1890	SO101-ONL3		Online	13-week

SO102 - Social Problems (3)


Gen Ed Sociology; Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Offers the study of community problems and sociological processes involved in the analysis of universal and local sociological phenomena.

1885	SO102-1	MW	9:30 a.m. - 10:45 a.m.	15-week
1936	SO102-2	MW	2 p.m. - 3:15 p.m.	15-week
2254	SO102-3	TuTh	8 a.m. - 9:15 a.m.	15-week
1884	SO102-4	TuTh	2 p.m. - 3:15 p.m.	15-week
2313	SO102-ONL1		Online	15-week
1886	SO102-ONL2		Online	13-week

SO201 - Criminology (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Explores criminal behavior and the methods of its study, causation, types of criminal acts and offenders, punishment, correction and incarceration and prevention of crime.

1887	SO201-1	TuTh	2 p.m. - 3:15 p.m.	15-week
1888	SO201-ONL1		Online	15-week

SO210 - Ethnic Diversity (3)

Gen Ed Sociology; Cultural Competence

Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

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.

1842	SO210-ONL1		Online	15-week
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SO212 - Gender and Society (3)

Gen Ed Sociology; Cultural Competence

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
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.

1950	SO212-1	MW	11 a.m. - 12:15 p.m.	15-week
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ST: Surgical Technology

ST120 - Surgery Essentials (3)

*** Surgical Technology fee per class: \$425**

Prerequisites: MDA 108 or MDA 109, BI 103 and BI 104

Provides an introduction to the surgical environment and to the essential skills required of a surgical technologist. Emphasizes the fundamental concepts of sterile technique, critical thinking, and professionalism. Application and demonstration of essential surgical technology skills and concepts are required to advance in the program.

1073 ST120-11C SAT 8 a.m. - 11 a.m. 1st 5-week

Note: Due to the Labor Day holiday weekend, ST120-11C meets on Monday, 8/27, 4:30 p.m.-7:30 p.m. for the first week only and meets on Saturdays, 8 a.m.-11 a.m. (beginning 9/8) for the rest of the session.

1074 ST120-11LB WTh 10 a.m. - 1 p.m. 1st 5-week

2363 ST120-12LB WTh 2 p.m. - 5 p.m. 1st 5-week

2364 ST120-13LB W 5 p.m. - 8 p.m. 1st 5-week

SAT 12 p.m. - 3 p.m. 1st 5-week

Note: Due to the Labor Day holiday weekend, ST120-13LB meets on Wednesday, 8/29 and Thursday, 8/30, 5 p.m.-8 p.m. for the first week only and meets on Wednesdays, 5 p.m.-8 p.m. (beginning 9/5) and Saturdays, 12 p.m.-3 p.m. (beginning 9/8) for the rest of the session.

Note: Students must register for lecture (LC) and one lab (LB).

ST100 - Fundamentals of Surgical Technology I (6)

*** Surgical Technology fee per class: \$100**

Prerequisite: ST 120

Develops concepts, skills and attitudes needed by students to perform as members of a surgical team. Demonstration of competence in basic skills is essential. 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.

1075 ST100-11C SAT 8 a.m. - 11 a.m. 2nd 10-week

1076 ST100-11LB WThF 6:45 a.m. - 3 p.m. 2nd 10-week

Note: ST100-11LB held at hospital.

1077 ST100-12LB WTh 10 a.m. - 1 p.m. 2nd 10-week

2365 ST100-13LB WTh 2 p.m. - 5 p.m. 2nd 10-week

2366 ST100-14LB W 5 p.m. - 8 p.m. 2nd 10-week

SAT 12 p.m. - 3 p.m. 2nd 10-week

Note: Students must register for ST100-11C (lecture), ST100-11LB (lab), and one of the following additional labs: ST100-12LB, ST100-13LB, or ST100-14LB.

ST101 - Introduction to Surgical Technology (6)

Cultural Competence

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, all-hazards preparation, and teamwork.

1078 ST101-11C Tu 12 p.m. - 7 p.m. 2nd 10-week

ST200 - Fundamentals of Surgical Technology II (12)

*** Surgical Technology fee per class: \$250**

Prerequisite: ST 100

Provides the student with theory and practice related to the dynamic role of the surgical technologist in classroom, laboratory, and clinical settings. Preceptored clinical experiences focus on participation during complex surgical procedures, advancement of skill level, and critical thinking.

1079 ST200-11C M 9 a.m. - 2:30 p.m. 15-week

1080 ST200-11LB WThF 6:45 a.m. - 3 p.m. 15-week

Note: ST200-11LB held at hospital.

Note: Students must register for the lecture (LC) and the lab (LB).



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THR: Theater

THR101 - Introduction to Theatre (3)

Gen Ed Arts

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR Corequisite: EN 75

Introduces the history of drama and the theatre through reading, viewing and discussing plays.

1274 THR101-1 MW 9:30 a.m. - 10:45 a.m. 15-week

1275 THR101-2 TuTh 11 a.m. - 12:15 p.m. 15-week

Note: This web-enhanced course requires completion of selected online assignments.

THR102 - Introduction to Acting (3)

Offers a basic study of acting, through both a historical perspective and in-depth exercises.

1276 THR102-1 MW 11 a.m. - 12:15 p.m. 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

THR107 - Improvisation I (3)

Provides students with a basic overview of modern improvisation techniques. Emphasis will be placed on techniques used to build confidence, creativity, critical thinking, and learn team building skills. Course offers an introduction of improvisation as a tool for professional auditions and performances.

1277 THR107-1 TuTh 2 p.m. - 3:15 p.m. 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

THR121 - 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.

1278 THR121-1 Th 3:30 p.m. - 6:05 p.m. 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

THR204 - Production Survey (1)

Students participate in a campus theater production as a member of the production crew. May be taken for credit three times.

1279 THR204-1 TBA 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

THR205 - Acting Survey (1)

Prerequisite: Permission of the instructor

Students participate in a campus theater production as a member of the cast. May be taken for credit three times.

1280 THR205-1 TBA 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

THR207 - Improvisation II (3)

Prerequisite: THR 107

Explores advanced improvisation techniques for public presentation. Emphasis will be placed on advanced techniques used to build confidence, creativity, critical thinking, and learn team building skills. The class offers an in-depth exploration of improvisation as a tool for professional auditions, performance, and character building.

1281 THR207-1 TuTh 2 p.m. - 3:15 p.m. 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

THR212 - Theatre 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.

1282 THR212-1 TBA 15-week

\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.



Online & Hybrid Courses

Please read the following requirements before registering for an online or hybrid course.

Frederick Community College offers two types of courses over the Internet: hybrid courses and online courses. Hybrid courses require the student to attend some class sessions on campus; online courses do not. Any course section with the letters "HYB" indicates a hybrid course. The mouse icon (🖱️) indicates online courses.

Both online and hybrid courses are taught on Blackboard™ and require that students:

- Have Internet access through broadband connection or Wi-Fi (wireless)
- Have access to a Windows, Mac, or Linux computer
- Have Windows 8 or higher, Mac OS X, or Linux with Ubuntu 14 or higher
- Have Internet Explorer 8 or higher, or the most recent version of Mozilla Firefox or Google Chrome, all with the most recent Java and Flash updates applied
- Establish a myFCC e-mail account;
- Have basic computer skills in word processing, e-mail procedures, web-browsing, and handling features such as pop-up blockers;
- Are responsible for maintaining appropriate security and virus protection when using the student's own personal computer(s).

Students should expect to spend as much time on an Internet course as they would on a traditional on-campus course.

Students should be self-motivated to handle the independent nature of learning that occurs in online courses.

Access to Blackboard: <https://frederick.blackboard.com>. Username and Password are the same as your Peoplesoft and Outlook password. When logging in for the first time students will need to go to <https://password.frederick.edu/> to reset your password.

Textbooks: Purchase textbooks from the FCC Bookstore. Make sure you select books for the online section of the course as they may differ from textbooks used in on-campus sections. Some instructors require the corresponding access code for web resources.

Email Advising (emailadvising@frederick.edu): If you are unable to come on campus for advising services, Email Advising is available to all current FCC students using their <http://myFCC.frederick.edu> email accounts. Please provide your full name and Student ID number. Typical response time is 24-48 hours depending on the information requested.

Note: Students will need to contact the Distributed Learning office for permission to register in an online section after the second day of courses.

Online and Hybrid Orientation

**Broadcast live online
August 23 at 7 p.m.**

<http://tinyurl.com/kjqfz94>

Learn about the special demands of online learning,
and preview an actual online course.

A recording of the orientation will be available for students
unable to participate in the live viewing.

No registration necessary.





2018

Online Courses

The mouse icon (🖱) indicates online courses.

See complete course descriptions and prerequisites and/or corequisites in the main course section of this schedule.

Note: All course sections require access to Blackboard at <https://frederick.blackboard.com>. Students are expected to be able to access Blackboard via the internet using personal, public, or available college computers. Online course work will be required for some web-enhanced classes. Consult the instructor regarding expectations for participation. Course websites may host learning resources including required reading and assessments. Blackboard access is also required to complete course evaluations. Google Chrome is the preferred browser. **Students will need to contact the Distributed Learning Office for permission to register in an online section after the second day of classes.**

ACCT: Accounting

ACCT101 - Principles of Accounting I (3)
1626 ACCT101-ONL1 15-week \$

ACCT102 - Principles of Accounting II (3)
1630 ACCT102-ONL1 15-week \$

AN: Anthropology

AN101 - Introduction to Anthropology (3)
1778 AN101-ONL1 13-week
2146 AN101-ONL2 2nd 8-week

AR: Art

AR100 - Introduction to the Creative Arts (3)
1085 AR100-ONL1 15-week
AR104 - The History of Art: Prehistoric to Early Renaissance (3)
1093 AR104-ONL1 13-week \$

ASLS: American Sign Language Studies

ASLS106 - Introduction to Deaf Community and History (3)
1131 ASLS106-ONL1 15-week

BI: Biological Science

BI117 - Study of the Human Body (3)
1521 BI117-ONL1 13-week
Note: This web-enhanced course requires completion of selected online assignments.

BI130 - Forensic Biology (4)
1539 BI130-ONL1 15-week

BI140 - Biotechnology and Society (3)
1540 BI140-ONL1 13-week
Note: This web-enhanced course requires completion of selected online assignments.

BI202 - Human Ecology (3)
1543 BI202-ONL1 13-week
Note: This web-enhanced course requires completion of selected online assignments.

BPM: Bioprocessing Technology

BPM102 - Bioprocessing Environment (3)
1548 BPM102-ONL1 15-week

BU: Business Studies

BU103 - Introduction to Business (3)
1643 BU103-ONL1 15-week \$
1644 BU103-ONL2 1st 7-week \$

BU109 - Entrepreneurship & Small Business Enterprise (3)
1647 BU109-ONL1 2nd 7-week \$

BU110 - Personal Financial Management (3)
1648 BU110-ONL1 15-week \$

BU211 - Business Law I (3)
1651 BU211-ONL1 15-week \$

BU221 - Public Relations (3)
2269 BU221-ONL1 15-week \$

BU223 - Human Resource Management (3)
1652 BU223-ONL1 15-week \$

BU225 - Marketing (3)
2267 BU225-ONL1 15-week \$

BU227 - Principles of Management (3)
1655 BU227-ONL1 15-week \$

BU273 - Business Communications (3)
1658 BU273-ONL1 15-week \$

BU281 - Global Awareness in the Work Environment (3)
1660 BU281-ONL1 15-week \$

BU/MA: Business/Mathematics

BU/MA205 - Business Statistics (3)
1942 BU/MA205-ONL1 15-week

CH: Chemistry

CH101 - General Chemistry (4)
1578 CH101-ONL1 15-week

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)
1679 CIS101-ONL1 1st 10-week \$
2321 CIS101-ONL2 1st 7-week \$
1680 CIS101-ONL3 13-week \$
2183 CIS101-ONL4 2nd 10-week \$
1681 CIS101-ONL5 2nd 7-week \$

CIS106 - Object Design and Programming (3)
1988 CIS106-ONL1 13-week

CIS111E - Microcomputer Software Applications: Spreadsheets (3)
1691 CIS111E-ONL1 13-week

CIS111L - UNIX/Linux Operating System (3)
1918 CIS111L-ONL1 2nd 10-week

CIS111M - PC Operating Systems (3)
1696 CIS111M-ONLK 13-week
Note: Students must also register for CIS212-ONLK.

CIS111R - Business Software Applications (3)
1697 CIS111R-ONL1 2nd 10-week

CIS117 - Data Science Essentials (3)
2244 CIS117-ONL1 2nd 7-week

CIS118 - Data Analytics Using Spreadsheets (3)
2245 CIS118-ONL1 2nd 10-week

CIS170 - Security Fundamentals (3)

1701 CIS170-ONL1 2nd 7-week

CIS173 - Healthcare Information Technology (3)

1994 CIS173-ONL1 2nd 7-week

CIS179 - Cybersecurity Fundamentals (3)

1706 CIS179-ONL1 2nd 10-week

CIS180 - Networking Fundamentals (3)

1709 CIS180-ONL1 1st 7-week

CIS190 - Cisco 1 Network Fundamentals (3)

1710 CIS190-ONL1 1st 7-week

CIS191 - Cisco 2 Routing Technologies (3)

1711 CIS191-ONL1 2nd 7-week

CIS200 - IT Support Services (3)

1921 CIS200-ONL1 2nd 7-week

CIS203 - Systems Analysis & Design (3)

1922 CIS203-ONL1 2nd 10-week

CIS204 - Computer & Information Sciences Project (3)

1718 CIS204-ONL1 2nd 10-week

CIS212 - PC Repair & Diagnostics (3)

1722 CIS212-ONLK 13-week

*Note: Students must also register for CIS111M-ONLK.***CIS217 - Cybercrime and Digital Forensics Investigation (3)**

1723 CIS217-ONL1 2nd 10-week

CIS218 - Information Security & Assurance (3)

2324 CIS218-ONL1 2nd 10-week

CIS219 - Ethical Hacking and Systems Defense (3)

1727 CIS219-ONL1 2nd 10-week

CIS223 - Cloud Security (3)

1923 CIS223-ONL1 2nd 10-week

CJ: Criminal Justice**CJ101 - Introduction to Criminal Justice (3)**

2240 CJ101-ONL1 13-week

CMM: Communications Media**CMM101 - Introduction to Electronic Media (3)**

1136 CMM101-ONL1 15-week

CMM103 - Introduction to Film (3)

1140 CMM103-ONL1 15-week

1141 CMM103-ONL2 2nd 8-week

CMSP: Communications Speech**CMSP103 - Speech Fundamentals (3)**

1167 CMSP103-ONL1 15-week \$

*Note: Four mandatory on-campus meetings: Wednesdays, 6 p.m.-8 p.m. on 9/6, 10/4, 11/1, and 11/29***CMSP107 - Career Communication (3)**

1186 CMSP107-ONL1 15-week

*Note: Mandatory on-campus session: Saturday, 10/28/17 at 8:30 a.m.-12:30 p.m.***CON: Construction Management****CON101 - Construction Management (3)**

1731 CON101-ONL1 15-week

EC: Economics**EC201 - Principles of Economics (3)**

1743 EC201-ONL1 15-week \$

EC202 - Principles of Economics (3)

1748 EC202-ONL1 15-week \$

ECD: Early Childhood Development**ECD101 - Introduction to Early Childhood Education (3)**

1787 ECD101-ONL1 15-week

ECD106 - Infants & Toddlers Development and Care (3)

1790 ECD106-ONL1 2nd 8-week

ECD107 - Child Health, Safety and Nutrition (3)

2312 ECD107-ONL1 15-week

ECD108 - Activities for the School-Age Child (3)

2108 ECD108-ONL1 1st 7-week

ED: Education**ED100 - Child Development & Behavior (3)**

1801 ED100-ONL1 15-week

ED102 - Schools and Society (3)

1795 ED102-ONL1 15-week

ED202 - Educational Psychology (3)

1796 ED202-ONL1 15-week

ED203 - Foundations of Special Education (3)

1798 ED203-ONL1 15-week

ED214 - Processes and Acquisition of Reading (3)

1800 ED214-ONL1 15-week \$

ED/PS: Education/Psychology**ED/PS208 - Human Growth and Development (3)**

1808 ED/PS208-ONL1 13-week \$

2243 ED/PS208-ONL2 15-week \$

1809 ED/PS208-ONL3 2nd 8-week \$

EM: Emergency Management**EM101 - Disaster, Crisis and Emergency Management (3)**

1893 EM101-ONL1 15-week

EM104 - Disaster Response and Recovery (3)

2106 EM104-ONL1 15-week

EM111 - Preparing and Securing the Homeland (3)

1891 EM111-ONL1 15-week

EM130 - Integrated Emergency Management (3)

2019 EM130-ONL1 15-week

EM201 - Public Safety GIS and Technology (3)

2020 EM201-ONL1 15-week

EN: English**EN101 - English Composition (3)**

1403 EN101-ONL1 15-week

1404 EN101-ONL2 15-week

1405 EN101-ONL3 1st 8-week \$

1406 EN101-ONL4 2nd 8-week

2179 EN101-ONL5 2nd 8-week

EN102 - English Composition and Literature (3)

1436	EN102-ONL1	15-week
1437	EN102-ONL2	15-week
1438	EN102-ONL3	1st 8-week
1434	EN102-ONL4	2nd 8-week

EN216 - The Short Story (3)

1919	EN216-ONL1	15-week
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EN219 - Technical Writing (3)

1439	EN219-ONL1	15-week
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EN231 - English Language Studies (3)

1446	EN231-ONLC	15-week
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EN231H - English Language Studies (3)

1447	EN231H-ONLC	15-week
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GG: Geography

GG101 - Elements of Geography (3)

1812	GG101-ONL1	13-week
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GG102 - Cultural Geography (3)

1814	GG102-ONL1	13-week
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HE: Health Education

HE102 - Nutrition in a Changing World (3)

1007	HE102-ONL1	15-week
1008	HE102-ONL2	15-week
1009	HE102-ONL3	1st 8-week
1010	HE102-ONL4	2nd 8-week

HE110 - Nutrition Basics (1)

1012	HE110-ONL1	1st 7-week
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HE201 - Stress Management (3)

1020	HE201-ONL1	15-week
1021	HE201-ONL2	15-week

HE204 - Health Education (3)

1026	HE204-ONL1	15-week
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HI: History

HI101 - History of Western Civilization (3)

1818	HI101-ONL1	13-week
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HI201 - History of the United States (3)

1823	HI201-ONL1	15-week	\$
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HI202 - History of the United States (3)

1826	HI202-ONL1	15-week
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HOS: Hospitality Culinary Tourism

HOS121 - Sanitation and Food Safety (1)

1963	HOS121-ONL1	1st 5-week
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HS: Human Services

HS102 - Human Relations (3)

1837	HS102-ONL1	15-week
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HS205 - Fundamentals of Addictions (3)

2248	HS205-ONL1	15-week
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LA: Paralegal

LA103 - Ethics for the Legal Professional (3)

1930	LA103-ONL1	15-week
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LA104 - Contracts (3)

1932	LA104-ONL1	15-week
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LA105 - Torts (3)

2360	LA105-ONL1	15-week
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LA106 - Technology for the Legal Profession (3)

1933	LA106-ONL1	2nd 7-week
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LF: French

LF101 - Introductory French I (3)

1189	LF101-ONL1	15-week	\$
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Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LS: Spanish

LS101 - Introductory Spanish I (3)

1197	LS101-ONL1	15-week
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Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LS102 - Introductory Spanish II (3)

2103	LS102-ONL1	15-week
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MA: Mathematics

MA83 - Educator Preparation in Mathematics (0) [2]

2130	MA83-ONL1	15-week
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MA103 - Foundations of Mathematics (3)

1292	MA103-ONL1	15-week	\$
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MA111 - Precalculus (4)

1305	MA111-ONL1	15-week
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MA130 - College Algebra (3)

2172	MA130-ONL1	15-week
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MA201 - Applied Calculus (3)

1946	MA201-ONL1	15-week	\$
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MA206 - Statistics (3)

1328	MA206-ONL1	15-week	\$
2067	MA206-ONL2	15-week	

MA210 - Calculus I (4)

1343	MA210-ONL1	15-week
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MA214 - Introduction to MATLAB (1)

1349	MA214-ONL1	1st 8-week	\$
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MDA: Medical Assisting

MDA108 - Basic Medical Terminology (1)

1756	MDA108-ONL1	1st 7-week
2037	MDA108-ONL2	2nd 7-week

MDA109 - Medical Terminology (3)

1760	MDA109-ONL1	15-week
1761	MDA109-ONL2	2nd 7-week

MDA110 - Pharmacology for Medical Office Practice (3)

1763	MDA110-ONL1	15-week
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MDA112 - Medical/Administrative Office Applications (3)

1765	MDA112-ONL1	1st 7-week
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MDA218 - Health Insurance Billing and Reimbursement (3)

1770	MDA218-ONL1	2nd 7-week
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MDA220 - Electronic Health Records (3)

1772	MDA220-ONL1	1st 7-week
1773	MDA220-ONL2	2nd 7-week

MDA222 - Introduction to Federal Healthcare Programs and Laws (3)

1774	MDA222-ONL1	15-week
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MU: Music

MU101 - Introduction to Music History and Appreciation (3)

1202 MU101-ONL1 15-week

MU103 - Fundamentals of Music (3)

1213 MU103-ONL1 2nd 8-week

MU109 - History of American Popular Music (3)

1214 MU109-ONL1 15-week

PC: Physical Science

PC103 - Survey of Physical Science (3)

1595 PC103-ONL1 15-week

PC104 - The Water Planet: Introduction to Oceanography (3)

1596 PC104-ONL1 15-week

2339 PC104-ONL2 2nd 8-week

PC106 - Introduction to Meteorology (4)

1598 PC106-ONL1 15-week

PC115 - Introduction to Earth Systems Science (4)

1609 PC115-ONL1 15-week

PE: Physical Education

PE237 - Exercise Psychology (1)

1056 PE237-ONL1 2nd 7-week

PH: Philosophy

PH101 - Introduction to Philosophy (3)

1940 PH101-ONL1 2nd 8-week

PH204 - World Religions (3)

1269 PH204-ONL1 15-week



PH207 - Biomedical Ethics (3)

2351 PH207-ONL1 15-week

PH209 - Environmental Ethics (3)

2352 PH209-ONL1 15-week

PI: Political Science

PI104 - American Government: National (3)

1846 PI104-ONL1 15-week

PS: Psychology

PS101 - General Psychology (3)

1861 PS101-ONL1 15-week

1862 PS101-ONL2 15-week

1871 PS101-ONL3 2nd 8-week

PS104 - Issues of Drug/Alcohol Use (3)

1863 PS104-ONL1 13-week

PS202 - Social Psychology (3)

1866 PS202-ONL1 13-week

PS206 - Abnormal Psychology (3)

1869 PS206-ONL1 13-week

SO: Sociology

SO101 - Introduction to Sociology (3)

1882 SO101-ONL1 15-week

1883 SO101-ONL2 15-week

1890 SO101-ONL3 13-week

SO102 - Social Problems (3)

2313 SO102-ONL1 15-week

1886 SO102-ONL2 13-week

SO201 - Criminology (3)

1888 SO201-ONL1 15-week

SO210 - Ethnic Diversity (3)

1842 SO210-ONL1 15-week



At FCC, No/Low Cost Courses are courses in which textbook materials are available for less than \$40 for specific course sections. For certain no/low cost courses (e.g., science labs and art studio classes), textbook materials are available for less than \$40, but purchase of additional course materials and supplies may be required. No/low cost courses require regular access to the Internet as most of the resources are in a digital format.

2018

Hybrid Courses

Any section with the letters "HYB" indicates a hybrid course.

See complete course descriptions and prerequisites and/or corequisites in the main course section of this schedule.

Note: All course sections require access to Blackboard at <https://frederick.blackboard.com>. Students are expected to be able to access Blackboard via the internet using personal, public, or available college computers. Online course work will be required for some web-enhanced classes. Consult the instructor regarding expectations for participation. Course websites may host learning resources including required reading and assessments. Blackboard access is also required to complete course evaluations. Google Chrome is the preferred browser. **Students will need to contact the Distributed Learning Office for permission to register in an online section after the second day of classes.**

ACCT: Accounting

ACCT101 - Principles of Accounting I (3)

1625	ACCT101-HYB1	Tu	6 p.m. - 8:35 p.m.	1st 7-week	\$
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ACCT102 - Principles of Accounting II (3)

1629	ACCT102-HYB1	Tu	6 p.m. - 8:35 p.m.	2nd 7-week	\$
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ACCT111 - Microcomputer Software Applications: Computerized Accounting (3)

1631	ACCT111-HYB1	M	7:45 p.m. - 9:15 p.m.	15-week	
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Note: Class meets on-campus 8/27 and 12/10

ACCT201 - Intermediate Accounting I (4)

1632	ACCT201-HYB1	M	5 p.m. - 7:05 p.m.	15-week	
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ACCT203 - Managerial Cost Accounting (3)

1633	ACCT203-HYB1	W	5 p.m. - 6:30 p.m.	15-week	
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Note: Class meets on-campus: 9/5, 9/12, 9/19, 10/24, 10/31, and 11/7

ACE: Academic and Career Engagement

ACE110 - Career Assessment and Planning (3)

2107	ACE110-HYB1	F	9:30 a.m. - 10:45 a.m.	15-week	
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ACE111A - Choosing a Major or Career (1)

2295	ACE111A-HYB1	Tu	9:30 a.m. - 10:45 a.m.	1st 5-week	
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2296	ACE111A-HYB2	Tu	9:30 a.m. - 10:45 a.m.	2nd 5-week	
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ASLS: American Sign Language Studies

ASLS106 - Introduction to Deaf Community and History (3)

2121	ASLS106-HYB1	Tu	5:30 p.m. - 6:45 p.m.	15-week	
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BI: Biological Science

BI100 - Fundamental Concepts of Biology (4)

1471	BI100-HYBC		Online	15-week	
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1472	BI100-HYBB	F	9:30-12 p.m.	15-week	
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Note: Student must register for corresponding lecture (LC) and lab (LB).

BI103 - Anatomy and Physiology (4)

1501	BI103-HYBC		Online	15-week	
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1502	BI103-HYBB	W	12:30-3 p.m.	15-week	
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Note: Student must register for corresponding lecture (LC) and lab (LB).

BI104- Anatomy and Physiology (4)

1511	BI104-HYBC		Online	15-week	
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1512	BI104-HYBB	Tu	12:30-3 p.m.	15-week	
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Note: Student must register for corresponding lecture (LC) and lab (LB).

BI220 - Cell Biology and Tissue Culture (4)

1546	BI220-HYBC		Online	15-week	
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1547	BI220-HYBB	Tu	5 - 7:30 p.m.	15-week	
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Note: Students must register for corresponding lecture (LC) and lab (LB).

BLD: Building Trades

BLD109 - Fundamentals of HVACR (4)

1366	BLD109-HYB1	MW	6 p.m. - 9 p.m.	1st 7-week	
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Note: Class held at the FCC Monroe Center. Building Trades fee per class: \$71.40

BLD110 - Controls for HVACR (3)

1367	BLD110-HYB1	MW	6 p.m. - 8:30 p.m.	2nd 7-week	
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Note: Class held at the FCC Monroe Center. Building Trades fee per class: \$71.40

BLD113 - HVAC Installation & Troubleshooting (3)

1948	BLD113-HYB1	TuTh	6 p.m. - 8:30 p.m.	1st 7-week	
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Note: Class held at the FCC Monroe Center. Building Trades fee per class: \$71.40

BLD114 - Fossil Fuels & Hydronic Heating (3)

1368	BLD114-HYB1	TuTh	6 p.m. - 8:30 p.m.	2nd 7-week	
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Note: Class held at the FCC Monroe Center. Building Trades fee per class: \$71.40

BLD141 - Fundamentals of Structural Wiring (4)

1370	BLD141-HYB1	TuTh	6 p.m. - 9 p.m.	1st 7-week	
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Note: Class held at the FCC Monroe Center. Building Trades fee per class: \$71.40

BLD142 - Residential Electric (3)

1371	BLD142-HYB1	TuTh	6 p.m. - 8:30 p.m.	2nd 7-week	
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Note: Class held at the FCC Monroe Center. Building Trades fee per class: \$71.40

BLD145 - Commercial Electric (3)

2017	BLD145-HYB1	MW	6 p.m. - 8:30 p.m.	1st 7-week	
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Note: Class held at the FCC Monroe Center. Building Trades fee per class: \$71.40

BLD146 - Specialized Systems (3)

2018	BLD146-HYB1	MW	6 p.m. - 8:30 p.m.	2nd 7-week	
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Note: Class held at the FCC Monroe Center. Building Trades fee per class: \$71.40

BU: Business Studies

BU103 - Introduction to Business (3)

1635	BU103-HYB1	M	9:30 a.m. - 11:15 a.m.	15-week	\$
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1641	BU103-HYB2	M	2 p.m. - 3:15 p.m.	15-week	\$
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1636	BU103-HYB3	W	9:30 a.m. - 11:15 a.m.	15-week	\$
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1645	BU103-HYB4	SAT	9 a.m. - 11:35 a.m.	2nd 7-week Saturday	
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1642	BU103-HYB5	Tu	6 p.m. - 9 p.m.	1st 7-week	
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BU109 - Entrepreneurship & Small Business Enterprise (3)

1646	BU109-HYB1	Th	6 p.m. - 9 p.m.	1st 7-week	\$
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BU211 - Business Law I (3)

1650	BU211-HYB1	Th	6 p.m. - 8:35 p.m.	2nd 7-week	\$
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BU227 - Principles of Management (3)

1654	BU227-HYB1	M	6 p.m. - 9 p.m.	1st 7-week	\$
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BU273 - Business Communications (3)

1657	BU273-HYB1	Th	11 a.m. - 12:15 p.m.	15-week	\$
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BU281 - Global Awareness in the Work Environment (3)

1659	BU281-HYB1	Tu	12:30 p.m. - 1:45 p.m.	15-week	\$
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CAD: Computer Aided Design

CAD101 - Introduction to AutoCAD I (3)

1662	CAD101-HYB1	Th	5 p.m. - 8 p.m.	1st 7-week	
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CAD102 - Introduction to AutoCAD II (3)

1663	CAD102-HYB1	Tu	5 p.m. - 8 p.m.	2nd 7-week	
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CAD130 - Introduction to Revit (BIM) (3)

2270	CAD130-HYB1	Th	5 p.m. - 8 p.m.	2nd 7-week	
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CAD200 - Introduction to Architectural Drawing and Design (3)

1664	CAD200-HYB1	W	5 p.m. - 8 p.m.	1st 7-week	
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CAD201 - Residential Architecture I (4)

2005	CAD201-HYB1	W	5 p.m. - 8:45 p.m.	1st 7-week
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CAD202 - Residential Architecture II (4)

2272	CAD202-HYB1	W	5 p.m. - 8:45 p.m.	2nd 7-week
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CIS: Computer and Information Sciences**CIS101 - Information Systems and Technology (3)**

1665	CIS101-HYB1	MW	8 a.m. - 9:15 a.m.	13-week	\$
1668	CIS101-HYB2	MW	9:30 a.m. - 10:45 a.m.	13-week	\$
1666	CIS101-HYB3	MW	11 a.m. - 12:15 p.m.	13-week	\$
1667	CIS101-HYB4	MW	12:30 p.m. - 1:45 p.m.	13-week	\$
1669	CIS101-HYB5	W	2 p.m. - 3:15 p.m.	2nd 10-week	\$
1670	CIS101-HYB6	TuTh	8 a.m. - 9:15 a.m.	13-week	\$
1671	CIS101-HYB7	TuTh	9:30 a.m. - 10:45 a.m.	13-week	\$
1672	CIS101-HYB8	TuTh	11 a.m. - 12:15 p.m.	13-week	\$
1673	CIS101-HYB9	TuTh	12:30 p.m. - 1:45 p.m.	13-week	\$
1674	CIS101-HY10	TuTh	2 p.m. - 3:15 p.m.	13-week	\$
1675	CIS101-HY11	F	10 a.m. - 11:55 a.m.	2nd 8-week	\$
1678	CIS101-HY12	M	6:30 p.m. - 8:30 p.m.	2nd 10-week	\$
1677	CIS101-HY13	Tu	6:30 p.m. - 8:30 p.m.	2nd 10-week	\$
1676	CIS101-HY14	W	5:30 p.m. - 7 p.m.	13-week	\$

CIS106 - Object Design and Programming (3)

1682	CIS106-HYB1	MW	9:30 a.m. - 10:45 a.m.	13-week
1683	CIS106-HYB2	MW	11 a.m. - 12:15 p.m.	13-week
1684	CIS106-HYB3	MW	12:30 p.m. - 1:45 p.m.	13-week
1688	CIS106-HYB4	MW	2 p.m. - 3:15 p.m.	13-week
1685	CIS106-HYB5	TuTh	9:30 a.m. - 10:45 a.m.	13-week
1686	CIS106-HYB6	TuTh	11 a.m. - 12:15 p.m.	13-week
1687	CIS106-HYB7	TuTh	12:30 p.m. - 1:45 p.m.	13-week
2118	CIS106-HYB8	F	9:30 a.m. - 11:55 a.m.	2nd 10-week
1689	CIS106-HYB9	M	5 p.m. - 6:30 p.m.	13-week
2072	CIS106-HY10	Tu	7 p.m. - 9 p.m.	2nd 10-week
1968	CIS106-HY11	Th	6:45 p.m. - 8:30 p.m.	13-week

CIS107 - Introduction to Programming (2)

2124	CIS107-HYB1	Tu	2 p.m. - 3:30 p.m.	2nd 8-week
2123	CIS107-HYB2	M	6:45 p.m. - 8:15 p.m.	2nd 7-week

CIS111E - Microcomputer Software Applications: Spreadsheets (3)

1690	CIS111E-HYB1	M	5 p.m. - 6:15 p.m.	2nd 10-week
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CIS111L - UNIX/Linux Operating System (3)

1692	CIS111L-HYB1	W	5:30 p.m. - 7 p.m.	13-week
2140	CIS111L-HYB2	W	7:15 p.m. - 8:45 p.m.	13-week

CIS111M - PC Operating Systems (3)

1693	CIS111M-HYL1	M	2:30 p.m. - 3:45 p.m.	13-week
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Note: Students must also register for CIS212-HYL1.

2114	CIS111M-HYL2	W	9:30 a.m. - 10:45 a.m.	13-week
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Note: Students must also register for CIS212-HYL2.

1694	CIS111M-HYL3	Tu	5 p.m. - 6:15 p.m.	13-week
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Note: Students must also register for CIS212-HYL3.

1695	CIS111M-HYL4	Th	5:15 p.m. - 6:30 p.m.	13-week
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CIS119 - Statistical Analysis System (SAS) (3)

2247	CIS119-HYB1	W	5:30 p.m. - 7 p.m.	2nd 10-week
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CIS140 - Java Programming (3)

1698	CIS140-HYB1	Th	5 p.m. - 6:30 p.m.	13-week
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CIS170 - Security Fundamentals (3)

1699	CIS170-HYB1	W	9:30 a.m. - 11:55 a.m.	2nd 7-week
1700	CIS170-HYB2	Tu	6:30 p.m. - 9 p.m.	2nd 8-week

CIS175 - Game Theory and Design (3)

1702	CIS175-HYB1	Tu	5:30 p.m. - 6:45 p.m.	1st 5-week
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CIS176 - Game Creation (3)

1703	CIS176-HYB1	Tu	5:30 p.m. - 6:45 p.m.	2nd 10-week
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CIS177 - Interactive 3D Technology (3)

1704	CIS177-HYB1	Tu	2 p.m. - 4:30 p.m.	1st 7-week
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CIS178 - 3D Modeling and Animation (3)

1705	CIS178-HYB1	Tu	2 p.m. - 4:30 p.m.	2nd 8-week
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CIS179 - Cybersecurity Fundamentals (3)

1920	CIS179-HYB1	W	12:30 p.m. - 1:45 p.m.	2nd 10-week
1995	CIS179-HYB2	M	5:15 p.m. - 6:45 p.m.	13-week

CIS180 - Networking Fundamentals (3)

1707	CIS180-HYB1	W	9:30 a.m. - 11:55 a.m.	1st 7-week
1708	CIS180-HYB2	Tu	6:30 p.m. - 9 p.m.	1st 7-week

CIS192 - Cisco 3 Switching Technologies (3)

1712	CIS192-HYB1	M	5 p.m. - 7:30 p.m.	1st 7-week
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CIS193 - Cisco 4 WAN Technologies (3)

1713	CIS193-HYB1	M	5 p.m. - 7:30 p.m.	2nd 7-week
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CIS201 - Computer Science I (4)

1715	CIS201-HYB1	M	3 p.m. - 5 p.m.	13-week
1714	CIS201-HYB2	W	5 p.m. - 7 p.m.	13-week

CIS202 - Computer Science II (4)

1716	CIS202-HYB1	W	5 p.m. - 7 p.m.	13-week
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CIS203 - Systems Analysis & Design (3)

1717	CIS203-HYB1	W	2 p.m. - 3:15 p.m.	13-week
2138	CIS203-HYB2	M	5:15 p.m. - 6:30 p.m.	13-week

CIS208 - C++ Programming (3)

2001	CIS208-HYB1	Th	6:45 p.m. - 9 p.m.	2nd 10-week
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CIS212 - PC Repair & Diagnostics (3)

1719	CIS212-HYL1	M	3:45 p.m. - 5 p.m.	13-week
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Note: Students must also register for CIS111M-HYL1.

2116	CIS212-HYL2	W	10:45 a.m. - 11:55 a.m.	13-week
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Note: Students must also register for CIS111M-HYL2.

1720	CIS212-HYL3	Tu	6:15 p.m. - 7:30 p.m.	13-week
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Note: Students must also register for CIS111M-HYL3.

1721	CIS212-HYL4	Th	6:30 p.m. - 7:45 p.m.	13-week
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*Note: Students must also register for CIS111M-HYL4.***CIS217 - Cybercrime and Digital Forensics Investigation (3)**

1724	CIS217-HYB1	Th	5 p.m. - 6:15 p.m.	13-week
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CIS218 - Information Security & Assurance (3)

1725	CIS218-HYB1	Th	6:30 p.m. - 7:45 p.m.	13-week
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CIS219 - Ethical Hacking and Systems Defense (3)

1726	CIS219-HYB1	Th	8 p.m. - 9:15 p.m.	13-week
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CIS222 - Computer Organization (4)

1728	CIS222-HYB1	W	7:15 p.m. - 8:45 p.m.	2nd 10-week
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CIS223 - Cloud Security (3)

1729	CIS223-HYB1	M	7 p.m. - 8:45 p.m.	2nd 10-week
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CIS225C - Computer Programming Language: Mobile Applet Programming (3)

1924	CIS225C-HYB1	M	7 p.m. - 8:45 p.m.	2nd 10-week
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CIS227 - Game Programming (4)

1730	CIS227-HYB1	Tu	7:15 p.m. - 8:45 p.m.	13-week
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CIS228 - Simulation and Game Development (4)

2252	CIS228-HYB1	Tu	5 p.m. - 7 p.m.	13-week
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CIS230 - Database Management Systems (3)

1951	CIS230-HYB1	Th	5 p.m. - 6:30 p.m.	2nd 10-week
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CIS256 - Statistical Computing (3)

2253	CIS256-HYB1	W	7:15 p.m. - 8:45 p.m.	2nd 10-week
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CIS257 - Data Visualization (3)

2255	CIS257-HYB1	Th	6:45 p.m. - 8:30 p.m.	2nd 10-week
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CMSP: Communications Speech**CMSP105 - Small Group Communication (3)**

2277	CMSP105-HYB1	TuTh	7:30 p.m. - 10 p.m.	2nd 7-week
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EC: Economics

EC201 - Principles of Economics (3)

1736	EC201-HYB1	W	2 p.m. - 3:15 p.m.	15-week	\$
1740	EC201-HYB2	SAT	9 a.m. - 11:35 a.m.	1st 7-week Saturday	\$
1741	EC201-HYB3	M	6 p.m. - 9 p.m.	1st 7-week	\$
1742	EC201-HYB4	Tu	6 p.m. - 9 p.m.	2nd 7-week	\$

EC202 - Principles of Economics (3)

2340	EC202-HYB1	SAT	9 a.m. - 11:30 a.m.	2nd 7-week Saturday	\$
1747	EC202-HYB2	M	6 p.m. - 8:30 p.m.	2nd 7-week	\$

ECD: Early Childhood Development

ECD104 - Activities I for Children (3)

1789	ECD104-HYB1	M	6 p.m. - 8:30 p.m.	1st 7-week	
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EM: Emergency Management

EM297 - Emergency Management Capstone (3)

2309	EM297-HYB1	M	5 p.m. - 7:30 p.m.	15-week	
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EN: English

EN101 - English Composition (3)

2236	EN101-HYB1	Tu	6 p.m. - 7:15 p.m.	15-week	\$
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EN102 - English Composition and Literature (3)

2342	EN102-HYB1	M	7:30 p.m. - 8:45 p.m.	15-week	
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HE: Health Education

HE201 - Stress Management (3)

2341	HE201-HYB1	Tu	7:30 p.m. - 8:50 p.m.	1st 8-week	
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HOS: Hospitality Culinary Tourism

HOS110 - Introduction to Hospitality Management (3)

1749	HOS110-HYB1	W	6 p.m. - 8:40 p.m.	1st 7-week	
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Note: Class held at the FCC Monroe Center

HOS123 - Purchasing & Cost Control (3)

2013	HOS123-HYB1	W	6 p.m. - 8:40 p.m.	2nd 7-week	
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Note: Class held at the FCC Monroe Center

HOS161 - Event Management (3)

2014	HOS161-HYB1	M	6 p.m. - 8:40 p.m.	1st 7-week	
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Note: Class held at the FCC Monroe Center

HOS163 - Hospitality Operations (3)

2022	HOS163-HYB1	Tu	6 p.m. - 8:40 p.m.	1st 7-week	
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HOS216 - Food and Beverage Operations (3)

2063	HOS216-HYB1	M	6 p.m. - 8:40 p.m.	2nd 7-week	
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Note: Class held at the FCC Monroe Center

HOS261 - Applied Hospitality Management (3)

2264	HOS261-HYB1	Tu	6 p.m. - 8:40 p.m.	2nd 7-week	
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Note: Class held at the FCC Monroe Center

HS: Human Services

HS204 - Ethics and Practice Issues in the Human Services and Addiction Counseling (3)

1841	HS204-HYB1	F	1:30 p.m. - 3:30 p.m.	15-week	
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HU: Humanities

HU104 - Introduction to Digital Humanities (3)

2032	HU104-HYB1	M	12:30 p.m. - 1:45 p.m.	15-week	\$
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HU105 - Cultural Studies: Latin America (3)

2331	HU105-HYB1	W	12:30 p.m. - 1:45 p.m.	15-week	\$
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HU107 - Cultural Studies: Asia (3)

2332	HU107-HYB1	W	11 a.m. - 1:30 p.m.	15-week	
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LA: Paralegal

LA100 - Introduction to Law (3)

1843	LA100-HYB1	SAT	9 a.m. - 1:15 p.m.	1st 7-week Saturday	
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LA200 - Legal Research (3)

1934	LA200-HYB1	W	6 p.m. - 9 p.m.	15-week	
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LA205 - Legal Writing (3)

2004	LA205-HYB1	M	6 p.m. - 9 p.m.	1st 7-week	
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LA220 - Civil Litigation (3)

2131	LA220-HYB1	SAT	9 a.m. - 1:15 p.m.	2nd 7-week Saturday	
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LA240 - Family Law (3)

2362	LA240-HYB1	Tu	6 p.m. - 9 p.m.	2nd 10-week	
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MA: Mathematics

MA206 - Statistics (3)

1983	MA206-HYB1	TuTh	12:30 p.m. - 1:45 p.m.	1st 8-week	
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MA206A - Statistics (3)

1329	MA206A-HYB1	MW	8 a.m. - 9:15 a.m.	15-week	\$
2175	MA206A-HYB2	TuTh	8 a.m. - 9:15 a.m.	15-week	\$

MA207 - Statistics with Probability (4)

1338	MA207-HYB1	M	5 p.m. - 6:40 p.m.	15-week	
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MDA: Medical Assisting

MDA109 - Medical Terminology (3)

1757	MDA109-HYB1	Th	9:30 a.m. - 10:45 a.m.	15-week	
1758	MDA109-HYB2	Th	2 p.m. - 3:15 p.m.	15-week	
1759	MDA109-HYB3	Tu	6:30 p.m. - 9 p.m.	1st 7-week	

MDA110 - Pharmacology for Medical Office Practice (3)

1762	MDA110-HYB1	Th	11 a.m. - 1:30 p.m.	1st 7-week	
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MDA112 - Medical/Administrative Office Applications (3)

1764	MDA112-HYB1	W	6:30 p.m. - 8:30 p.m.	2nd 7-week	
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MDA115 - Phlebotomy Skills (3)

1766	MDA115-HYB1	W	1 p.m. - 4 p.m.	2nd 7-week	
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MDA218 - Health Insurance Billing and Reimbursement (3)

1771	MDA218-HYB1	W	6:30 p.m. - 9 p.m.	1st 7-week	
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NU: Nursing

NU105 - Pharmacology for Nurses (2)

1916	NU105-HYB1	W	9 a.m. - 11 a.m.	15-week	
1917	NU105-HYB2	W	12 p.m. - 2 p.m.	15-week	

PE: Physical Education

PE188 - Yoga (3)

2043	PE188-HYB1	W	6 p.m. - 8:35 p.m.	1st 7-week	
1049	PE188-HYB2	W	6 p.m. - 8:30 p.m.	2nd 7-week	

PS: Psychology

PS101 - General Psychology (3)

2314	PS101-HYB1	M	6 p.m. - 7:15 p.m.	1st 8-week	
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So: Sociology

SO101 - Introduction to Sociology (3)

2315	SO101-HYB1	M	6 p.m. - 7:15 p.m.	2nd 7-week	
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Campus Locations

FCC Main Campus

7932 Opossumtown Pike • Frederick, MD 21702

FCC classes are held on the main campus, at The Monroe Center, online, and offsite at various locations throughout the community and surrounding areas.

Campus Locations

A—Annapolis Hall

B—Braddock Hall

C—Catocin Hall

D—Athletics Center

E—Conference Center

F—Visual & Performing Arts Center

G—Gambrell Hall

H—Student Center

J—Jefferson Hall*

* Scheduled for renovations beginning Summer 2018, please refer to frederick.edu/JeffersonHall for current Jefferson Hall service locations and hours.

L—Linganore Hall

P—Plant Operations

S—Sweadner Hall

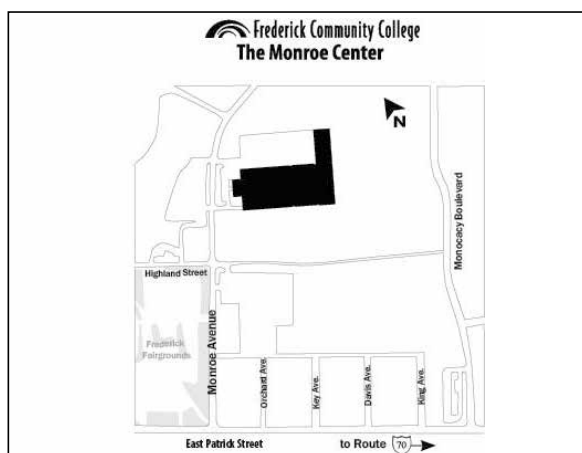
K—Mercer-Akre Kiln

The Monroe Center

200 Monroe Avenue • Frederick, MD 21701

240.629.7900

Visit frederick.edu for directions and hours of operation.



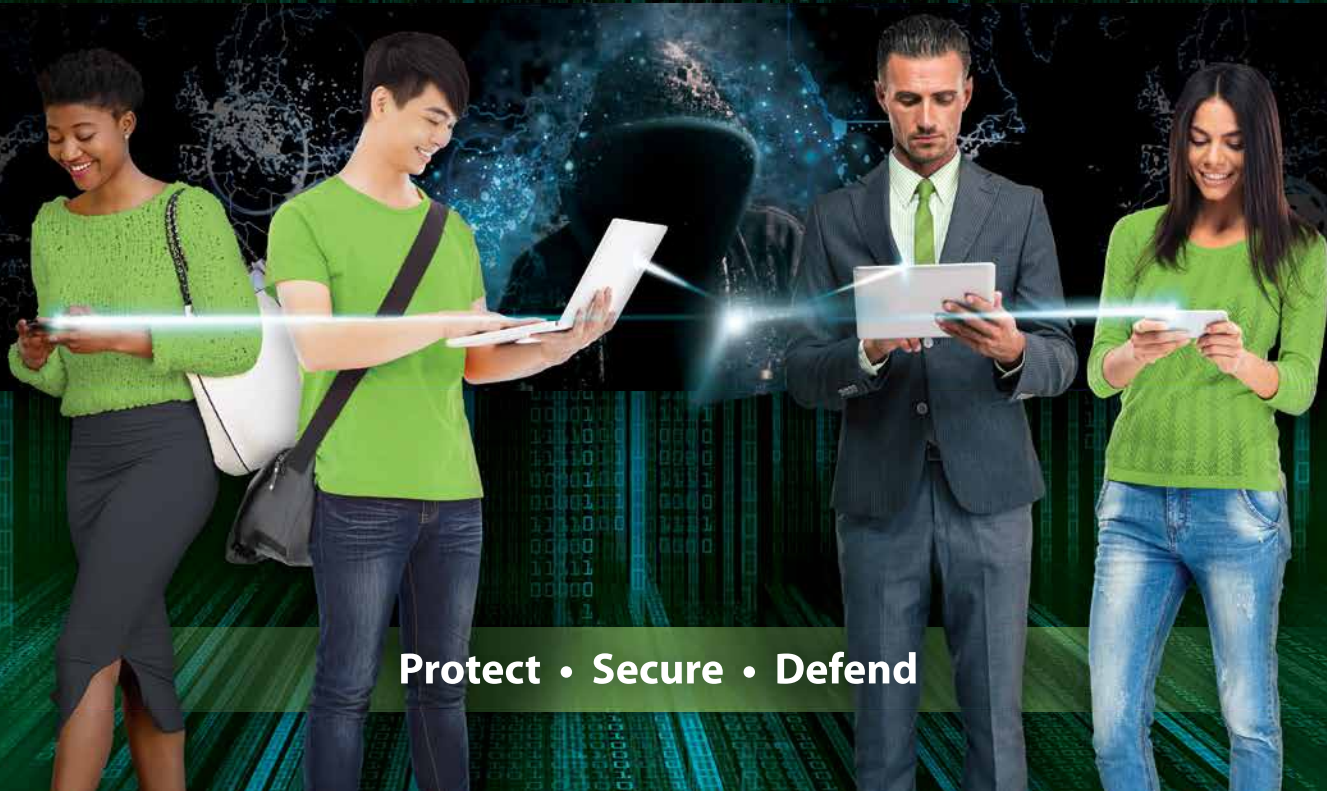


The Art Area of Concentration within the Associate of Arts (AA) in Arts and Sciences Transfer at Frederick Community College enables students to explore and develop areas of concentration, which may lead to an associate in arts degree, transfer to a four-year college program or to pursue individual artistic directions. Experience hands-on learning in art history, 2D design, drawing, acrylic, oil and watercolor painting, color theory, illustration, sculpture, and pottery. Develop your talents with experienced instructors who are professionals in their field.

Word Project: Little Things: FCC student Caitlin Duke, *Mix Media*



CYBERSECURITY



Protect • Secure • Defend